BUNNELL-LAMMONS ENGINEERING, INC.

GEOTECHNICAL, ENVIRONMENTAL AND CONSTRUCTION MATERIALS CONSULTANTS

REPORT OF GROUNDWATER ASSESSMENT: MONITORING WELL MW-23D

CLOSED FRANCIS FARM LANDFILL

HAYWOOD COUNTY, NORTH CAROLINA

PERMIT NUMBER 44-03

PREPARED FOR:

HAYWOOD COUNTY SOLID WASTE MANAGEMENT DEPARTMENT

CLYDE, NORTH CAROLINA

PREPARED BY:

BUNNELL-LAMMONS ENGINEERING, INC.

GREENVILLE, SOUTH CAROLINA

ASHEVILLE, NORTH CAROLINA

JUNE 30, 2014

BLE PROJECT NUMBER J13-1957-39

BUNNELL-LAMMONS ENGINEERING, INC.
GEOTECHNICAL, ENVIRONMENTAL AND CONSTRUCTION MATERIALS CONSULTANTS

June 30, 2014

North Carolina Department of Environment and Natural Resources
Division of Waste Management – Solid Waste Section
1646 Mail Service Center
Raleigh, NC 27699-1646

Attention: Ms. Elizabeth S. Werner
Hydrogeologist

Subject: Report of Groundwater Assessment: Monitoring Well MW-23D
Closed Francis Farm Landfill
Haywood County, North Carolina
BLE Project Number J13-1957-39
Permit Number 44-03

Dear Ms. Werner:

As authorized by Haywood County's acceptance of our Proposal Number P13-0179 dated August 20, 2013 and on behalf of Haywood County, Bunnell-Lammons Engineering, Inc. (BLE) has performed the required well installation services at the subject site. The purpose of the work was to install, sample, and prepare a report as part of a fourth phase of an approved assessment monitoring plan for the subject site. The enclosed report describes the work performed, documents the well installation as required, and provides recommendations for the next phase of the project.

BACKGROUND INFORMATION

The following project information was obtained from documents provided by Haywood County and from site data (in BLE's project records) from our current services proposal with Haywood County.

Haywood County owns and maintains the Francis Farm Landfill which is currently closed (Figure 1). McGill Associates, P.A. (McGill) has been retained by Haywood County to provide engineering services related to the post-closure care of the landfill. BLE has been retained by Haywood County (since 2007) to provide semi-annual statistical analysis and reporting services for groundwater and surface water sampling conducted by Pace Analytical Services, Inc. (Pace).

We understand that Municipal Engineering Services Company, PA [(MESCO), former consultant for Haywood County] submitted a *Groundwater Assessment Monitoring Plan* (dated August 11, 2004) to the North Carolina Division of Waste Management (DWM) on behalf of Haywood County. The DWM reviewed the plan and Mr. Larry Rose issued a letter (dated August 23, 2004) to Haywood County requesting additional information and a proposed schedule for implementation of the plan. Haywood County responded with a letter to the DWM on October 14, 2004 requesting additional time to "negotiate with the property owner of the adjacent property before we commit to a schedule." No further correspondence is present in the records until September 11, 2009 when the DWM issued a letter to Haywood County requesting a response and schedule (due by approximately November 16,

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2009).

Haywood County retained McGill to assist with the preparation of a letter responding to the DWM request. McGill subsequently retained BLE to evaluate the 2004 groundwater assessment plan and provide technical information to be used in future correspondence between Haywood County and the DWM.

As part of our assigned task, BLE issued a letter to McGill titled *Comments on the Proposed 2004 Groundwater Assessment Monitoring Plan, Closed Francis Farm Landfill* dated November 9, 2009 (BLE Project Number J09-1957-11). The letter stated that "Based on the limited data available in the MESCO plan we are unable to provide a technical rationale for the proposed well locations. We believe that some modification of the plan is necessary based on our evaluation of recently collected data." A date of December 31, 2009 was proposed as the due date for a submittal of a revised groundwater elevation contour map and proposed well location plan (with a proposed well depth table) to the DWM.

BLE submitted the aforementioned information to the DWM on December 30, 2009. The DWM subsequently issued a letter to Haywood County dated February 19, 2010 which conditionally approved the proposed well locations, depths, and assessment plan revisions. As part of the approval, the DWM requested that Haywood County prepare and submit a milestone schedule to the DWM for completion of the assessment.

Our Mr. Alexander, P.G. and Mr. Jeff Bishop, P.E. of McGill attended a meeting with Mr. David Cotton and Mr. Marty Stamey of Haywood County on February 23, 2010. Haywood County requested that we submit a proposal to McGill to prepare the milestone schedule letter and to install and sample ten (10) proposed groundwater monitoring wells designated MW-6 through MW-15. These activities are the initial phase of the required groundwater assessment (assessment monitoring program) for the subject site.

BLE prepared a proposal (BLE Proposal Number P09-0817, dated March 2, 2010) for the required work which was subsequently approved by McGill on behalf of Haywood County. As part of the work, BLE prepared a letter titled *Milestone Schedule for the Groundwater Assessment -- Closed Francis Farm Landfill* dated May 26, 2010. The schedule was subsequently approved by the DWM.

The approved schedule included the installation of the 10 wells (MW-6 through MW-15) in the summer of 2010 with sampling and analysis in February 2011. The subject services were performed and a data submittal of the findings was prepared and submitted to the DWM (*Groundwater Assessment Data Submittal* dated May 12, 2011) in accordance with the notification requirements of NCAC Title 15A 13B .1634 (g).

On June 10, 2011, BLE submitted a document to the DWM titled *Proposed Groundwater Sampling Matrix for August 2011* (BLE Project Number J10-1957-14). The document provided an evaluation of the laboratory data from the February 2011 sampling event and provided a recommended sampling matrix for the August 2011 groundwater sampling event. The matrix was subsequently approved by the DWM in a letter dated June 27, 2011 (Doc ID No. 14252).

BLE prepared and submitted a report to Haywood County titled *Report of Groundwater Assessment: Groundwater Monitoring Wells MW-6 through MW-15* dated July 20, 2011 (BLE Project Number J10-1957-14) to document the installation of the new wells and assessment results. The report

included a recommendation for the installation of six (6) additional groundwater monitoring wells to be designated MW-16 through MW-21. The DWM responded with a letter dated August 29, 2011 (Doc ID No. 15046) which approved the proposed well locations.

As part of the on-going groundwater assessment at the facility, Haywood County conducted a public meeting to discuss the status of the groundwater assessment and to identify property owners and residents near the landfill which have or had water supply wells on their properties. Several property owners were identified, six of which signed authorization forms that allowed Haywood County access to their wells for sampling. Water supply well sampling was conducted in August 2011. These activities were performed by Haywood County as a pro-active measure and are in compliance with the requirements of NCAC Title 15A 13B .1634 (g) and NCAC Title 15A 13B .1635 (c). The results were documented in a report titled *Report of Water Supply Well Sampling – August 2011* dated September 21, 2011 (BLE Project Number J11-1957-24). The results indicated that the release of volatile organic compounds from the landfill had not impacted the water supply wells which were tested.

On November 23, 2011 BLE submitted a document to the DWM titled *Proposed Groundwater Sampling Matrix for February 2012* (BLE Project Number J11-1957-24). The document provided an evaluation of the laboratory data from the August 2011 sampling event and provided a recommended sampling matrix for the February 2012 groundwater sampling event. The matrix was subsequently approved by the DWM in a letter dated December 5, 2011 (Doc ID No. 15707). The approved matrix included the entire monitoring well system including monitoring wells MW-16 through MW-21 which were installed in October 2011.

Monitoring wells MW-16 through MW-21 were installed in October of 2011 and were sampled as part of the approved sampling matrix in February and August of 2012. These tasks were the second phase of assessment at the facility. BLE prepared and submitted a report to Haywood County titled *Report of Groundwater Assessment: Groundwater Monitoring Wells MW-16 through MW-21* dated September 10, 2012 (BLE Project Number J11-1957-25) to document the installation of the new wells and assessment results. The report included a recommendation for the installation of eight (8) additional groundwater monitoring wells to be designated MW-14D, MW-16D, MW-19D, MW-20D, MW-22 through MW-25. The DWM responded with a letter dated September 21, 2012 (Doc ID No. 17288) which approved the proposed well locations and assessment plan.

Monitoring wells MW-14D, MW-16D, MW-19D, MW-20D, MW-22 through MW-25 were installed in December 2012 and were sampled as part of the approved sampling matrix in February 2013. These tasks were the third phase of assessment at the facility. BLE prepared and submitted a report to Haywood County titled *Report of Groundwater Assessment: Groundwater Monitoring Wells MW-14D, MW-16D, MW-19D, MW-20D, MW-22 through MW-25* dated July 10, 2013 (BLE Project Number J12-1957-34) to document the installation of the new wells and assessment results. The report included a recommendation for the installation of one (1) additional groundwater monitoring well to be designated MW-23D. The DWM responded with a letter dated August 15, 2013 (Doc ID No. 19536) which approved the proposed well location and assessment plan.

As part of the fourth phase of assessment, documented herein, one additional monitoring well MW-23D was installed in September/October 2013, and was sampled in February 2014. Additionally, the surface water monitoring locations for the subject site were relocated and sampled in accordance

with the approved assessment plan. This report describes the work performed, documents the well installation as required, and provides recommendations for the next phase of the project.

SCOPE OF SERVICES PERFORMED

The required tasks for this assessment included the installation, development, and sampling of one groundwater monitoring well. The well location was located via a hand-held GPS unit and/or by visually referencing existing landmarks prior to arrival of our drill crew.

Groundwater monitoring well installation was performed by North Carolina-licensed drillers retained by BLE (North Carolina Registration #3290-A) in general accordance with North Carolina Well Construction Standards Rule 15A NCAC 2C, .0113.

Groundwater Monitoring Well Installation, Development, and Survey

BLE mobilized an ATV-mounted CME-750 drill rig and truck-mounted Schramm drill rig to install monitoring well MW-23D via hollow stem auger and downhole air hammer from September 30, 2013 to October 1, 2013. The as-built well location is shown on Figure 2.

The actual well installation location and depth was dependent on site conditions and the well was drilled and installed in general accordance with the approved assessment plan. The well drilling and installation procedures are included in Appendices A and B. The well included a surface completion consisting of a 3 by 3 foot by 4-inch thick concrete pad with a lockable well cap and steel flush mount cover. North Carolina well construction record (Form GW-1) is included in Appendix C. A well log prepared by BLE is included in Appendix D and well construction data are summarized on Table 1. The groundwater levels on Table 1 were measured by Pace on February 19, 2014 as noted on the table.

BLE provided well development services for the newly installed monitoring well. The monitoring well was developed to remove fine particles from the sand pack around the well screen. The well development consisted of the following:

1. Place a pump or bailer in the monitoring well;
2. Purge the well; and
3. Intermittently surge the well with a surge block.

Groundwater turbidity was measured periodically during well development using a Hach 2100Q Portable Turbidity Meter, or equivalent. Well development logs are included in Appendix E.

The location and elevation of groundwater monitoring well MW-23D was surveyed by a North Carolina registered land surveyor provided by McGill under direct contract with Haywood County. The survey data was provided in digital format to BLE by McGill and was used to prepare Figure 2 and the well construction summary on Table 1.

Groundwater Sampling and Analysis

Haywood County is conducting an ongoing groundwater assessment at the subject site in compliance with the Assessment Monitoring Program rules. As part of the assessment, groundwater monitoring well MW-23D was installed at the site to supplement the previously existing thirty (30) groundwater monitoring wells (MW-1, MW-1A, MW-2A, MW-3A, MW-4 through MW-25, MW-14D, MW-16D, MW-19D, and MW-20D). These wells (except MW-1; which is typically dry) were sampled by Pace in February 2014 during a routine semi-annual groundwater monitoring event.

The wells were sampled in accordance with the approved matrix. The matrix includes the Appendix II volatile organic compounds by EPA Method 8260, the Appendix II total metals by EPA Methods 6010 and 7470, pesticides by EPA Method 8081, and cyanide by Standard Method SM 4500-CN-E. Groundwater levels were obtained (by Pace) from the new and previously existing monitoring wells and a potentiometric surface map was prepared by BLE (Figure 2). A well construction and water level summary table has been prepared by BLE (Table 1).

A summary of the February 2014 sampling data is shown on Tables 2 through 4. Please note that the summary tables also include the results from the February 2011 through the August 2013 event for reference. The proposed sampling matrix for August 2014 is included as Table 5. Our rationale for the proposed sampling matrix is discussed below. The laboratory analytical data for the February 2014 sampling event is included in Appendix F. The data is also summarized/displayed on Figures 3 & 4.

RESULTS, CONCLUSIONS, AND RECOMMENDATIONS

The compounds detected in the groundwater in February 2014 are similar to those detected in February 2011 through August 2013. Surface water sampling results from the 4 new sampling locations did not detect concentrations of VOCs, pesticides, cyanide, or mercury. Only concentrations of naturally occurring metals were detected in the surface water.

As stated in our report dated July 10, 2013, we have reevaluated the historical data to determine if adjustments should be made to the sampling matrix. Based on our review we have modified the matrix (Tables 5A and 5B) to eliminate sampling and analysis for parameters with a history of non-detects. Those changes include the elimination of mercury analysis for both groundwater and surface water. No other changes are recommended for the surface water matrix (Table 5B). Additional changes to the groundwater matrix include removal of pesticides from 20 of the wells and removal of cyanide analysis from 19 of the wells (Table 5A). The proposed modifications to the matrix are in general compliance with NCAC Title 15A 13B .1634 (b).

Plan for Assessment -- Groundwater

In summary, the results indicate that the extent of the plume has been significantly defined. Therefore, it appears that additional assessment will not be required to characterize the nature and extent of the release as required in NCAC Title 15A 13B .1634 (g)(1)(A).

The preliminary findings were discussed in a meeting between Mr. Stephen King and Mr. David Francis of Haywood County, Mr. Dave Pasko and Mr. Mark Cathey of McGill, and Andrew Alexander of BLE on April 24, 2014 at the Haywood County offices. Based on these data, Haywood County, McGill, and BLE have begun planning to meet the requirements for an Assessment of Corrective Measures (ACM) in accordance with NCAC Title 15A 13B .1635. The ACM will be initiated after receiving DWM approval of this report.

Plan for Assessment – Surface Water

The DWM approved a new surface water monitoring locations starting in August 2013. The locations are specified below.

Location ID	Upstream or Downstream	Surface Water	Property Owner
US-1	Upstream	Ratcliffe Cove Branch	Betty F. Lewis
DS-1	Downstream	Ratcliffe Cove Branch	Betty F. Lewis
DS-2	Downstream	Ratcliffe Cove Branch	Betty F. Lewis
DS-3	Downstream	Ratcliffe Cove Branch	Haywood County Schools

The surface water sampling locations should remain as specified above. We recommend that sampling and analysis should be performed in accordance with the matrix (Table 5B) starting in August 2014. Furthermore we recommend that the proposed surface water sampling plan be reevaluated after the data from the August 2014 becomes available.

CLOSING

We appreciate the opportunity to work with Haywood County, McGill, and the DWM on this project. We request that the DWM review and approve the status of the assessment of the extent of the plume, the revised sampling matrix, and authorize initiation of the ACM. If the DWM has any questions or comments, please contact us at (864) 288-1265.

Sincerely,
BUNNELL-LAMMONS ENGINEERING, INC.

Andrew W. Alexander, P.G., RSM
Senior Hydrogeologist
Registered, NC No. 1475

Mark S. Preddy, P.G.
Senior Hydrogeologist
Registered, NC No. 1043

cc: Mr. Stephen King – Haywood County
Mr. David Francis – Haywood County
Mr. Mark Cathey, P.E. – McGill Associates
Ms. Andrea Keller – NCDENR Asheville (CD Only)

Attachments: Tables 1 through 5
Figures 1 through 8
Appendices A through F

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TABLES

Table 1
Groundwater Monitoring Well Construction and Groundwater Elevation Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J13-1957-39

February 19, 2014																
Well	**Well Location**	**Northing (feet)**	**Easting (feet)**	**Meas. Pt. Elevation**	**Gnd. Surface Elevation**	***Depth to Water (bgs)**	**Depth to Water (bmp)**	**Water Elevation**	**Total Borehole Depth (bgs)**	**Screen Depth (bgs)**	**Screen Elevation**	**Well Type**	**Well Monitors**	**Top of Rock Depth (bgs)**	**Top of Rock Elev.**
MW-1	On-Site	662,529.13	822,317.14	2,666.59	2,663.72	>33.13	>36	<2630.59	UK	UK - UK	UK - UK	UK	UK	UK	UK
MW-1A	On-Site	662,590.73	822,083.15	2,690.88	2,687.97	41.98	44.89	2,645.99	UK	UK - UK	UK - UK	UK	UK	UK	UK
MW-2A	On-Site	662,347.08	822,814.69	2,643.78	2,640.98	20.00	22.80	2,620.98	27.0	12.0 - 27.0	2,629.0 - 2,614.0	II	PWR/BR	18.0	2,623.0
MW-3A	On-Site	661,921.62	823,026.22	2,674.29	2,671.59	33.10	35.80	2,638.49	UK	UK - UK	UK - UK	UK	UK	UK	UK
MW-4	On-Site	661,420.29	822,245.39	2,789.47	2,786.88	65.96	68.55	2,720.92	UK	UK - UK	UK - UK	UK	UK	UK	UK
MW-5	On-Site	661,286.31	822,167.91	2,797.08	2,797.37	71.71	71.42	2,725.66	94.0	73.1 - 88.1	2,724.3 - 2,709.3	II	PWR	89.0	2,708.4
Groundwater Monitoring Wells MW-6 through MW-25 Installed by BLE															
MW-6	Off-Site	662,941.12	822,167.78	2,612.63	2,613.03	6.07	5.67	2,606.96	12.5	2.3 - 12.3	2,610.7 - 2,600.7	II	Res/Collv	12.5	2,600.5
MW-7	Off-Site	662,800.72	822,584.39	2,621.33	2,621.48	6.43	6.28	2,615.05	24.0	4.0 - 19.0	2,617.5 - 2,602.5	II	Collv/Allv	NE	NE
MW-8	Off-Site	662,619.60	822,989.68	2,620.05	2,620.25	3.96	3.76	2,616.29	19.0	3.0 - 13.0	2,617.3 - 2,607.3	II	Alluvial	NE	NE
MW-9	Off-Site	662,309.84	823,295.25	2,618.67	2,619.19	1.89	1.37	2,617.30	19.0	2.0 - 12.0	2,617.2 - 2,607.2	II	Alluvial	NE	NE
MW-10	Off-Site	661,947.33	823,365.59	2,623.60	2,623.96	2.08	1.72	2,621.88	15.0	2.0 - 12.0	2,622.0 - 2,612.0	II	Alluvial	NE	NE
MW-11	On-Site	661,509.39	822,572.73	2,756.22	2,756.46	77.13	76.89	2,679.33	100.0	70.8 - 85.8	2,685.7 - 2,670.7	II	BR	71.0	2,685.5
MW-12	Off-Site	661,078.94	822,142.39	2,803.11	2,800.28	67.12	69.95	2,733.16	90.0	64.8 - 79.8	2,735.5 - 2,720.5	II	BR	64.0	2,736.3
MW-13	On-Site	661,377.43	821,791.88	2,799.14	2,799.51	81.59	81.22	2,717.92	127.0	74.0 - 89.0	2,725.5 - 2,710.5	II	PWR/BR	81.0	2,718.5
MW-14	On-Site	661,894.81	821,755.37	2,770.34	2,770.64	85.00	84.70	2,685.64	120.0	93.8 - 108.8	2,676.8 - 2,661.8	II	BR	33.0	2,737.6
MW-14D	On-Site	661,878.59	821,754.85	2,771.63	2,772.05	145.15	144.73	2,626.90	250.5	202.0 - 212.0	2,570.0 - 2,560.0	II	BR	41.0	2,731.0
MW-15	On-Site	662,338.59	821,896.86	2,719.57	2,716.89	79.14	81.82	2,637.75	163.0	75.8 - 90.8	2,641.1 - 2,626.1	II	BR	19.0	2,697.9
MW-16	Off-Site	661,203.62	821,457.75	2,716.16	2,716.29	52.82	52.69	2,663.47	70.0	54.8 - 69.8	2,661.5 - 2,646.5	II	PWR/BR	63.0	2,653.3
MW-16D	Off-Site	661,192.49	821,467.73	2,716.28	2,716.57	72.26	71.97	2,644.31	150.0	116.0 - 126.0	2,600.6 - 2,590.6	II	BR	81.0	2,635.6
MW-17	Off-Site	661,739.15	821,178.09	2,664.77	2,665.07	48.22	47.92	2,616.85	73.0	49.8 - 64.8	2,615.3 - 2,600.3	II	PWR/BR	63.0	2,602.1
MW-18	Off-Site	662,150.91	821,256.31	2,620.91	2,620.93	24.30	24.28	2,596.63	41.0	25.8 - 40.8	2,595.1 - 2,580.1	II	BR	22.0	2,598.9
MW-19	Off-Site	662,965.29	822,624.55	2,615.08	2,615.29	6.54	6.33	2,608.75	21.0	5.5 - 20.5	2,609.8 - 2,594.8	II	Allv/Res	NE	NE
MW-19D	Off-Site	662,952.84	822,617.92	2,615.33	2,615.62	6.14	5.85	2,609.48	59.0	53.9 - 58.9	2,561.7 - 2,556.7	II	PWR	NE	NE
MW-20	Off-Site	661,973.29	823,503.41	2,621.94	2,622.13	1.61	1.42	2,620.52	15.5	5.3 - 15.3	2,616.8 - 2,606.8	II	Alluvial	NE	NE
MW-20D	Off-Site	661,973.43	823,494.68	2,621.94	2,622.12	0.28	0.10	2,621.84	69.0	60.0 - 65.0	2,562.1 - 2,557.1	II	PWR	NE	NE
MW-21	Off-Site	661,424.40	823,203.28	2,658.37	2,658.72	20.14	19.79	2,638.58	36.0	18.8 - 33.8	2,639.9 - 2,624.9	II	Residuum	NE	NE
MW-22	Off-Site	661,046.30	820,724.07	2,599.86	2,600.00	1.21	1.08	2,598.78	25.0	4.0 - 24.0	2,596.0 - 2,576.0	II	Alluvial	NE	NE
MW-23	Off-Site	663,169.77	822,719.36	2,611.43	2,611.63	0.91	0.72	2,610.71	24.0	3.8 - 23.8	2,607.8 - 2,587.8	II	Alluvial	NE	NE
MW-23D	Off-Site	663,182.53	822,725.71	2,611.52	2,611.75	2.28	2.05	2,609.47	62.0	53.0 - 58.0	2,558.8 - 2,553.8	III	BR	37.0	2,574.8
MW-24	Off-Site	662,019.81	823,641.42	2,625.80	2,626.04	3.44	3.20	2,622.60	35.0	7.5 - 27.5	2,618.5 - 2,598.5	II	Collv/PWR/BR	15.0	2,611.0
MW-25	Off-Site	661,488.76	822,382.32	2,756.31	2,756.67	48.65	48.29	2,708.02	259.5	249.3 - 259.3	2,507.4 - 2,497.4	II	BR	62.0	2,694.7

Notes:
All survey data provided by McGill Associates, all units in feet.
*DTW from bgs values have been calculated from survey data provided by McGill Associates.
All values shown to the nearest 0.1-ft have been rounded.
Water levels measured on 8/19-26/13 by Pace
MW-1, -1A, -2A, -3A, -4, -5 installed by others. MW-6 through MW-25 installed by BLE.

Measuring Point Elevation is top of casing
II = Type II well
III = Type III well
NE = Not encountered
UK = Unknown, information is not available

BR & PWR = Bedrock & Partially Weathered Rock
Res = Residuum
Collv = Colluvium
Allv = Alluvium
NP = Well Not Present at Time of Measurement

Prepared by: AWA
Checked by: IAI

Table 2A
Volatile Organic Compounds (VOC) February 2011 Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J11-1957-24

Sampled by Pace on February 22, 2011 (Pace Projects 9288391 & 9288386)																			
COMPOUND	**UNITS**	**MDL**	**RL**	**MCL**	**MW-1A**	**MW-2A**	**MW-3A**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**
Acetone	µg/l	2.2	25	6000	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	**2.3**	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Acrylonitrile	µg/l	1.9	10	NE	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Benzene	µg/l	0.25	1	1	<0.25	<0.25	<0.25	**15.5**	**5.1**	<0.25	**0.72**	<0.25	<0.25	<0.25	<0.25	<0.25	**5.3**	**1.3**	**0.42**
Bromochloromethane	µg/l	0.17	1	NE	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromodichloromethane	µg/l	0.18	1	0.6	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Bromoform	µg/l	0.26	1	4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Carbon Disulfide	µg/l	1.2	2	700	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	**1.2**
Bromomethane (Methylbromide)	µg/l	0.29	2	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Carbon tetrachloride	µg/l	0.25	1	0.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chlorobenzene (mono)	µg/l	0.23	1	50	**1.8**	<0.23	<0.23	<0.23	<0.23	<0.23	**0.93**	<0.23	<0.23	<0.23	<0.23	<0.23	**0.61**	**1.6**	<0.23
Chloroethane	µg/l	0.54	1	3000	**1.5**	<0.54	**7.3**	**3.1**	**4**	<0.54	**1.3**	<0.54	<0.54	<0.54	<0.54	<0.54	**1.3**	**1.3**	<0.54
Chloroform	µg/l	0.14	1	70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Chloromethane (Methylchloride)	µg/l	0.11	1	3	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	**0.26**
Dibromochloromethane	µg/l	0.21	1	0.4	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane; DBCP	µg/l	2.5	5	0.04	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane; Ethylene dibromide	µg/l	0.27	1	0.02	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dibromomethane	µg/l	0.21	1	NE	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dichlorobenzene	µg/l	0.3	1	20	<0.3	<0.3	**1.1**	<0.3	<0.3	<0.3	**1.4**	<0.3	<0.3	**0.33**	**4.2**	<0.3	<0.3	**104**	**3.3**
1,4-Dichlorobenzene	µg/l	0.33	1	6	<0.33	**7**	**1.2**	**4.7**	**1.3**	<0.33	**1.7**	<0.33	<0.33	<0.33	**1.4**	<0.33	**5.9**	**21.4**	**0.8**
trans-1,4-Dichloro-2-butene	µg/l	1	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/l	0.32	1	6	**1.2**	**1.4**	**17.5**	**31.9**	**12.9**	<0.32	**4.4**	<0.32	**0.34**	**3.1**	**7.5**	<0.32	**4.8**	**1.5**	**1**
1,2-Dichloroethane	µg/l	0.12	1	0.4	<0.12	<0.12	**2.8**	**2**	<0.12	<0.12	**3**	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1-Dichloroethene (-ethylene)	µg/l	0.56	1	7	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
cis-1,2-Dichloroethene (-ethylene)	µg/l	0.19	1	70	**1**	**5.6**	**1.6**	**34.6**	**14.4**	<0.19	**2.7**	<0.19	**0.55**	**2.3**	**10.9**	<0.19	**17.3**	**32.5**	**8.9**
trans-1,2-Dichloroethene (-ylene)	µg/l	0.49	1	100	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
1,2-Dichloropropane	µg/l	0.27	1	0.6	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	**0.58**	<0.27	<0.27	<0.27	**0.46**	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene (-propylene)	µg/l	0.13	1	0.4	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
trans-1,3-Dichloropropene (-propylene)	µg/l	0.26	1	0.4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Diisopropyl ether (Isopropyl ether)	µg/l	0.12	1	70	NT	NT	NT	NT	NT	<0.12	**0.31**	<0.12	<0.12	<0.12	**0.31**	<0.12	**0.67**	**0.34**	**0.24**
Ethylbenzene	µg/l	0.3	1	600	<0.3	<0.3	<0.3	**1.7**	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone	µg/l	0.46	5	NE	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Iodomethane	µg/l	0.32	5	NE	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Dichloromethane (Methylene chloride)	µg/l	0.97	2	5	<0.97	<0.97	<0.97	**46.6**	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
2-Butanone (Methyl ethyl ketone)	µg/l	0.96	5	4000	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
4-Methyl-2-Pentanone	µg/l	0.33	5	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Styrene	µg/l	0.26	1	70	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1,2-Tetrachloroethane	µg/l	0.33	1	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,1,2,2-Tetrachloroethane	µg/l	0.4	1	0.2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethene (-ethylene)	µg/l	0.46	1	0.7	<0.46	<0.46	<0.46	**6.7**	**5.6**	<0.46	<0.46	<0.46	<0.46	**0.85**	**0.53**	<0.46	**2.2**	<0.46	<0.46
Toluene	µg/l	0.26	1	600	<0.26	<0.26	<0.26	**11.4**	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1-Trichloroethane	µg/l	0.48	1	200	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
1,1,2-Trichloroethane	µg/l	0.29	1	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Trichloroethene (-ethylene)	µg/l	0.47	1	3	<0.47	<0.47	<0.47	**7**	**4.8**	<0.47	<0.47	<0.47	<0.47	**0.55**	**0.53**	<0.47	**1.7**	<0.47	<0.47
Trichlorofluoromethane	µg/l	0.2	1	2000	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2,3-Trichloropropane	µg/l	0.41	1	0.005	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Vinyl acetate	µg/l	0.35	2	NE	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Vinyl chloride	µg/l	0.62	1	0.03	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	**0.79**	<0.62	<0.62
M&P Xylene	µg/l	0.66	2	500	<0.66	<0.66	<0.66	**8.4**	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
O Xylene	µg/l	0.23	1	500	<0.23	<0.23	<0.23	**4.2**	**2.3**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**8.8**	<0.23	<0.23
Dichlorodifluoromethane	µg/l	0.21	1	1000	NT	NT	NT	NT	NT	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
Total VOCs	µg/l	NE	NE	NE	**5.5**	**14.0**	**31.5**	**177.8**	**50.4**	**ND**	**19.3**	**ND**	**0.9**	**7.1**	**25.8**	**ND**	**49.4**	**163.9**	**16.1**

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Shaded cells indicate exceedance of MCL.
Samples collected by Pace on February 22, 2011
Analysis by EPA Method 8260

Prepared by: AWA
Checked by: MLT/TZS

Table 2B
Volatile Organic Compounds (VOC) August 2011 Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J11-1957-24

Sampled by Pace on August 23, 2011 (Pace Project 92100967)																			
COMPOUND	**UNITS**	**MDL**	**RL**	**MCL**	**MW-1A**	**MW-2A**	**MW-3A**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**
Acetone	µg/l	2.2	25	6000	<2.2	**4.4**	**4.1**	**7.9**	**3.7**	<2.2	**2.5**	<2.2	<2.2	<2.2	<2.2	<2.2	**2.6**	**2.5**	<2.2
Acrylonitrile	µg/l	1.9	10	NE	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Benzene	µg/l	0.25	1	1	**0.28**	**0.61**	**0.3**	**16.9**	**4.2**	<0.25	**0.79**	<0.25	<0.25	<0.25	<0.25	<0.25	**4.4**	**1.2**	**0.39**
Bromochloromethane	µg/l	0.17	1	NE	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromodichloromethane	µg/l	0.18	1	0.6	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Bromoform	µg/l	0.26	1	4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Carbon Disulfide	µg/l	1.2	2	700	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Bromomethane (Methylbromide)	µg/l	0.29	2	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Carbon tetrachloride	µg/l	0.25	1	0.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chlorobenzene (mono)	µg/l	0.23	1	50	**2.6**	**0.59**	**0.73**	**0.61**	<0.23	<0.23	**0.93**	<0.23	<0.23	<0.23	<0.23	<0.23	**0.45**	**1.7**	<0.23
Chloroethane	µg/l	0.54	1	3000	**2.2**	**2.5**	<0.54	**2.7**	**2.9**	<0.54	**1.2**	<0.54	<0.54	<0.54	<0.54	<0.54	**1.2**	**1.6**	<0.54
Chloroform	µg/l	0.14	1	70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Chloromethane (Methylchloride)	µg/l	0.11	1	3	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dibromochloromethane	µg/l	0.21	1	0.4	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane; DBCP	µg/l	2.5	5	0.04	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane; Ethylene dibromide	µg/l	0.27	1	0.02	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dibromomethane	µg/l	0.21	1	NE	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dichlorobenzene	µg/l	0.3	1	20	**0.43**	**1.3**	**0.7**	<0.3	<0.3	<0.3	**1.5**	<0.3	<0.3	<0.3	**4**	<0.3	<0.3	**97.1**	**2.8**
1,4-Dichlorobenzene	µg/l	0.33	1	6	**0.37**	**7.3**	**0.96**	**5.1**	**1.1**	<0.33	**1.6**	<0.33	<0.33	<0.33	**1.5**	<0.33	**5.6**	**21.7**	**0.69**
trans-1,4-Dichloro-2-butene	µg/l	1	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/l	0.32	1	6	**1.4**	**1.7**	**14.7**	**33.2**	**9.6**	<0.32	**4.6**	<0.32	**1.5**	**2.8**	**9.6**	<0.32	**4.3**	**1.3**	**0.82**
1,2-Dichloroethane	µg/l	0.12	1	0.4	**0.97**	<0.12	**2.1**	**2**	**0.23**	<0.12	**3.2**	<0.12	**0.12**	<0.12	**0.27**	<0.12	**0.36**	<0.12	<0.12
1,1-Dichloroethene (-ethylene)	µg/l	0.56	1	7	<0.56	<0.56	<0.56	**0.64**	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
cis-1,2-Dichloroethene (-ethylene)	µg/l	0.19	1	70	**1**	**4**	**2.4**	**36.7**	**11.5**	<0.19	**3.6**	**0.2**	**2.3**	**2.1**	**10.1**	<0.19	**15.8**	**31.1**	**7.7**
trans-1,2-Dichloroethene (-ylene)	µg/l	0.49	1	100	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
1,2-Dichloropropane	µg/l	0.27	1	0.6	**0.33**	**0.34**	**0.36**	**0.57**	<0.27	<0.27	**0.58**	<0.27	<0.27	<0.27	**0.42**	<0.27	**0.38**	<0.27	<0.27
cis-1,3-Dichloropropene (-propylene)	µg/l	0.13	1	0.4	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
trans-1,3-Dichloropropene (-propylene)	µg/l	0.26	1	0.4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Diisopropyl ether (Isopropyl ether)	µg/l	0.12	1	70	**0.13**	**0.44**	**0.43**	**1.7**	**0.17**	<0.12	**0.29**	<0.12	<0.12	<0.12	**0.12**	<0.12	**0.61**	**0.42**	**0.25**
Ethylbenzene	µg/l	0.3	1	600	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone	µg/l	0.46	5	NE	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Iodomethane	µg/l	0.32	5	NE	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Dichloromethane (Methylene chloride)	µg/l	0.97	2	5	<0.97	<0.97	<0.97	**48.5**	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
2-Butanone (Methyl ethyl ketone)	µg/l	0.96	5	4000	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
4-Methyl-2-Pentanone	µg/l	0.33	5	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Styrene	µg/l	0.26	1	70	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1,2-Tetrachloroethane	µg/l	0.33	1	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,1,2,2-Tetrachloroethane	µg/l	0.4	1	0.2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethene (-ethylene)	µg/l	0.46	1	0.7	<0.46	<0.46	<0.46	**7.5**	**4.6**	<0.46	<0.46	<0.46	**1.2**	**0.85**	**1**	<0.46	**1.7**	<0.46	<0.46
Toluene	µg/l	0.26	1	600	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1-Trichloroethane	µg/l	0.48	1	200	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
1,1,2-Trichloroethane	µg/l	0.29	1	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Trichloroethene (-ethylene)	µg/l	0.47	1	3	<0.47	<0.47	<0.47	**7.9**	**3.7**	<0.47	<0.47	<0.47	<0.47	**0.51**	**0.86**	<0.47	**1.5**	<0.47	<0.47
Trichlorofluoromethane	µg/l	0.2	1	2000	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2,3-Trichloropropane	µg/l	0.41	1	0.005	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Vinyl acetate	µg/l	0.35	2	NE	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Vinyl chloride	µg/l	0.62	1	0.03	<0.62	<0.62	**0.66**	**0.96**	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
M&P Xylene	µg/l	0.66	2	500	<0.66	<0.66	<0.66	**4.9**	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
O Xylene	µg/l	0.23	1	500	<0.23	<0.23	<0.23	**2.8**	**1.9**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**7.7**	<0.23	<0.23
Dichlorodifluoromethane	µg/l	0.21	1	1000	<0.21	<0.21	<0.21	**0.99**	**0.4**	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
Total VOCs	µg/l	NE	NE	NE	**9.7**	**23.2**	**27.4**	**181.6**	**44.0**	**ND**	**20.8**	**0.2**	**5.1**	**6.3**	**27.9**	**ND**	**46.6**	**158.6**	**12.7**

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Shaded cells indicate exceedance of MCL.
Samples collected by Pace on August 23, 2011
Analysis by EPA Method 8260

Prepared by: AWA
Checked by: TZS

Table 2C
Volatile Organic Compounds (VOC) February 2012 Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J11-1957-25

Sampled by Pace on February 21-22, 2012 (Pace Projects 92112617 & 92112760)																									
COMPOUND	**UNITS**	**MDL**	**RL**	**MCL**	**MW-1A**	**MW-2A**	**MW-3A**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**MW-16**	**MW-17**	**MW-18**	**MW-19**	**MW-20**	**MW-21**
Acetone	µg/l	2.2	25	6000	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Acrylonitrile	µg/l	1.9	10	NE	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Benzene	µg/l	0.25	1	1	<0.25	**0.65**	<0.25	**16.9**	**3.9**	<0.25	**0.68**	<0.25	<0.25	<0.25	<0.25	<0.25	**5.0**	**1.3**	**0.43**	<0.25	<0.25	<0.25	**0.39**	<0.25	<0.25
Bromochloromethane	µg/l	0.17	1	NE	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromodichloromethane	µg/l	0.18	1	0.6	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Bromoform	µg/l	0.26	1	4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Carbon Disulfide	µg/l	1.2	2	700	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Bromomethane (Methylbromide)	µg/l	0.29	2	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Carbon tetrachloride	µg/l	0.25	1	0.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chlorobenzene (mono)	µg/l	0.23	1	50	**2.5**	**0.27**	**0.44**	**0.53**	<0.23	<0.23	**0.88**	<0.23	<0.23	<0.23	<0.23	<0.23	**0.55**	**1.5**	<0.23	<0.23	<0.23	<0.23	**0.5**	<0.23	<0.23
Chloroethane	µg/l	0.54	1	3000	**1.7**	<0.54	**3.7**	**1.7**	**2.3**	<0.54	**0.87**	<0.54	<0.54	<0.54	<0.54	<0.54	**1.2**	**1.2**	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54
Chloroform	µg/l	0.14	1	70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Chloromethane (Methylchloride)	µg/l	0.11	1	3	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dibromochloromethane	µg/l	0.21	1	0.4	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane; DBCP	µg/l	2.5	5	0.04	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane; Ethylene dibromide	µg/l	0.27	1	0.02	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dibromomethane	µg/l	0.21	1	NE	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dichlorobenzene	µg/l	0.3	1	20	**0.48**	<0.3	**0.56**	<0.3	<0.3	<0.3	**1.6**	<0.3	<0.3	**0.65**	**5**	<0.3	<0.3	**75.9**	**4.0**	<0.3	<0.3	<0.3	**0.94**	<0.3	<0.3
1,4-Dichlorobenzene	µg/l	0.33	1	6	**0.42**	**3.1**	**0.61**	**4.9**	**0.99**	<0.33	**1.6**	<0.33	<0.33	<0.33	**1.6**	<0.33	**6.0**	**18.7**	**0.79**	<0.33	<0.33	<0.33	**0.99**	<0.33	<0.33
trans-1,4-Dichloro-2-butene	µg/l	1	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/l	0.32	1	6	**1.2**	**0.63**	**8.4**	**30.1**	**8.1**	<0.32	**3.0**	<0.32	<0.32	**2.1**	**8.5**	<0.32	**4.7**	**0.88**	**0.88**	**1.8**	<0.32	<0.32	**3.4**	**0.46**	<0.32
1,2-Dichloroethane	µg/l	0.12	1	0.4	**0.86**	<0.12	**0.71**	**1.7**	<0.12	<0.12	**2.2**	<0.12	<0.12	<0.12	**0.15**	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	**3.2**	<0.12	<0.12
1,1-Dichloroethene (-ethylene)	µg/l	0.56	1	7	<0.56	<0.56	<0.56	**0.57**	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
cis-1,2-Dichloroethene (-ethylene)	µg/l	0.19	1	70	**0.78**	**4.6**	**0.8**	**33.1**	**10.2**	<0.19	**2.4**	<0.19	<0.19	**1.7**	**10.6**	<0.19	**18.4**	**20.7**	**9.0**	**1.5**	<0.19	<0.19	**1.3**	<0.19	<0.19
trans-1,2-Dichloroethene (-ylene)	µg/l	0.49	1	100	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
1,2-Dichloropropane	µg/l	0.27	1	0.6	<0.27	<0.27	<0.27	**0.47**	<0.27	<0.27	**0.42**	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	**0.51**	<0.27	<0.27
cis-1,3-Dichloropropene (-propylene)	µg/l	0.13	1	0.4	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
trans-1,3-Dichloropropene (-propylene)	µg/l	0.26	1	0.4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Diisopropyl ether (Isopropyl ether)	µg/l	0.12	1	70	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethylbenzene	µg/l	0.3	1	600	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone	µg/l	0.46	5	NE	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Iodomethane	µg/l	0.32	5	NE	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Dichloromethane (Methylene chloride)	µg/l	0.97	2	5	<0.97	<0.97	<0.97	**32.6**	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
2-Butanone (Methyl ethyl ketone)	µg/l	0.96	5	4000	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
4-Methyl-2-Pentanone	µg/l	0.33	5	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Styrene	µg/l	0.26	1	70	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1,2-Tetrachloroethane	µg/l	0.33	1	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,1,2,2-Tetrachloroethane	µg/l	0.4	1	0.2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethene (-ethylene)	µg/l	0.46	1	0.7	<0.46	<0.46	<0.46	**5.9**	**3.7**	<0.46	<0.46	<0.46	<0.46	**0.89**	**0.93**	<0.46	**1.6**	<0.46	<0.46	**0.82**	<0.46	<0.46	<0.46	<0.46	<0.46
Toluene	µg/l	0.26	1	600	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1-Trichloroethane	µg/l	0.48	1	200	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
1,1,2-Trichloroethane	µg/l	0.29	1	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Trichloroethene (-ethylene)	µg/l	0.47	1	3	<0.47	<0.47	<0.47	**7.3**	**3.6**	<0.47	<0.47	<0.47	<0.47	**0.50**	<0.47	<0.47	**1.6**	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Trichlorofluoromethane	µg/l	0.2	1	2000	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	**3.8**	**3.8**
1,2,3-Trichloropropane	µg/l	0.41	1	0.005	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Vinyl acetate	µg/l	0.35	2	NE	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Vinyl chloride	µg/l	0.62	1	0.03	<0.62	**0.65**	<0.62	**0.78**	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	**0.74**	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
M&P Xylene	µg/l	0.66	2	500	<0.66	<0.66	<0.66	**4.9**	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
O Xylene	µg/l	0.23	1	500	<0.23	<0.23	<0.23	**1.7**	**0.52**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**7.7**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Dichlorodifluoromethane	µg/l	0.21	1	1000	<0.21	<0.21	<0.21	**0.7**	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
Total VOCs	µg/l	NE	NE	NE	**7.9**	**9.9**	**15.2**	**143.9**	**33.3**	**ND**	**13.7**	**ND**	**ND**	**5.8**	**26.8**	**ND**	**47.5**	**120.2**	**15.1**	**4.1**	**ND**	**ND**	**11.2**	**4.3**	**3.8**

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Shaded cells indicate exceedance of MCL.
Samples collected by Pace on February 21-22, 2012
Analysis by EPA Method 8260

Prepared by: AWA
Checked by: TZS

Table 2D
Volatile Organic Compounds (VOC) August 2012 Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J11-1957-25

Sampled by Pace on August 27-29, 2012 (Pace Project #92129364)																									
COMPOUND	**UNITS**	**MDL**	**RL**	**MCL**	**MW-1A**	**MW-2A**	**MW-3A**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**MW-16**	**MW-17**	**MW-18**	**MW-19**	**MW-20**	**MW-21**
Acetone	µg/l	2.2	25	6000	<2.2	**2.6**	<2.2	**4.1**	<2.2	<2.2	**2.9**	**3.7**	**3.5**	<2.2	**2.2**	<2.2	**2.4**	<2.2	**3.8**	<2.2	<2.2	<2.2	<2.2	<2.2	<2.2
Acrylonitrile	µg/l	1.9	10	NE	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Benzene	µg/l	0.25	1	1	**0.32**	**0.65**	<0.25	**15.6**	**3.3**	<0.25	**0.64**	<0.25	<0.25	<0.25	**0.36**	<0.25	**4.4**	**1.1**	<0.25	<0.25	<0.25	<0.25	**0.33**	<0.25	<0.25
Bromochloromethane	µg/l	0.17	1	NE	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromodichloromethane	µg/l	0.18	1	0.6	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Bromoform	µg/l	0.26	1	4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Carbon Disulfide	µg/l	1.2	2	700	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2
Bromomethane (Methylbromide)	µg/l	0.29	2	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Carbon tetrachloride	µg/l	0.25	1	0.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chlorobenzene (mono)	µg/l	0.23	1	50	**2.3**	**0.66**	**0.64**	**0.53**	<0.23	<0.23	**0.82**	<0.23	<0.23	<0.23	<0.23	<0.23	**0.44**	**1.4**	<0.23	<0.23	<0.23	<0.23	**0.57**	<0.23	<0.23
Chloroethane	µg/l	0.54	1	3000	**0.73**	<0.54	**1.8**	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54
Chloroform	µg/l	0.14	1	70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Chloromethane (Methylchloride)	µg/l	0.11	1	3	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dibromochloromethane	µg/l	0.21	1	0.4	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane; DBCP	µg/l	2.5	5	0.04	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane; Ethylene dibromide	µg/l	0.27	1	0.02	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dibromomethane	µg/l	0.21	1	NE	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dichlorobenzene	µg/l	0.3	1	20	**0.57**	**1.8**	**0.62**	<0.3	<0.3	<0.3	**1.6**	<0.3	<0.3	<0.3	**5.9**	<0.3	<0.3	**70.7**	**4.4**	<0.3	<0.3	<0.3	**1.2**	<0.3	<0.3
1,4-Dichlorobenzene	µg/l	0.33	1	6	<0.33	**8.6**	**0.88**	**5**	**0.87**	<0.33	**1.4**	<0.33	<0.33	<0.33	**1.8**	<0.33	**5.6**	**17.5**	**0.74**	<0.33	<0.33	<0.33	**1.3**	<0.33	<0.33
trans-1,4-Dichloro-2-butene	µg/l	1	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/l	0.32	1	6	**1.3**	**1.5**	**15.2**	**26.5**	**7.4**	<0.32	**2.6**	<0.32	**0.91**	**1.8**	**6.8**	<0.32	**3.3**	**0.76**	**0.68**	**1.6**	<0.32	<0.32	**4.5**	**0.42**	<0.32
1,2-Dichloroethane	µg/l	0.12	1	0.4	**0.96**	**0.36**	**2.1**	**1.4**	<0.12	<0.12	**1.7**	<0.12	<0.12	<0.12	**0.26**	<0.12	**0.23**	<0.12	<0.12	<0.12	<0.12	<0.12	**3.9**	<0.12	<0.12
1,1-Dichloroethene (-ethylene)	µg/l	0.56	1	7	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
cis-1,2-Dichloroethene (-ethylene)	µg/l	0.19	1	70	**0.99**	**2.8**	**2.6**	**30.5**	**8**	<0.19	**2.2**	<0.19	**1.6**	**1.3**	**15.1**	<0.19	**13.9**	**22.8**	**5.3**	**1.2**	<0.19	<0.19	**1.3**	<0.19	<0.19
trans-1,2-Dichloroethene (-ylene)	µg/l	0.49	1	100	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
1,2-Dichloropropane	µg/l	0.27	1	0.6	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	**0.58**	<0.27	<0.27
cis-1,3-Dichloropropene (-propylene)	µg/l	0.13	1	0.4	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
trans-1,3-Dichloropropene (-propylene)	µg/l	0.26	1	0.4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Diisopropyl ether (Isopropyl ether)	µg/l	0.12	1	70	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethylbenzene	µg/l	0.3	1	600	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3
2-Hexanone	µg/l	0.46	5	NE	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Iodomethane	µg/l	0.32	5	NE	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Dichloromethane (Methylene chloride)	µg/l	0.97	1	5	<0.97	<0.97	<0.97	**16.8**	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
2-Butanone (Methyl ethyl ketone)	µg/l	0.96	5	4000	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
4-Methyl-2-Pentanone	µg/l	0.33	5	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Styrene	µg/l	0.26	1	70	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1,2-Tetrachloroethane	µg/l	0.33	1	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,1,2,2-Tetrachloroethane	µg/l	0.4	1	0.2	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4	<0.4
Tetrachloroethene (-ethylene)	µg/l	0.46	1	0.7	<0.46	<0.46	<0.46	**5.8**	**3.7**	<0.46	<0.46	<0.46	**0.86**	**0.66**	**0.98**	<0.46	**1.5**	<0.46	<0.46	**0.75**	<0.46	<0.46	<0.46	<0.46	<0.46
Toluene	µg/l	0.26	1	600	<0.26	<0.26	**0.38**	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1-Trichloroethane	µg/l	0.48	1	200	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
1,1,2-Trichloroethane	µg/l	0.29	1	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Trichloroethene (-ethylene)	µg/l	0.47	1	3	<0.47	<0.47	<0.47	**7**	**3.4**	<0.47	<0.47	<0.47	<0.47	<0.47	**1.1**	<0.47	**1.3**	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Trichlorofluoromethane	µg/l	0.2	1	2000	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
1,2,3-Trichloropropane	µg/l	0.41	1	0.005	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Vinyl acetate	µg/l	0.35	2	NE	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Vinyl chloride	µg/l	0.62	1	0.03	<0.62	<0.62	**0.78**	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
M&P Xylene	µg/l	0.66	2	500	<0.66	<0.66	<0.66	**4.2**	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
O Xylene	µg/l	0.23	1	500	<0.23	<0.23	<0.23	**1.1**	**0.29**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**6.7**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Dichlorodifluoromethane	µg/l	0.21	1	1000	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
Total VOCs	µg/l	NE	NE	NE	**7.2**	**19.0**	**25.0**	**118.5**	**27.0**	**ND**	**13.9**	**3.7**	**6.9**	**3.8**	**34.5**	**ND**	**39.8**	**114.3**	**14.9**	**3.6**	**ND**	**ND**	**13.7**	**0.4**	**ND**

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Shaded cells indicate exceedance of MCL.
Samples collected by Pace on August 27-29, 2012
Analysis by EPA Method 8260

Prepared by : BPN
Checked by: PJVH

Table 2E
Volatile Organic Compounds (VOC) February 2013 Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J12-1957-34

Sampled by Pace on February 18-21, 2013 (Pace Projects #92148500 & 92148504)																																		
COMPOUND	**UNITS**	**MDL**	**RL**	**MCL**	**MW-1A**	**MW-2A**	**MW-3A**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-14D**	**MW-15**	**MW-16**	**MW-16D**	**MW-17**	**MW-18**	**MW-19**	**MW-19D**	**MW-20**	**MW-20D**	**MW-21**	**MW-22**	**MW-23**	**MW-24**	**MW-25**
Acetone	µg/l	10.0	25	6000	<10.0	**14.6**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	µg/l	1.9	10	NE	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Benzene	µg/l	0.25	1	1	<0.25	**0.45**	**0.39**	**17.1**	**4.1**	<0.25	**0.65**	<0.25	<0.25	<0.25	**0.46**	<0.25	**3.5**	**1.2**	<0.25	**0.84**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Bromochloromethane	µg/l	0.17	1	NE	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromodichloromethane	µg/l	0.18	1	0.6	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Bromoform	µg/l	0.26	1	4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Carbon Disulfide	µg/l	1.2	2	700	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	**9.5**	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	**3.9**
Bromomethane (Methylbromide)	µg/l	0.29	2	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Carbon tetrachloride	µg/l	0.25	1	0.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chlorobenzene (mono)	µg/l	0.23	1	50	**3.1**	<0.23	**0.34**	**0.56**	<0.23	<0.23	**1.1**	<0.23	<0.23	<0.23	<0.23	<0.23	**0.36**	**1.5**	<0.23	**0.28**	<0.23	<0.23	<0.23	<0.23	**0.53**	**2.3**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Chloroethane	µg/l	0.54	1	3000	**2.1**	<0.54	**2.7**	**1.3**	**2.4**	<0.54	**1.3**	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	**2.1**	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54
Chloroform	µg/l	0.14	1	70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Chloromethane (Methylchloride)	µg/l	0.11	1	3	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dibromochloromethane	µg/l	0.21	1	0.4	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane; DBCP	µg/l	2.5	5	0.04	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane; Ethylene dibromide	µg/l	0.27	1	0.02	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dibromomethane	µg/l	0.21	1	NE	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dichlorobenzene	µg/l	0.30	1	20	**0.76**	**0.33**	**0.53**	<0.30	<0.30	<0.30	**2.2**	<0.30	<0.30	<0.30	**5.9**	<0.30	<0.30	**76.7**	**5.9**	**9.2**	<0.30	<0.30	<0.30	<0.30	**1.1**	**3.2**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,3-Dichlorobenzene	µg/l	0.24	1	200	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	**0.40**	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,4-Dichlorobenzene	µg/l	0.33	1	6	**0.53**	**2.2**	**0.49**	**5.6**	**1.1**	<0.33	**1.9**	<0.33	<0.33	<0.33	**1.6**	<0.33	**5.2**	**18.1**	**1.1**	**1.6**	<0.33	<0.33	<0.33	<0.33	**1.1**	**2.7**	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
trans-1,4-Dichloro-2-butene	µg/l	1.0	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/l	0.32	1	6	**1.4**	**0.52**	**7.0**	**27.5**	**7.9**	<0.32	**2.9**	<0.32	**0.52**	**1.8**	**5.7**	<0.32	**2.7**	**0.76**	<0.32	**0.76**	**0.58**	**1.1**	<0.32	<0.32	**3.6**	**3.4**	<0.32	**0.97**	<0.32	<0.32	<0.32	<0.32	**3.1**
1,2-Dichloroethane	µg/l	0.12	1	0.4	<0.12	<0.12	**0.63**	**1.6**	<0.12	<0.12	**2.2**	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	**3.0**	**3.7**	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,1-Dichloroethene (-ethylene)	µg/l	0.56	1	7	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
cis-1,2-Dichloroethene (-ethylene)	µg/l	0.19	1	70	**0.5**	**1.6**	<0.19	**31.4**	**10.4**	<0.19	**2.6**	<0.19	**0.81**	**1.6**	**17.3**	<0.19	**14.2**	**20.6**	**1.5**	**10.6**	**0.39**	**0.63**	<0.19	<0.19	**1.1**	**0.78**	<0.19	**0.86**	<0.19	<0.19	<0.19	<0.19	**2.0**
trans-1,2-Dichloroethene (-ylene)	µg/l	0.49	1	100	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
1,2-Dichloropropane	µg/l	0.27	1	0.6	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	**0.86**	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene (-propylene)	µg/l	0.13	1	0.4	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
trans-1,3-Dichloropropene (-propylene)	µg/l	0.26	1	0.4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Diisopropyl ether (Isopropyl ether)	µg/l	NT	NT	70	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethylbenzene	µg/l	0.3	1	600	<0.30	<0.30	<0.30	**0.46**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
2-Hexanone	µg/l	0.46	5	NE	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Iodomethane	µg/l	0.32	5	NE	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Dichloromethane (Methylene chloride)	µg/l	0.97	1	5	<0.97	<0.97	<0.97	**21.4**	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	**2.4**
2-Butanone (Methyl ethyl ketone)	µg/l	0.96	5	4000	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
4-Methyl-2-Pentanone	µg/l	0.33	5	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Naphthalene	µg/l	0.24	1	6	**0.91**	<0.24	<0.24	**5.2**	**0.82**	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
Styrene	µg/l	0.26	1	70	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1,2-Tetrachloroethane	µg/l	0.33	1	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,1,2,2-Tetrachloroethane	µg/l	0.40	1	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Tetrachloroethene (-ethylene)	µg/l	0.46	1	0.7	<0.46	<0.46	<0.46	**5.8**	**4.4**	<0.46	<0.46	<0.46	<0.46	**0.60**	**0.69**	<0.46	**0.78**	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Toluene	µg/l	0.26	1	600	<0.26	<0.26	<0.26	**1.3**	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	**0.32**	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1-Trichloroethane	µg/l	0.48	1	200	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
1,1,2-Trichloroethane	µg/l	0.29	1	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Trichloroethene (-ethylene)	µg/l	0.47	1	3	<0.47	<0.47	<0.47	**6.1**	**3.3**	<0.47	<0.47	<0.47	<0.47	<0.47	**0.82**	<0.47	**0.67**	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47
Trichlorofluoromethane	µg/l	0.20	1	2000	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,3-Trichloropropane	µg/l	0.41	1	0.005	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Vinyl acetate	µg/l	0.35	2	NE	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Vinyl chloride	µg/l	0.62	1	0.03	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
M&P Xylene	µg/l	0.66	2	500	<0.66	<0.66	<0.66	**5.6**	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
O Xylene	µg/l	0.23	1	500	<0.23	<0.23	<0.23	**1.9**	**0.76**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**2.8**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Dichlorodifluoromethane	µg/l	0.21	1	1000	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
Total VOCs	µg/l	NE	NE	NE	**9.3**	**19.7**	**12.1**	**132.8**	**35.2**	**ND**	**14.9**	**ND**	**1.3**	**4.0**	**32.5**	**ND**	**30.2**	**119.3**	**18.3**	**23.3**	**1.0**	**1.7**	**ND**	**ND**	**10.4**	**19.0**	**ND**	**1.8**	**ND**	**ND**	**ND**	**ND**	**11.4**

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Shaded cells indicate exceedance of MCL.
Samples collected by Pace on February 18-21, 2013
Analysis by EPA Method 8260

Prepared by: SJN/PJVH
Checked by: AWA/IAI

Table 2F
Volatile Organic Compounds (VOC) August 2013 Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J12-1957-34

Sampled by Pace on August 20-26, 2013 (Pace Project #92169299)																																		
COMPOUND	**UNITS**	**MDL**	**RL**	**MCL**	**MW-1A**	**MW-2A**	**MW-3A**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-14D**	**MW-15**	**MW-16**	**MW-16D**	**MW-17**	**MW-18**	**MW-19**	**MW-19D**	**MW-20**	**MW-20D**	**MW-21**	**MW-22**	**MW-23**	**MW-24**	**MW-25**
Acetone	µg/l	10.0	25	6000	<10.0	<10.0	<10.0	<10.0	**13.7**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**20.6**
Acrylonitrile	µg/l	1.9	10	NE	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9
Benzene	µg/l	0.25	1	1	**0.45**	**0.93**	**0.50**	**15.7**	**3.7**	<0.25	**0.64**	<0.25	<0.25	<0.25	<0.25	<0.25	**3.8**	**1.0**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**0.37**	**0.52**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**8.6**
Bromochloromethane	µg/l	0.17	1	NE	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromodichloromethane	µg/l	0.18	1	0.6	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Bromoform	µg/l	0.26	1	4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Carbon Disulfide	µg/l	1.2	2	700	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	**4.3**	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	**5.8**
Bromomethane (Methylbromide)	µg/l	0.29	2	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Carbon tetrachloride	µg/l	0.25	1	0.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chlorobenzene (mono)	µg/l	0.23	1	50	**3.8**	**0.40**	**0.42**	**0.65**	<0.23	<0.23	**1.2**	<0.23	<0.23	<0.23	<0.23	<0.23	**0.72**	**1.8**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**0.67**	**2.3**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**0.46**
Chloroethane	µg/l	0.54	1	3000	**2.3**	<0.54	**5.7**	<0.54	**2.1**	<0.54	**1.5**	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	**2.8**	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	**2.4**
Chloroform	µg/l	0.14	1	70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	**2.3**	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Chloromethane (Methylchloride)	µg/l	0.11	1	3	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dibromochloromethane	µg/l	0.21	1	0.4	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane; DBCP	µg/l	2.5	5	0.04	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5
1,2-Dibromoethane; Ethylene dibromide	µg/l	0.27	1	0.02	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dibromomethane	µg/l	0.21	1	NE	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dichlorobenzene	µg/l	0.30	1	20	**0.97**	**0.47**	**0.57**	<0.30	<0.30	<0.30	**2.6**	<0.30	<0.30	**0.33**	**4.2**	<0.30	<0.30	**78.6**	**2.3**	**8.2**	<0.30	<0.30	<0.30	<0.30	**1.2**	**3.4**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	**0.33**
1,3-Dichlorobenzene	µg/l	0.24	1	200	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	**0.43**	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,4-Dichlorobenzene	µg/l	0.33	1	6	**0.65**	**5.7**	**0.82**	**6.2**	**1.1**	<0.33	**2.2**	<0.33	<0.33	<0.33	**1.5**	<0.33	**6.4**	**20.7**	**0.49**	**1.1**	<0.33	<0.33	<0.33	<0.33	**1.2**	**3.0**	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	**3.9**
trans-1,4-Dichloro-2-butene	µg/l	1.0	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	µg/l	0.32	1	6	**1.3**	**0.56**	**7.9**	**20.8**	**7.8**	<0.32	**2.6**	<0.32	**0.80**	**1.5**	**6.6**	<0.32	**2.1**	**0.71**	<0.32	**0.58**	<0.32	**1.1**	<0.32	<0.32	**2.8**	**2.7**	**0.68**	**0.99**	<0.32	<0.32	<0.32	<0.32	**16.3**
1,2-Dichloroethane	µg/l	0.12	1	0.4	**1.2**	<0.12	**0.77**	**1.5**	<0.12	<0.12	**1.9**	<0.12	<0.12	<0.12	**0.29**	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	**2.5**	**3.0**	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	**0.99**
1,1-Dichloroethene (-ethylene)	µg/l	0.56	1	7	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
cis-1,2-Dichloroethene (-ethylene)	µg/l	0.19	1	70	**0.38**	**5.1**	**2.0**	**25.8**	**8.6**	<0.19	**1.8**	<0.19	**1.1**	**1.4**	**17.2**	<0.19	**11.3**	**18.1**	**0.76**	**4.5**	<0.19	**0.77**	<0.19	<0.19	**1.1**	**0.55**	**0.32**	**0.89**	<0.19	<0.19	<0.19	<0.19	**23.2**
trans-1,2-Dichloroethene (-ylene)	µg/l	0.49	1	100	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
1,2-Dichloropropane	µg/l	0.27	1	0.6	**0.31**	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	**0.64**	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene (-propylene)	µg/l	0.13	1	0.4	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
trans-1,3-Dichloropropene (-propylene)	µg/l	0.26	1	0.4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Diisopropyl ether (Isopropyl ether)	µg/l	NT	NT	70	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethylbenzene	µg/l	0.3	1	600	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
2-Hexanone	µg/l	0.46	5	NE	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Iodomethane	µg/l	0.32	5	NE	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Dichloromethane (Methylene chloride)	µg/l	0.97	1	5	<0.97	<0.97	<0.97	**40.6**	**2.9**	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	**28.3**
2-Butanone (Methyl ethyl ketone)	µg/l	0.96	5	4000	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
4-Methyl-2-Pentanone	µg/l	0.33	5	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Naphthalene	µg/l	0.24	1	6	<0.24	<0.24	<0.24	**5.8**	**0.56**	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	**0.48**	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	**7.7**
Styrene	µg/l	0.26	1	70	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1,2-Tetrachloroethane	µg/l	0.33	1	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,1,2,2-Tetrachloroethane	µg/l	0.40	1	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Tetrachloroethene (-ethylene)	µg/l	0.46	1	0.7	<0.46	<0.46	<0.46	**5.9**	**4.4**	<0.46	<0.46	<0.46	**0.70**	**0.68**	**1.0**	<0.46	**0.97**	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	**3.3**
Toluene	µg/l	0.26	1	600	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	**0.43**
1,1,1-Trichloroethane	µg/l	0.48	1	200	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
1,1,2-Trichloroethane	µg/l	0.29	1	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Trichloroethene (-ethylene)	µg/l	0.47	1	3	<0.47	<0.47	<0.47	**6.0**	**3.8**	<0.47	<0.47	<0.47	<0.47	<0.47	**1.1**	<0.47	**0.94**	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	**3.7**
Trichlorofluoromethane	µg/l	0.20	1	2000	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,3-Trichloropropane	µg/l	0.41	1	0.005	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Vinyl acetate	µg/l	0.35	2	NE	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Vinyl chloride	µg/l	0.62	1	0.03	<0.62	**0.62**	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
M&P Xylene	µg/l	0.66	2	500	<0.66	<0.66	<0.66	**5.7**	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
O Xylene	µg/l	0.23	1	500	<0.23	<0.23	<0.23	**1.9**	**0.60**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**4.7**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**0.55**
Dichlorodifluoromethane	µg/l	0.21	1	1000	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
Total VOCs	µg/l	NE	NE	NE	**11.4**	**13.8**	**18.7**	**136.6**	**49.3**	**ND**	**14.4**	**ND**	**2.6**	**3.9**	**31.9**	**ND**	**31.4**	**121.3**	**7.9**	**14.4**	**2.3**	**1.9**	**ND**	**ND**	**9.8**	**18.9**	**1.0**	**1.9**	**ND**	**ND**	**ND**	**ND**	**126.6**

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Shaded cells indicate exceedance of MCL.
Samples collected by Pace on August 20-26, 2013
Analysis by EPA Method 8260

Prepared by: PJVH
Checked by: RAD

Table 2G
Volatile Organic Compounds (VOC) February 2014 Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J13-1957-39

Sampled by Pace on February 20-26, 2014 (Pace Project 92190605, 92190677, 92191006 & 92191140)																																			
COMPOUND	**UNITS**	**MDL**	**RL**	**MCL**	**MW-1A**	**MW-2A**	**MW-3A**	**MW-4**	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW-12**	**MW-13**	**MW-14**	**MW-14D**	**MW-15**	**MW-16**	**MW-16D**	**MW-17**	**MW-18**	**MW-19**	**MW-19D**	**MW-20**	**MW-20D**	**MW-21**	**MW-22**	**MW-23**	**MW-23D**	**MW-24**	**MW-25**
Acetone	µg/l	10.0	25	6000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	µg/l	1.9	10	NE	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.10	<1.9	<1.9
Benzene	µg/l	0.25	1	1	**0.36**	**0.86**	**0.34**	**16.5**	**4.4**	<0.25	**0.72**	<0.25	<0.25	<0.25	**0.28**	<0.25	**3.6**	**1.3**	<0.25	**0.26**	<0.25	<0.25	<0.25	<0.25	**0.73**	**0.54**	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	**5.7**
Bromochloromethane	µg/l	0.17	1	NE	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Bromodichloromethane	µg/l	0.18	1	0.6	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Bromoform	µg/l	0.26	1	4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Carbon Disulfide	µg/l	1.2	2	700	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	<1.2	**1.2**	<1.2	<1.2	<1.2	<1.3	<1.2	**1.2**
Bromomethane (Methylbromide)	µg/l	0.29	2	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Carbon tetrachloride	µg/l	0.25	1	0.3	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Chlorobenzene (mono)	µg/l	0.23	1	50	**2.5**	**0.29**	<0.23	**0.61**	<0.23	<0.23	**1.2**	<0.23	<0.23	<0.23	<0.23	<0.23	**0.57**	**1.5**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**1.8**	**2.0**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	**0.39**
Chloroethane	µg/l	0.54	1	3000	**1.2**	**0.94**	**1.1**	**0.78**	**1.4**	<0.54	**1.2**	<0.54	<0.54	<0.54	<0.54	<0.54	**0.57**	**1.0**	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	**1.7**	**1.6**	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54	<0.54
Chloroform	µg/l	0.14	1	70	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	**1.4**	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Chloromethane (Methylchloride)	µg/l	0.11	1	3	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Dibromochloromethane	µg/l	0.21	1	0.4	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dibromo-3-chloropropane; DBCP	µg/l	2.5	5	0.04	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.6	<2.5	<2.5
1,2-Dibromoethane; Ethylene dibromide	µg/l	0.27	1	0.02	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
Dibromomethane	µg/l	0.21	1	NE	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
1,2-Dichlorobenzene	µg/l	0.30	1	20	**1.0**	**0.43**	<0.30	<0.30	<0.30	<0.30	**2.8**	<0.30	<0.30	<0.30	**3.3**	<0.30	<0.30	**70.5**	**1.6**	**7.2**	<0.30	<0.30	<0.30	<0.30	**3.1**	**3.3**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
1,3-Dichlorobenzene	µg/l	0.24	1	200	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	**0.42**	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24
1,4-Dichlorobenzene	µg/l	0.33	1	6	**0.49**	**4.0**	<0.33	**6.1**	**1.4**	<0.33	**2.3**	<0.33	<0.33	<0.33	**1.0**	<0.33	**7.3**	**18.0**	**0.36**	**0.72**	<0.33	<0.33	<0.33	<0.33	**2.8**	**2.5**	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	**2.8**
trans-1,4-Dichloro-2-butene	µg/l	1.0	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1	<1.0	<1.0
1,1-Dichloroethane	µg/l	0.32	1	6	**1.2**	**0.46**	**3.2**	**21.2**	**6.8**	<0.32	**2.3**	<0.32	**0.72**	**1.1**	**5.2**	<0.32	**1.7**	**0.68**	<0.32	**0.54**	<0.32	**1.2**	<0.32	<0.32	**3.4**	**2.3**	**0.67**	**1.1**	<0.32	<0.32	<0.32	<0.32	<0.32	**8.7**
1,2-Dichloroethane	µg/l	0.12	1	0.4	**0.99**	<0.12	<0.12	**1.7**	**0.25**	<0.12	**1.7**	<0.12	<0.12	<0.12	<0.12	<0.12	**0.25**	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	**3.0**	**2.6**	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	**0.87**
1,1-Dichloroethene (-ethylene)	µg/l	0.56	1	7	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56	<0.56
cis-1,2-Dichloroethene (-ethylene)	µg/l	0.19	1	70	**0.67**	**2.8**	**0.59**	**27.6**	**10.2**	<0.19	**1.6**	<0.19	**1.0**	**1.2**	**14.8**	<0.19	**10.9**	**15.1**	**0.68**	**3.7**	<0.19	**0.82**	<0.19	<0.19	**1.9**	**0.58**	**0.35**	**0.96**	<0.19	<0.19	<0.19	<0.19	<0.19	**14.1**
trans-1,2-Dichloroethene (-ylene)	µg/l	0.49	1	100	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49	<0.49
1,2-Dichloropropane	µg/l	0.27	1	0.6	**0.31**	<0.27	<0.27	**0.48**	<0.27	<0.27	**0.53**	<0.27	<0.27	<0.27	**0.31**	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	**0.79**	**0.71**	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27
cis-1,3-Dichloropropene (-propylene)	µg/l	0.13	1	0.4	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13
trans-1,3-Dichloropropene (-propylene)	µg/l	0.26	1	0.4	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
Diisopropyl ether (Isopropyl ether)	µg/l	NT	NT	70	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethylbenzene	µg/l	0.3	1	600	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
2-Hexanone	µg/l	0.46	5	NE	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Iodomethane	µg/l	0.32	5	NE	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
Dichloromethane (Methylene chloride)	µg/l	0.97	1	5	<0.97	<0.97	<0.97	**34.1**	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97	<0.97
2-Butanone (Methyl ethyl ketone)	µg/l	0.96	5	4000	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96	<0.96
4-Methyl-2-Pentanone	µg/l	0.33	5	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
Naphthalene	µg/l	0.24	1	6	<0.24	<0.24	<0.24	**6.5**	**0.80**	**1.6**	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	**1.0**	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	**8.9**
Styrene	µg/l	0.26	1	70	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1,2-Tetrachloroethane	µg/l	0.33	1	NE	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,1,2,2-Tetrachloroethane	µg/l	0.40	1	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Tetrachloroethene (-ethylene)	µg/l	0.46	1	0.7	<0.46	<0.46	<0.46	**6.0**	**5.1**	<0.46	<0.46	<0.46	**0.65**	**0.54**	**1.1**	<0.46	**1.2**	<0.46	<0.46	<0.46	<0.46	**0.62**	<0.46	<0.46	<0.46	<0.46	<0.46	**0.52**	<0.46	<0.46	<0.46	<0.46	<0.46	**1.3**
Toluene	µg/l	0.26	1	600	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26
1,1,1-Trichloroethane	µg/l	0.48	1	200	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
1,1,2-Trichloroethane	µg/l	0.29	1	NE	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29
Trichloroethene (-ethylene)	µg/l	0.47	1	3	<0.47	<0.47	<0.47	**6.0**	**4.1**	<0.47	<0.47	<0.47	<0.47	<0.47	**1.2**	<0.47	**0.98**	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	<0.47	**1.9**
Trichlorofluoromethane	µg/l	0.20	1	2000	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
1,2,3-Trichloropropane	µg/l	0.41	1	0.005	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Vinyl acetate	µg/l	0.35	2	NE	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
Vinyl chloride	µg/l	0.62	1	0.03	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62	<0.62
M&P Xylene	µg/l	0.66	2	500	<0.66	<0.66	<0.66	**4.6**	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66	<0.66
O Xylene	µg/l	0.23	1	500	<0.23	<0.23	<0.23	**1.8**	**0.52**	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23	<0.23
Dichlorodifluoromethane	µg/l	0.21	1	1000	<0.21	<0.21	<0.21	**0.58**	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21	<0.21
Total VOCs	µg/l	NE	NE	NE	**8.7**	**9.8**	**5.2**	**134.6**	**35.0**	**1.6**	**14.4**	**ND**	**2.4**	**2.8**	**27.2**	**ND**	**28.1**	**108.5**	**2.6**	**12.4**	**1.4**	**2.6**	**ND**	**ND**	**19.2**	**16.1**	**1.0**	**3.8**	**ND**	**ND**	**ND**	**ND**	**ND**	**45.9**

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Shaded cells indicate exceedance of MCL.
Samples collected by Pace on August 20-26, 2013
Analysis by EPA Method 8260

Prepared by: PJVH
Checked by: RAD

Table 3A (2011)
Pesticides, Herbicides, & Cyanide
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J11-1957-25

Sampled by Pace on February 22, 2011 (Pace Project 9288391)

CLASS -- COMPOUND	Method	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Pesticides -- Heptachlor	EPA 8081	µg/l	0.0015	0.01	0.008	NT	NT	NT	NT	NT	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	**0.079**	<0.0015	<0.0015	<0.0015	NP	<0.0015	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pesticides -- Methoxychlor	EPA 8081	µg/l	*V*	0.01	40	NT	NT	NT	NT	NT	<0.0071	<0.0072	<0.0072	<0.0071	<0.0072	<0.0071	<0.0072	<0.0071	<0.0070	NP	<0.0071	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pesticides -- Endosulfan sulfate	EPA 8081	µg/l	*V*	0.01	40	NT	NT	NT	NT	NT	<0.00061	<0.00061	<0.00062	<0.00061	<0.00061	<0.00061	<0.00061	<0.00061	<0.00060	NP	<0.00061	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pesticides -- beta-BHC	EPA 8081	µg/l	*V*	0.01	0.02	NT	NT	NT	NT	NT	<0.00051	<0.00051	<0.00052	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00050	NP	<0.00050	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pesticides -- gamma-BHC (Lindane)	EPA 8081	µg/l	0.0002	0.01	0.03	NT	NT	NT	NT	NT	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	**0.027**	NP	<0.0002	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pesticides -- All Other	EPA 8081	µg/l	NA	NA	NA	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Herbicides -- Silvex	EPA 8151	µg/l	0.049	2	50	NT	NT	NT	NT	NT	<0.049	**0.078**	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	NP	<0.049	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Herbicides -- All Other	EPA 8151	µg/l	NA	NA	NA	NT	NT	NT	NT	NT	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Cyanide	SM 4500-CN-E	mg/l	0.005	0.005	0.07	NT	NT	NT	NT	NT	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0067**	NP	**0.0086**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP

Sampled by Pace on August 23, 2011 (Pace Project 92100967)

CLASS -- COMPOUND	Method	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-21	MW-21	MW-22	MW-23	MW-24	MW-21
Pesticides -- Heptachlor	EPA 8081	µg/l	*V*	*V*	0.008	<0.054	<0.052	<0.056	<0.054	<0.053	<0.054	<0.057	<0.057	<0.059	<0.062	<0.054	<0.053	<0.050	<0.050	NP	<0.057	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pesticides -- Methoxychlor	EPA 8081	µg/l	*V*	*V*	40	<0.16	<0.16	<0.17	<0.16	<0.16	<0.16	<0.17	<0.17	<0.18	<0.19	<0.16	<0.16	<0.15	**0.15**	NP	<0.17	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pesticides -- Endosulfan sulfate	EPA 8081	µg/l	*V*	*V*	40	<0.054	<0.052	<0.056	<0.054	<0.053	<0.054	<0.057	<0.057	<0.059	<0.062	<0.054	<0.053	<0.050	**0.062**	NP	<0.057	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pesticides -- beta-BHC	EPA 8081	µg/l	*V*	*V*	0.02	<0.054	**0.13**	<0.056	<0.054	<0.053	<0.054	<0.057	<0.057	<0.059	<0.062	<0.054	<0.053	<0.050	<0.050	NP	<0.057	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pesticides -- gamma-BHC (Lindane)	EPA 8081	µg/l	*V*	*V*	0.03	<0.054	<0.052	<0.056	<0.054	<0.053	<0.054	<0.057	<0.057	<0.059	<0.062	**0.27**	<0.053	<0.050	<0.050	NP	<0.057	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pesticides -- All Other	EPA 8081	µg/l	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Herbicides -- Silvex	EPA 8151	µg/l	0.049	0.19	50	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	<0.049	NP	<0.049	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Herbicides -- All Other	EPA 8151	µg/l	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Cyanide	SM 4500-CN-E	mg/l	0.005	0.005	0.07	<0.005	**0.0092**	**0.0052**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NP	<0.005	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Shaded cells indicate exceedance of MCL.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).
Samples collected by Pace on dates specifed above

***V* = The laboratory report varies the MDL and RL from sample to sample**
NP = Not Present at the time of sampling
NA = Not Applicable
NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
ND = Not Detected

Prepared by: AWA
Checked by: TZS

Table 3B (2012)
Pesticides, Herbicides, & Cyanide
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J11-1957-25

Sampled by Pace on February 21-22, 2012 (Pace Projects 92112617 & 92112760)

CLASS -- COMPOUND	Method	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Pesticides -- 4,4'-DDT	EPA 8081	µg/l	<0.050	<0.050	0.1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.072**	**0.054**	NP	<0.050	<0.050	NP	<0.050	<0.050	<0.050	NP	<0.050	NP	<0.050	NP	NP	NP	NP
Pesticides -- Heptachlor	EPA 8081	µg/l	<0.050	<0.050	0.008	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NP	<0.050	<0.050	NP	<0.050	<0.050	<0.050	NP	<0.050	NP	<0.050	NP	NP	NP	NP
Pesticides -- Methoxychlor	EPA 8081	µg/l	<0.15	<0.15	40	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	NP	<0.15	<0.15	NP	<0.15	<0.15	<0.15	NP	<0.15	NP	<0.15	NP	NP	NP	NP
Pesticides -- Endosulfan sulfate	EPA 8081	µg/l	<0.050	<0.050	40	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NP	<0.050	<0.050	NP	<0.050	<0.050	**0.061**	NP	<0.050	NP	<0.050	NP	NP	NP	NP
Pesticides -- beta-BHC	EPA 8081	µg/l	<0.050	<0.050	0.02	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NP	<0.050	<0.050	NP	<0.050	<0.050	<0.050	NP	<0.050	NP	<0.050	NP	NP	NP	NP
Pesticides -- gamma-BHC (Lindane)	EPA 8081	µg/l	<0.050	<0.050	0.03	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.28**	<0.050	<0.050	<0.050	NP	<0.050	<0.050	NP	<0.050	<0.050	**0.056**	NP	<0.050	NP	<0.050	NP	NP	NP	NP
Pesticides -- All Other	EPA 8081	µg/l	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NP	ND	ND	NP	ND	ND	ND	NP	ND	NP	ND	NP	NP	NP	NP
Herbicides -- Silvex	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NT	NP	NT	NT	NT	NP	NT	NP	NT	NP	NP	NP	NP
Herbicides -- All Other	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NT	NP	NT	NT	NT	NP	NT	NP	NT	NP	NP	NP	NP
Cyanide	SM 4500-CN-E	mg/l	0.005	0.005	0.07	<0.005	**0.0057**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NP	<0.005	<0.005	NP	<0.005	<0.005	<0.005	NP	<0.005	NP	<0.005	NP	NP	NP	NP

Sampled by Pace on August 27-29, 2012 (Pace Project #92129364)

CLASS -- COMPOUND	Method	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Pesticides -- 4,4'-DDT	EPA 8081	µg/l	*V*	*V*	0.1	<0.050	<0.2	<0.050	<0.2	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.2	<0.050	NP	<0.050	<0.050	NP	<0.050	<0.050	<0.050	NP	<0.050	NP	<0.050	NP	NP	NP	NP
Pesticides -- Heptachlor	EPA 8081	µg/l	*V*	*V*	0.008	<0.050	<0.2	<0.050	<0.2	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.2	<0.050	NP	<0.050	<0.050	NP	<0.050	<0.050	<0.050	NP	<0.050	NP	<0.050	NP	NP	NP	NP
Pesticides -- Methoxychlor	EPA 8081	µg/l	*V*	*V*	40	<0.15	<0.6	<0.15	<0.6	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.6	<0.15	NP	<0.15	<0.15	NP	<0.15	<0.15	<0.15	NP	<0.15	NP	<0.15	NP	NP	NP	NP
Pesticides -- Endosulfan sulfate	EPA 8081	µg/l	*V*	*V*	40	<0.050	<0.2	<0.050	<0.2	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.2	<0.050	NP	<0.050	<0.050	NP	<0.050	<0.050	<0.050	NP	<0.050	NP	<0.050	NP	NP	NP	NP
Pesticides -- beta-BHC	EPA 8081	µg/l	*V*	*V*	0.02	<0.050	<0.2	<0.050	<0.2	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.2	<0.050	NP	<0.050	<0.050	NP	<0.050	<0.050	<0.050	NP	<0.050	NP	<0.050	NP	NP	NP	NP
Pesticides -- gamma-BHC (Lindane)	EPA 8081	µg/l	*V*	*V*	0.03	<0.050	<0.2	<0.050	<0.2	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.2	<0.050	NP	<0.050	<0.050	NP	<0.050	<0.050	**0.084**	NP	<0.050	NP	<0.050	NP	NP	NP	NP
Pesticides -- All Other	EPA 8081	µg/l	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	**0.056**	ND	ND	ND	ND	ND	NP	ND	ND	NP	ND	ND	**0.15**	NP	ND	NP	ND	NP	NP	NP	NP
Herbicides -- Silvex	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NT	NP	NT	NT	NT	NP	NT	NP	NT	NP	NP	NP	NP
Herbicides -- All Other	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NT	NP	NT	NT	NT	NP	NT	NP	NT	NP	NP	NP	NP
Cyanide	SM 4500-CN-E	mg/l	0.005	0.005	0.07	**0.0053**	**0.0057**	<0.005	<0.005	**0.0057**	**0.0052**	**0.0055**	**0.005**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NP	<0.005	<0.005	NP	<0.005	<0.005	<0.005	NP	<0.005	NP	<0.005	NP	NP	NP	NP

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Shaded cells indicate exceedance of MCL.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).
Samples collected by Pace on dates specifed above

***V* = The laboratory report varies the MDL and RL from sample to sample**
NP = Not Present at the time of sampling
NA = Not Applicable
NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
ND = Not Detected

Prepared by: AWA/BPN
Checked by: TZS/PJVH

Table 3C (2013)
Pesticides, Herbicides, & Cyanide
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J12-1957-34

Sampled by Pace on February 18-21, 2013 (Pace Project 92148500 & 92148504)

CLASS -- COMPOUND	Method	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Pesticides -- 4,4'-DDT	EPA 8081	µg/l	0.05	0.05	0.1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- Heptachlor	EPA 8081	µg/l	0.05	0.05	0.008	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- Methoxychlor	EPA 8081	µg/l	0.15	0.15	40	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Pesticides -- Endosulfan sulfate	EPA 8081	µg/l	0.05	0.05	40	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- alpha-BHC	EPA 8081	µg/l	0.05	0.05	0.02	<0.050	<0.050	<0.050	**0.054**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- beta-BHC	EPA 8081	µg/l	0.05	0.05	0.02	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- gamma-BHC (Lindane)	EPA 8081	µg/l	0.05	0.05	0.03	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.051**	<0.050	<0.050	<0.050	**0.21**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.061**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- All Other	EPA 8081	µg/l	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides -- Silvex	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides -- All Other	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide	SM 4500-CN-E	mg/l	0.005	0.005	0.07	<0.005	**0.0064**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0053**	<0.005	**0.0056**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Sampled by Pace on August 20-26, 2013 (Pace Project #92169299)

CLASS -- COMPOUND	Method	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Pesticides -- 4,4'-DDT	EPA 8081	µg/l	0.05	0.05	0.1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- Heptachlor	EPA 8081	µg/l	0.05	0.05	0.008	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- Methoxychlor	EPA 8081	µg/l	0.15	0.15	40	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Pesticides -- Endosulfan sulfate	EPA 8081	µg/l	0.05	0.05	40	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- beta-BHC	EPA 8081	µg/l	0.05	0.05	0.02	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- gamma-BHC (Lindane)	EPA 8081	µg/l	0.05	0.05	0.03	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.10**
Pesticides -- All Other	EPA 8081	µg/l	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides -- Silvex	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides -- All Other	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide	SM 4500-CN-E	mg/l	0.0050	0.0050	0.07	<0.005	**0.0060**	**0.0063**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0057**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Shaded cells indicate exceedance of MCL.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).
Samples collected by Pace on dates specifed above

NA = Not Applicable
NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
ND = Not Detected

Prepared by: PJVH
Checked by: RAD

Table 3D (2014)
Pesticides, Herbicides, & Cyanide
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J13-1957-39

Sampled by Pace on February 20-26, 2014 (Pace Project 92190605, 92190677, 92191006 & 92191140)

CLASS -- COMPOUND	Method	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-23D	MW-24	MW-25
Pesticides -- 4,4'-DDT	EPA 8081	µg/l	0.05	0.05	0.1	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- Heptachlor	EPA 8081	µg/l	0.05	0.05	0.008	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.07**
Pesticides -- Methoxychlor	EPA 8081	µg/l	0.15	0.15	40	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Pesticides -- Endosulfan sulfate	EPA 8081	µg/l	0.05	0.05	40	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- alpha-BHC	EPA 8081	µg/l	0.05	0.05	0.02	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- beta-BHC	EPA 8081	µg/l	0.05	0.05	0.02	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Pesticides -- gamma-BHC (Lindane)	EPA 8081	µg/l	0.05	0.05	0.03	<0.050	<0.050	<0.050	**0.13**	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	**0.22**
Pesticides -- All Other	EPA 8081	µg/l	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Herbicides -- Silvex	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides -- All Other	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide	SM 4500-CN-E	mg/l	0.005	0.005	0.07	<0.005	<0.005	**0.0084**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	**0.0052**	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.006	<0.005	<0.005

Sampled by Pace on August TBD, 2014 (Pace Project TBD)

CLASS -- COMPOUND	Method	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-23D	MW-24	MW-25
Pesticides -- 4,4'-DDT	EPA 8081	µg/l	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Pesticides -- Heptachlor	EPA 8081	µg/l	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Pesticides -- Methoxychlor	EPA 8081	µg/l	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Pesticides -- Endosulfan sulfate	EPA 8081	µg/l	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Pesticides -- beta-BHC	EPA 8081	µg/l	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Pesticides -- gamma-BHC (Lindane)	EPA 8081	µg/l	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Pesticides -- All Other	EPA 8081	µg/l	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Herbicides -- Silvex	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides -- All Other	EPA 8151	µg/l	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cyanide	SM 4500-CN-E	mg/l	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Shaded cells indicate exceedance of MCL.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).
Samples collected by Pace on dates specifed above

NA = Not Applicable
NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
ND = Not Detected
DP = Data Pending

Prepared by: PJVH
Checked by: RAD

Table 4A (2011)
Total & Dissolved Metals Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J11-1957-25

Sampled by Pace on February 22, 2011 (Pace Projects 9288391 & 9288386)

TEST	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Total Antimony (Sb)	µg/l	2.6	5	NE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**5.1**	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Arsenic (As)	µg/l	2.7	5	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**5.8**	<5.0	**5.3**	<5.0	<5.0	<5.0	NP	**3.9**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Barium (Ba)	µg/l	0.2	5	700	**171**	**191**	**241**	**163**	**237**	**54**	**213**	**72.8**	**1190**	**193**	**138**	**197**	**977**	**309**	NP	**68.7**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Beryllium (Be)	µg/l	0.1	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.19**	<1.0	**3.6**	**0.51**	<1.0	<1.0	<1.0	<1.0	NP	<1.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cadmium (Cd)	µg/l	0.5	1	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NP	<1.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Chromium (Cr)	µg/l	0.4	5	10	<5.0	<5.0	<5.0	<5.0	<5.0	**2.5**	**3.7**	**6.3**	**161**	**17.6**	**1.7**	**8.1**	**1.8**	**3.7**	NP	**2.4**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cobalt (Co)	µg/l	0.6	5	NE	**10.5**	**55.5**	**110**	**13.5**	**16.8**	**1.3**	**5.4**	<5.0	**40.5**	**5.2**	**9.4**	**9.8**	**3.2**	**6.1**	NP	**2.6**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Copper (Cu)	µg/l	0.3	5	1,000	<5.0	<5.0	**5.1**	<5.0	**155**	**1.1**	**2.4**	**2.3**	**64.3**	**10.7**	<5.0	**3.2**	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Lead (Pb)	µg/l	4	5	15	<5.0	<5.0	<5.0	<5.0	**7.2**	<5.0	<5.0	<5.0	**16.2**	**6.3**	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Mercury (Hg)	µg/l	0.1	0.2	1	NT	NT	NT	NT	NT	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NP	<0.20	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Nickel (Ni)	µg/l	1.7	5	100	<5.0	<5.0	**39**	**5**	**5.4**	**8**	<5.0	**4.2**	**97.3**	**8.4**	<5.0	**7.6**	**15.9**	**7.5**	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Selenium (Se)	µg/l	3.8	10	20	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NP	<10.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Silver (Ag)	µg/l	0.1	5	20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**0.11**	<5.0	<5.0	<5.0	**0.34**	<5.0	**0.37**	**0.12**	NP	**0.45**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Thallium (Tl)	µg/l	3	5.4	NE	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	**4.3**	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	NP	<5.4	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Vanadium (V)	µg/l	0.2	5	NE	<5.0	<5.0	<5.0	**6.1**	<5.0	**2.6**	**4.3**	**5.6**	**205**	**22.8**	<5.0	**7.8**	<5.0	**0.38**	NP	**0.73**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Zinc (Zn)	µg/l	0.4	10	1,000	<10.0	<10.0	<10.0	**30.7**	**90.4**	**5.1**	**19.8**	**7.7**	**162**	**36.7**	**10.3**	**26.5**	**0.71**	**16**	NP	**5.6**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP

Sampled by Pace on August 23, 2011 (Pace Project 92100967)

TEST	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Total Antimony (Sb)	µg/l	2.6	5	NE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Antimony (Sb)	µg/l	2.6	5	NE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Arsenic (As)	µg/l	2.7	5	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**8.7**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Arsenic (As)	µg/l	2.7	5	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**5.6**	<5.0	**5.5**	**6.0**	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Barium (Ba)	µg/l	0.2	5	700	**189**	**189**	**214**	**133**	**280**	**66.8**	**1640**	**76.4**	**202**	**71.9**	**104**	**191**	**972**	**284**	NP	**57.7**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Barium (Ba)	µg/l	0.2	5	700	**174**	**150**	**132**	**120**	**208**	**33.9**	**161**	**62.2**	**47.4**	**51.6**	**88.1**	**136**	**902**	**240**	NP	**49.9**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Beryllium (Be)	µg/l	0.1	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NP	<1.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Beryllium (Be)	µg/l	0.1	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NP	<1.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cadmium (Cd)	µg/l	0.5	1	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NP	<1.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Cadmium (Cd)	µg/l	0.5	1	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NP	<1.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Chromium (Cr)	µg/l	0.4	5	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**105**	<5.0	**19.3**	<5.0	<5.0	**8.3**	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Chromium (Cr)	µg/l	0.4	5	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Cobalt (Co)	µg/l	0.6	5	NE	**8.9**	**45.4**	**51.9**	**6.8**	**9.7**	<5.0	**43.1**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Cobalt (Co)	µg/l	0.6	5	NE	**8.3**	**44.4**	**44.1**	**5.6**	**7.9**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Copper (Cu)	µg/l	0.3	5	1,000	<5.0	<5.0	**7.9**	<5.0	**7.3**	<5.0	**125**	<5.0	**7.9**	<5.0	**7.5**	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Copper (Cu)	µg/l	0.3	5	1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Lead (Pb)	µg/l	4	5	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**37.2**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Lead (Pb)	µg/l	4	5	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Mercury (Hg)	µg/l	0.1	0.2	1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Mercury (Hg)	µg/l	0.1	0.2	1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NP	NT	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Nickel (Ni)	µg/l	1.7	5	100	<5.0	**5.7**	**11.6**	**8.2**	**7.4**	**5.5**	**62.1**	<5.0	**10.9**	<5.0	**5.2**	**7.7**	**20.1**	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Nickel (Ni)	µg/l	1.7	5	100	<5.0	**6.4**	**7.9**	**8.7**	**6.5**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**21.1**	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Selenium (Se)	µg/l	0.1	10	20	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NP	<10.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Selenium (Se)	µg/l	3.8	10	20	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NP	<10.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Silver (Ag)	µg/l	0.1	5	20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Silver (Ag)	µg/l	0.1	5	20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Thallium (Tl)	µg/l	3	5.4	NE	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	NP	<5.4	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Thallium (Tl)	µg/l	3	10	NE	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NP	<10.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Vanadium (V)	µg/l	0.2	5	NE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**185**	<5.0	**23.1**	<5.0	<5.0	**8.1**	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Vanadium (V)	µg/l	0.2	5	NE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Total Zinc (Zn)	µg/l	0.4	10	1,000	<10.0	<10.0	**59.2**	<10.0	**16.9**	<10.0	**283**	<10.0	**15.9**	<10.0	**50.6**	<10.0	<10.0	**21.0**	NP	<10.0	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP
Dissolved Zinc (Zn)	µg/l	0.4	10	1,000	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**15.8**	<10.0	<10.0	**17.8**	NP	**52.7**	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Shaded cells indicate exceedance of MCL.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NP = Not Present at the time of sampling
NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Samples collected by Pace on dates specifed above
Analysis by EPA Methods 6010 & 7470

Prepared by: AWA
Checked by: TZS

Table 4B (2012)
Total Metals Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J11-1957-25

Sampled by Pace on February 21-22, 2012 (Pace Projects 92112617 & 92112760)

TEST	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Total Antimony (Sb)	µg/l	2.6	5	NE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	<5.0	NP	<5.0	<5.0	<5.0	NP	<5.0	NP	<5.0	NP	NP	NP	NP
Total Arsenic (As)	µg/l	2.7	5	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**3.1**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	<5.0	NP	<5.0	<5.0	<5.0	NP	<5.0	NP	<5.0	NP	NP	NP	NP
Total Barium (Ba)	µg/l	0.2	5	700	**222**	**266**	**175**	**134**	**214**	**48.7**	**207**	**62.7**	**126**	**102**	**90.2**	**196**	**970**	**237**	NP	**49.9**	**249**	NP	**93.5**	**135**	**141**	NP	**80.3**	NP	**56.3**	NP	NP	NP	NP
Total Beryllium (Be)	µg/l	0.1	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**0.20**	**0.25**	**0.28**	<1.0	**0.18**	<1.0	<1.0	NP	<1.0	<1.0	NP	<1.0	<1.0	<1.0	NP	<1.0	NP	<1.0	NP	NP	NP	NP
Total Cadmium (Cd)	µg/l	0.5	1	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NP	<1.0	<1.0	NP	<1.0	<1.0	<1.0	NP	<1.0	NP	<1.0	NP	NP	NP	NP
Total Chromium (Cr)	µg/l	0.4	5	10	**2.5**	**1.2**	**1.8**	**1.2**	**0.91**	**3.7**	**5.2**	**6.9**	**10.6**	**6.2**	**0.85**	**11.1**	**3.3**	**2.5**	NP	**0.78**	**5.7**	NP	<5.0	**7.3**	<5.0	NP	**6.4**	NP	<5.0	NP	NP	NP	NP
Total Cobalt (Co)	µg/l	0.6	5	NE	**10.1**	**30.9**	**54.0**	**5.7**	**5.8**	**0.90**	**1.6**	**1.6**	<5.0	<5.0	**2.3**	**2.1**	**5.5**	<5.0	NP	<5.0	<5.0	NP	<5.0	<5.0	<5.0	NP	<5.0	NP	<5.0	NP	NP	NP	NP
Total Copper (Cu)	µg/l	0.3	5	1,000	**4.0**	**1.1**	**2.4**	**2.0**	**1.9**	**2.3**	**3.9**	**5.7**	**6.9**	**4.2**	**1.5**	**8.3**	**2.0**	**2.7**	NP	**1.4**	**6.8**	NP	<5.0	**5.4**	<5.0	NP	**7.4**	NP	<5.0	NP	NP	NP	NP
Total Lead (Pb)	µg/l	4	5	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	<5.0	NP	<5.0	<5.0	<5.0	NP	<5.0	NP	<5.0	NP	NP	NP	NP
Total Mercury (Hg)	µg/l	0.1	0.2	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NP	<0.20	<0.20	NP	<0.20	<0.20	<0.20	NP	<0.20	NP	<0.20	NP	NP	NP	NP
Total Nickel (Ni)	µg/l	1.7	5	100	<5.0	<5.0	**11.0**	**9.2**	**4.8**	**3.3**	<5.0	**2.1**	**5.0**	**2.0**	**3.2**	**9.6**	**24.6**	**5.2**	NP	<5.0	<5.0	NP	<5.0	**6.2**	<5.0	NP	**5.9**	NP	<5.0	NP	NP	NP	NP
Total Selenium (Se)	µg/l	3.8	10	20	<10.0	**4.5**	**2.8**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**0.18**	**1.5**	**2.6**	<10.0	**0.66**	NP	<10.0	<10.0	NP	<10.0	<10.0	<10.0	NP	<10.0	NP	<10.0	NP	NP	NP	NP
Total Silver (Ag)	µg/l	0.1	5	20	**1.9**	**2.0**	**2.5**	**1.4**	**1.4**	**1.2**	**1.4**	**1.3**	**0.28**	**0.24**	**1.5**	**1.4**	**1.7**	**1.7**	NP	**1.8**	<5.0	NP	<5.0	<5.0	<5.0	NP	<5.0	NP	<5.0	NP	NP	NP	NP
Total Thallium (Tl)	µg/l	3	5.4	NE	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	**4.3**	<5.4	<5.4	<5.4	NP	<5.4	<5.4	NP	<5.4	<5.4	<5.4	NP	<5.4	NP	<5.4	NP	NP	NP	NP
Total Vanadium (V)	µg/l	0.2	5	NE	**0.84**	<5.0	<5.0	**1.5**	**1.4**	**3.9**	**4.9**	**8.8**	**12.5**	**8.6**	**1.2**	**14.1**	**5.0**	**1.1**	NP	**1.2**	**11.0**	NP	<5.0	**9.8**	**6.1**	NP	**7.6**	NP	<5.0	NP	NP	NP	NP
Total Zinc (Zn)	µg/l	0.4	10	1,000	**16.7**	**8.7**	**10.5**	**9.2**	**8.2**	**10.4**	**16.7**	**16.8**	**23.1**	**31.8**	**8.2**	**10.9**	**11.0**	**143**	NP	**5.0**	**21.4**	NP	**12.4**	**17.2**	**24.3**	NP	**26.9**	NP	**15.3**	NP	NP	NP	NP

Sampled by Pace on August 27-29, 2012 (Pace Project #92129364)

TEST	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Total Antimony (Sb)	µg/l	2.6	5	NE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	<5.0	NP	<5.0	<5.0	<5.0	NP	<5.0	NP	<5.0	NP	NP	NP	NP
Total Arsenic (As)	µg/l	2.7	5	10	**3.1**	**3.5**	**5.3**	**4.5**	**2.8**	<5.0	**3.1**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	NP	<5.0	<5.0	NP	<5.0	<5.0	<5.0	NP	**11.2**	NP	<5.0	NP	NP	NP	NP
Total Barium (Ba)	µg/l	0.2	5	700	**174**	**283**	**232**	**151**	**289**	**42.8**	**224**	**67.4**	**106**	**110**	**106**	**335**	**931**	**237**	NP	**64**	**184**	NP	**96.2**	**83.7**	**137**	NP	**615**	NP	**51**	NP	NP	NP	NP
Total Beryllium (Be)	µg/l	0.1	1	NE	<1.0	**0.13**	**0.19**	<1.0	**0.37**	<1.0	**0.15**	<1.0	**0.22**	**0.25**	<1.0	**0.56**	<1.0	<1.0	NP	<1.0	**0.12**	NP	**0.14**	**0.18**	**0.11**	NP	**1.1**	NP	**0.18**	NP	NP	NP	NP
Total Cadmium (Cd)	µg/l	0.5	1	2	<1.0	<1.0	**0.72**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NP	<1.0	<1.0	NP	<1.0	<1.0	<1.0	NP	**0.88**	NP	<1.0	NP	NP	NP	NP
Total Chromium (Cr)	µg/l	0.4	5	10	<5.0	**6.2**	**5.5**	**0.56**	**7.1**	**6.1**	**9.7**	**3.4**	**7.9**	**6.5**	**0.55**	**40.2**	**0.48**	<5.0	NP	<5.0	**0.92**	NP	**2.3**	**0.81**	**2.2**	NP	**56.3**	**0.4**	**2.4**	NP	NP	NP	NP
Total Cobalt (Co)	µg/l	0.6	5	NE	**8.5**	**40.0**	**104.0**	**9.6**	**17.3**	**1.40**	**5.1**	**1.1**	**1.6**	**1.6**	**4.1**	**11.7**	**15.8**	**2.8**	NP	**0.91**	**1.6**	NP	**1.2**	**1.4**	**2.2**	NP	**21.4**	NP	**1.4**	NP	NP	NP	NP
Total Copper (Cu)	µg/l	0.3	5	1,000	**0.92**	**5.6**	**9.2**	**1.6**	**16.2**	**0.65**	**5.6**	**1.4**	**3.9**	**5**	**1.5**	**17.3**	**0.86**	**0.74**	NP	**1.2**	**2.7**	NP	**1.7**	**1.2**	**2.5**	NP	**78.5**	NP	**1.6**	NP	NP	NP	NP
Total Lead (Pb)	µg/l	4	5	15	<5.0	<5.0	**5.4**	<5.0	**4.6**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**9.2**	<5.0	<5.0	NP	<5.0	<5.0	NP	<5.0	<5.0	<5.0	NP	**13.3**	NP	<5.0	NP	NP	NP	NP
Total Mercury (Hg)	µg/l	0.1	0.2	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NP	<0.20	<0.20	NP	<0.20	<0.20	**0.11**	NP	<0.20	NP	<0.20	NP	NP	NP	NP
Total Nickel (Ni)	µg/l	1.7	5	100	<5.0	**13.3**	**23.0**	**10.3**	**9.2**	**3.9**	**5.5**	<5.0	**5.0**	**3.1**	**4.0**	**22.3**	**34.9**	**2.5**	NP	<5.0	<5.0	NP	<5.0	**1.9**	<5.0	NP	**60.8**	NP	<5.0	NP	NP	NP	NP
Total Selenium (Se)	µg/l	0.1	10	20	**0.33**	**1.1**	**0.93**	<10.0	<10.0	<10.0	<10.0	**1.9**	<10.0	<10.0	<10.0	**1.5**	<10.0	<10.0	NP	<10.0	<10.0	NP	**0.97**	<10.0	<10.0	NP	**2.8**	NP	<10.0	NP	NP	NP	NP
Total Silver (Ag)	µg/l	0.1	5	20	**0.67**	**0.98**	**0.86**	**0.34**	**0.44**	<5.0	<5.0	<5.0	<5.0	<5.0	**0.45**	**0.18**	**0.56**	**0.27**	NP	**0.65**	**0.32**	NP	**0.24**	**0.23**	**0.2**	NP	**0.11**	NP	<5.0	NP	NP	NP	NP
Total Thallium (Tl)	µg/l	3	5.4	NE	<5.4	<5.4	<5.4	**3.8**	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	NP	<5.4	<5.4	NP	<5.4	<5.4	<5.4	NP	<5.4	NP	<5.4	NP	NP	NP	NP
Total Vanadium (V)	µg/l	0.2	5	NE	<5.0	**8.1**	**5.9**	**2.4**	**14.7**	**1.2**	**9.9**	**3.4**	**10.6**	**10**	**1.7**	**49.0**	**1.1**	**0.2**	NP	**1.3**	**5.5**	NP	**4.2**	**2.7**	**3.4**	NP	**86.2**	NP	**2.7**	NP	NP	NP	NP
Total Zinc (Zn)	µg/l	0.4	10	1,000	**7.0**	**28.0**	**194**	**1.7**	**12.7**	**37.8**	**20.3**	**14.5**	**10.4**	**19.5**	**2.0**	**21.0**	**10.8**	**12.4**	NP	<10.0	**2.2**	NP	**2.3**	<10.0	**13.6**	NP	**198**	NP	**11.7**	NP	NP	NP	NP

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Shaded cells indicate exceedance of MCL.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NP = Not Present at the time of sampling
NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Samples collected by Pace on dates specifed above
Analysis by EPA Methods 6010 & 7470

Prepared by: AWA/BPN
Checked by: TZS/PJVH

Table 4C (2013)
Total Metals Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J12-1957-34

Sampled by Pace on February 18-21, 2013 (Pace Projects 92148500 & 92148504)

TEST	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Total Antimony (Sb)	µg/l	2.6	5	NE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Total Arsenic (As)	µg/l	2.7	10	10	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	3.2	<10.0	3.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	7.2	<10.0	<10.0
Total Barium (Ba)	µg/l	0.20	5	700	267	221	172	128	229	16.2	200	41.3	75.7	86.0	95.5	216	815	238	34.6	42.6	118	56.1	65.6	91.5	131	265	100	54.5	45.6	103	1470	31.6	64.6
Total Beryllium (Be)	µg/l	0.10	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.1	<1.0	<1.0	0.12	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	0.14	<1.0	0.12	<1.0	2.5	<1.0	<1.0
Total Cadmium (Cd)	µg/l	0.50	1	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	2.4	<1.0	<1.0
Total Chromium (Cr)	µg/l	0.40	5	10	<5.0	<5.0	<5.0	<5.0	1.5	0.44	3.9	4.9	2.9	3.6	<5.0	16.0	0.51	1.9	<5.0	<5.0	<5.0	6.0	1.7	2.6	3.0	<1.0	7.0	<1.0	1.9	<1.0	292	<1.0	51.4
Total Cobalt (Co)	µg/l	0.60	5	NE	26.1	49.7	84.3	6.0	14.8	<5.0	<5.0	<5.0	<5.0	0.61	4.3	7.0	20.7	6.2	<5.0	0.97	0.72	<5.0	0.61	2.1	1.0	<5.0	3.2	<5.0	1.6	<5.0	72.7	<5.0	<5.0
Total Copper (Cu)	µg/l	0.30	5	1,000	1.6	3.8	12.8	1.4	7.3	<5.0	<5.0	0.89	0.64	1.9	1.7	9.0	0.96	2.4	<5.0	1.4	1.5	<5.0	1.8	2.7	<5.0	<5.0	8.8	<5.0	0.5	<5.0	207	<5.0	12.3
Total Lead (Pb)	µg/l	4.0	5	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	5.4	<5.0	<5.0
Total Mercury (Hg)	µg/l	0.10	0.2	1	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total Nickel (Ni)	µg/l	1.7	5	100	2.4	2.6	11.9	<5.0	6.0	<5.0	2.0	2.2	1.9	2.1	2.7	11.3	36.5	2.0	<5.0	<5.0	<5.0	<5.0	<5.0	2.8	2.7	6.6	8.4	<5.0	<5.0	<5.0	104	<5.0	18.5
Total Selenium (Se)	µg/l	0.10	10	20	1.4	4.2	6.8	2.5	1.3	<10.0	3.5	2.3	3.4	<10.0	<10.0	0.84	<10.0	<10.0	<10.0	<10.0	3.1	<10.0	2.5	4.7	1.1	<10.0	2.2	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Total Silver (Ag)	µg/l	0.10	5	20	<5.0	<5.0	<5.0	0.52	0.59	<5.0	0.63	0.39	<5.0	0.45	0.68	0.44	0.68	0.71	<5.0	0.70	0.55	<5.0	0.63	0.57	0.59	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Total Thallium (Tl)	µg/l	3.0	5.4	NE	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
Total Vanadium (V)	µg/l	0.20	5	NE	<5.0	<5.0	<5.0	<5.0	4.1	0.55	2.7	5.3	3.0	4.9	<5.0	20.8	0.85	0.61	6.2	<5.0	0.88	<5.0	1.0	2.9	3.5	<5.0	10.6	5.1	1.3	<5.0	393	<5.0	24.5
Total Zinc (Zn)	µg/l	0.40	10	1,000	123	25.7	14.2	24.0	11.5	19.5	9.2	20.2	5.9	7.8	9.9	13.6	5.6	13.7	<10.0	3.3	7.1	<10.0	4.9	12.4	5.6	<10.0	24.8	21.4	7.6	<10.0	195	<10.0	39.2

Sampled by Pace on August 20-26, 2013 (Pace Project #92169299)

TEST	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-24	MW-25
Total Antimony (Sb)	µg/l	2.6	5.0	NE	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
Total Arsenic (As)	µg/l	2.7	10.0	10	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	2.8	<2.7	<2.7	<2.7	<2.7	3.8	<2.7	3.2	3.1	<2.7	<2.7	<2.7	3.2	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	4.2
Total Barium (Ba)	µg/l	0.20	5.0	700	264	259	149	163	255	23.7	204	50.7	79.8	77.5	111	207	854	281	30.9	45.1	97.1	36.4	48.8	135	112	264	58.9	253	49.6	96.6	283	42.0	106
Total Beryllium (Be)	µg/l	0.10	1.0	NE	<0.10	<0.10	<0.10	<0.10	<0.10	0.36	0.34	0.34	0.45	0.40	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	0.34	0.44	0.38	0.44	1.1	0.40	0.44	0.47	0.39	<0.10
Total Cadmium (Cd)	µg/l	0.50	1.0	2	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Total Chromium (Cr)	µg/l	0.40	5.0	10	<0.40	<0.40	<0.40	1.3	2.8	0.64	3.7	3.5	3.7	2.0	<0.40	6.0	1.4	9.9	0.76	<0.40	0.58	2.1	2.9	6.6	0.95	3.9	3.1	23.8	2.8	3.5	40.6	2.1	151
Total Cobalt (Co)	µg/l	0.60	5.0	NE	52.6	155	90.7	11.9	26.6	0.80	3.0	1.4	2.8	1.8	5.3	5.8	16.9	19.5	<0.6	1.6	1.2	1.7	0.7	7.4	2.5	13.3	4.6	23.7	2.8	5.4	22.0	2.1	<0.6
Total Copper (Cu)	µg/l	0.30	5.0	1,000	2.4	0.44	0.99	1.0	8.4	<0.3	1.9	1.2	1.6	1.4	2.1	6.3	0.88	8.1	0.36	0.59	<0.3	1.4	<0.3	5.6	0.36	1.9	3.8	28.0	1.7	0.77	25.9	1.1	3.3
Total Lead (Pb)	µg/l	4.0	5.0	15	<4.0	4.1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	5.7	<4.0	<4.0	<4.0	<4.0	<4.0
Total Mercury (Hg)	µg/l	0.10	0.2	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Total Nickel (Ni)	µg/l	1.70	5.0	100	<1.7	<1.7	4.4	10.1	8.1	<1.7	<1.7	<1.7	<1.7	<1.7	2.5	5.1	32.2	7.9	<1.7	<1.7	<1.7	<1.7	<1.7	6.3	<1.7	6.2	3.3	11.7	<1.7	2.6	14.3	<1.7	<1.7
Total Selenium (Se)	µg/l	0.10	10.0	20	3.1	4.0	<0.1	<0.1	0.43	<0.1	3.7	3.4	<0.1	<0.1	5.2	3.5	<0.1	<0.1	<0.1	<0.1	0.44	<0.1	<0.1	<0.1	4.1	<0.1	<0.1	0.54	<0.1	<0.1	<0.1	<0.1	6.4
Total Silver (Ag)	µg/l	0.10	5.0	20	<0.10	<0.10	<0.10	<0.10	0.21	0.61	0.85	0.38	0.62	0.67	0.31	0.12	0.40	0.54	0.23	0.15	<0.10	<0.10	<0.10	<0.10	0.56	1.4	0.47	0.54	0.51	0.51	0.62	0.41	1.8
Total Thallium (Tl)	µg/l	3.0	5.4	NE	<3.0	<3.0	<3.0	<3.0	<3.0	5.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	3.6	<3.0	<3.0	<3.0	<3.0
Total Vanadium (V)	µg/l	0.20	5.0	NE	<0.20	<0.20	<0.20	1.1	2.7	1.3	3.6	3.3	6.0	3.7	<0.20	6.8	6.6	14.8	2.1	0.37	1.6	1.8	1.4	8.8	2.0	4.0	5.8	37.2	4.4	4.0	67.9	3.3	<0.20
Total Zinc (Zn)	µg/l	0.40	10.0	1,000	14.8	5.4	7.3	7.3	29.0	34.3	10.8	14.1	11.6	17.1	7.0	11.0	12.8	37.6	5.8	3.6	6.5	5.9	5.1	21.8	22.1	102	45.0	129	11.4	25.5	102	34.7	12.1

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Shaded cells indicate exceedance of MCL.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NP = Not Present at the time of sampling
NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Samples collected by Pace on dates specifed above
Analysis by EPA Methods 6010 & 7470

Prepared by: PJVH
Checked by: RAD

Table 4D (2014)
Total Metals Data
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J13-1957-39

Sampled by Pace on February 20-26, 2014 (Pace Project 92190605, 92190677, 92191006 & 92191140)

TEST	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-23D	MW-24	MW-25
Total Antimony (Sb)	µg/l	2.6	5	NE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Total Arsenic (As)	µg/l	2.7	10	10	<10.0	**9.3**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Total Barium (Ba)	µg/l	0.20	5	700	**215**	**253**	**159**	**149**	**210**	**16.8**	**214**	**13.0**	**92.5**	**97.3**	**85.3**	**185**	**823**	**240**	**42.4**	**40.1**	**176**	**38.6**	**48.8**	**80.1**	**183**	**278**	**32.5**	**109**	**122**	**74.7**	**86.9**	**70.8**	**42.8**	**19.2**
Total Beryllium (Be)	µg/l	0.10	1	NE	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Cadmium (Cd)	µg/l	0.50	1	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Total Chromium (Cr)	µg/l	0.40	5	10	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**6.5**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**10.8**	**11.0**	<5.0	<5.0	<5.0	<5.0	<5.0
Total Cobalt (Co)	µg/l	0.60	5	NE	**18.3**	**36.6**	**48.8**	**8.5**	**6.9**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**11.9**	<5.0	<5.0	<5.0	**5.6**	<5.0	<5.0	<5.0	**10.2**	**13.9**	<5.0	<5.0	**6.0**	<5.0	<5.0	<5.0	<5.0	<5.0
Total Copper (Cu)	µg/l	0.30	5	1,000	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**10.8**	**8.3**	<5.0	<5.0	<5.0	<5.0	<5.0
Total Lead (Pb)	µg/l	4.0	5	15	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Total Mercury (Hg)	µg/l	0.10	0.2	1	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Total Nickel (Ni)	µg/l	1.7	5	100	<5.0	<5.0	**6.2**	**8.1**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**8.0**	**28.6**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**6.5**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Total Selenium (Se)	µg/l	0.10	10	20	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Total Silver (Ag)	µg/l	0.10	5	20	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Total Thallium (Tl)	µg/l	3.0	5.4	NE	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	**6.4**	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4	<5.4
Total Vanadium (V)	µg/l	0.20	5	NE	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**6.5**	**7.6**	<5.0	**7.4**	**6.2**	<5.0	<5.0	<5.0	**12.8**	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	**15.8**	**16.5**	<5.0	**5.3**	<5.0	<5.0	**9.2**
Total Zinc (Zn)	µg/l	0.40	10	1,000	<10.0	<10.0	**19.2**	<10.0	<10.0	<10.0	**54.0**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**14.0**	<10.0	<10.0	<10.0	**12.5**	<10.0	<10.0	**42.2**	**22.2**	**35.2**	<10.0	<10.0	**13.8**	<10.0

Sampled by Pace on August TBD, 2014 (Pace Project TBD)

TEST	UNITS	MDL	RL	MCL	MW-1A	MW-2A	MW-3A	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-14	MW-14D	MW-15	MW-16	MW-16D	MW-17	MW-18	MW-19	MW-19D	MW-20	MW-20D	MW-21	MW-22	MW-23	MW-23D	MW-24	MW-25
Total Antimony (Sb)	µg/l	2.6	5.0	NE	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Arsenic (As)	µg/l	2.7	10.0	10	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Barium (Ba)	µg/l	0.20	5.0	700	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Beryllium (Be)	µg/l	0.10	1.0	NE	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Cadmium (Cd)	µg/l	0.50	1.0	2	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Chromium (Cr)	µg/l	0.40	5.0	10	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Cobalt (Co)	µg/l	0.60	5.0	NE	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Copper (Cu)	µg/l	0.30	5.0	1,000	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Lead (Pb)	µg/l	4.0	5.0	15	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Mercury (Hg)	µg/l	0.10	0.2	1	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Nickel (Ni)	µg/l	1.70	5.0	100	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Selenium (Se)	µg/l	0.10	10.0	20	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Silver (Ag)	µg/l	0.10	5.0	20	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Thallium (Tl)	µg/l	3.0	5.4	NE	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Vanadium (V)	µg/l	0.20	5.0	NE	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP
Total Zinc (Zn)	µg/l	0.40	10.0	1,000	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP	DP

Notes:
MDL = Laboratory Method Detection Limit
RL = Laboratory Report Limit
MCL = Maximum Contaminant Level, as established in the NCDENR Classifications of Water Quality Standards Applicable to Groundwaters of North Carolina, Section 15A NCAC 2L.202.
Shaded cells indicate exceedance of MCL.
Refer to the laboratory data sheets for detected concentrations which are J values (estimated values above MDL but below RL).

NP = Not Present at the time of sampling
NT = Not Tested
NE = Not Established; North Carolina has not established a MCL
Samples collected by Pace on dates specifed above
Analysis by EPA Methods 6010 & 7470
DP = Data Pending

Prepared by: PJVH
Checked by: RAD

Table 5A
Groundwater Sampling Matrix
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J13-1957-39

Well	Lat. North (dd)	Long. West (dd)	App II VOCs EPA 8260	SVOCs EPA 8270	App I Total Metals EPA 6010	Dissolved Metals EPA 6010/7470	Pesticides EPA 8081	Herbicides EPA 8151	PCBs EPA 8082	Sulfide SM 4500-S2D	Cyanide SM 4500-CN-E
MW-1	35.505892476	82.958166600	No	No	No	No	No	No	No	No	No
MW-1A	35.506035959	82.958960455	Yes	No	Yes	No	No	No	No	No	Yes
MW-2A	35.505447169	82.956471743	Yes	No	Yes	No	Yes	No	No	No	Yes
MW-3A	35.504302294	82.955704601	Yes	No	Yes	No	No	No	No	No	Yes
MW-4	35.502840483	82.958258973	Yes	No	Yes	No	Yes	No	No	No	No
MW-5	35.502464177	82.958501150	Yes	No	Yes	No	No	No	No	No	Yes
MW-6	35.507007166	82.958723254	Yes	No	Yes	No	No	No	No	No	Yes
MW-7	35.506667347	82.957305699	Yes	No	Yes	No	Yes	No	No	No	Yes
MW-8	35.506214483	82.955920712	Yes	No	Yes	No	No	No	No	No	Yes
MW-9	35.505397531	82.954853325	Yes	No	Yes	No	Yes	No	No	No	No
MW-10	35.504410017	82.954568656	Yes	No	Yes	No	No	No	No	No	No
MW-11	35.503120939	82.957171928	Yes	No	Yes	No	Yes	No	No	No	Yes
MW-12	35.501892082	82.958559051	Yes	No	Yes	No	No	No	No	No	No
MW-13	35.502673138	82.959775795	Yes	No	Yes	No	Yes	No	No	No	Yes
MW-14	35.504089518	82.959967696	Yes	No	Yes	No	Yes	No	No	No	Yes
MW-14D	35.504044931	82.959967268	Yes	No	Yes	No	No	No	No	No	No
MW-15	35.505323343	82.959552125	Yes	No	Yes	No	No	No	No	No	Yes
MW-16	35.502159358	82.960874268	Yes	No	Yes	No	No	No	No	No	No
MW-16D	35.502129896	82.960839270	Yes	No	Yes	No	No	No	No	No	No
MW-17	35.503598911	82.961884951	Yes	No	Yes	No	No	No	No	No	No
MW-18	35.504737902	82.961677540	Yes	No	Yes	No	No	No	No	No	No
MW-19	35.507123544	82.957192901	Yes	No	Yes	No	Yes	No	No	No	No
MW-19D	35.507088639	82.957213494	Yes	No	Yes	No	Yes	No	No	No	No
MW-20	35.504496365	82.954109418	Yes	No	Yes	No	No	No	No	No	No
MW-20D	35.504495795	82.954138746	Yes	No	Yes	No	No	No	No	No	No
MW-21	35.502956636	82.955043604	Yes	No	Yes	No	No	No	No	No	No
MW-22	35.501647029	82.963316321	Yes	No	Yes	No	No	No	No	No	No
MW-23	35.507695290	82.956901959	Yes	No	Yes	No	No	No	No	No	No
MW-23D	35.507731029	82.956882336	Yes	No	Yes	No	No	No	No	No	No
MW-24	35.504639177	82.953652291	Yes	No	Yes	No	No	No	No	No	No
MW-25	35.503043453	82.957808429	Yes	No	Yes	No	Yes	No	No	No	No

Notes:
(1) MW-1 is typically dry and cannot be sampled
(2) VOCs = Volatile Organic Compounds (Appendix II List)
(3) SVOCs = Semi-Volatile Organic Compounds
(4) Total metals includes 15 metals (excludes mercury)
(5) EPA or SM #### = Environmental Protection Agency or Standard Method analysis method code
(6) GPS coordinates converted from N&E survey data provided by McGill Associates
(7) dd - decimal degrees

Prepared by: AWA
Checked by: MSP

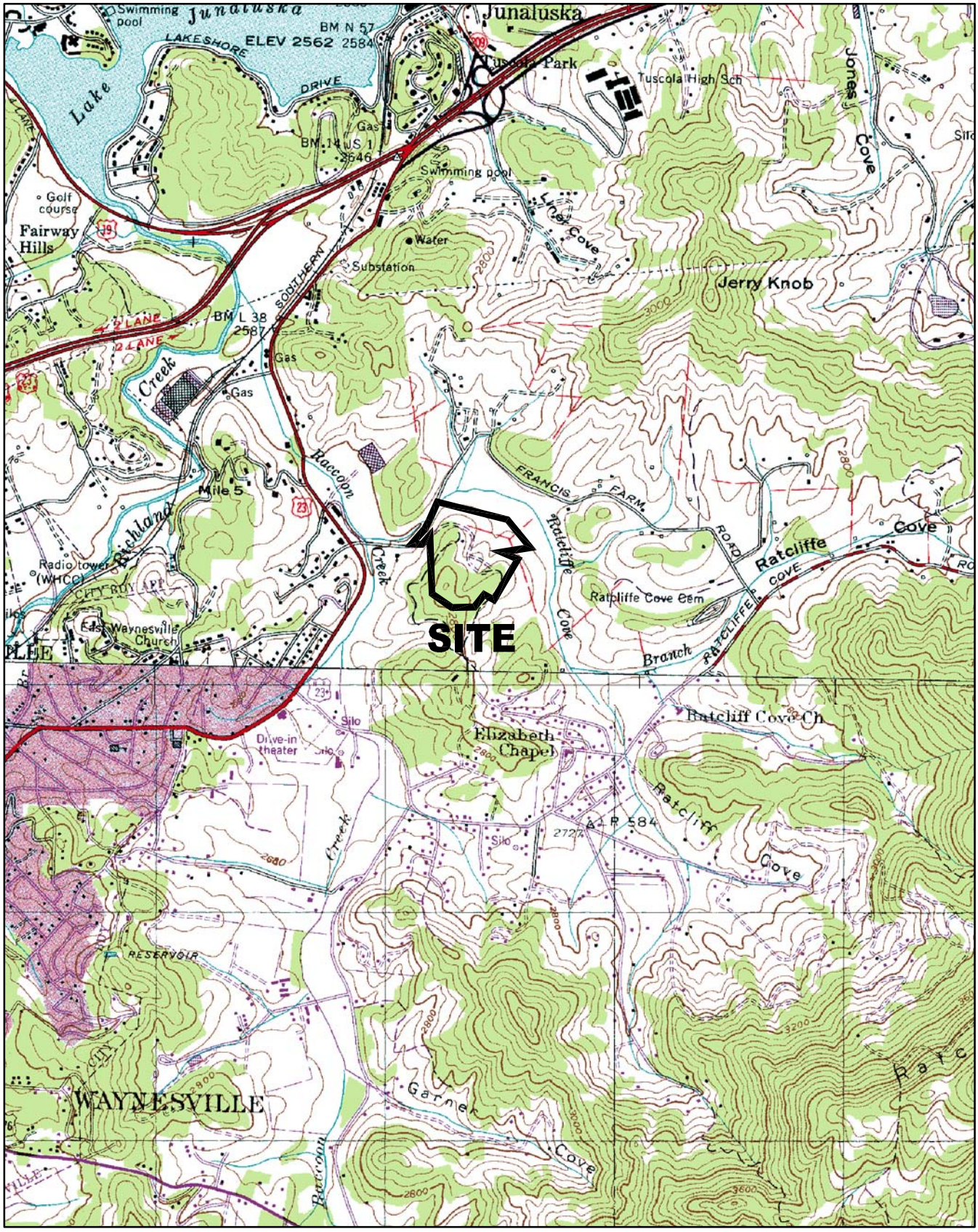
Table 5B
Surface Water Sampling Matrix
Closed Francis Farm Landfill
Haywood County, North Carolina
Permit Number 44-03
BLE Project No. J13-1957-39

Location	Lat. North (dd)	Long. West (dd)	App II VOCs EPA 8260	App I Total Metals EPA 6010	Pesticides EPA 8081	Cyanide SM 4500-CN-E	pH Field	Sp. Cond. Field	Temp. Field
US-1	**35.50145**	**82.95387**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
DS-1	**35.50449**	**82.95406**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
DS-2	**35.50726**	**82.95746**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
DS-3	**35.50513**	**82.96319**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**

Notes:
(1) VOCs = Volatile Organic Compounds (Appendix II List)
(2) Total metals includes 15 metals (excludes mercury)
(3) EPA or SM #### = Environmental Protection Agency or Standard Method analysis method code
(4) GPS coordinates measured by BLE via hand-held GPS receiver on January 16, 2014
(5) dd - decimal degrees

Prepared by: AWA
Checked by: MSP

FIGURES

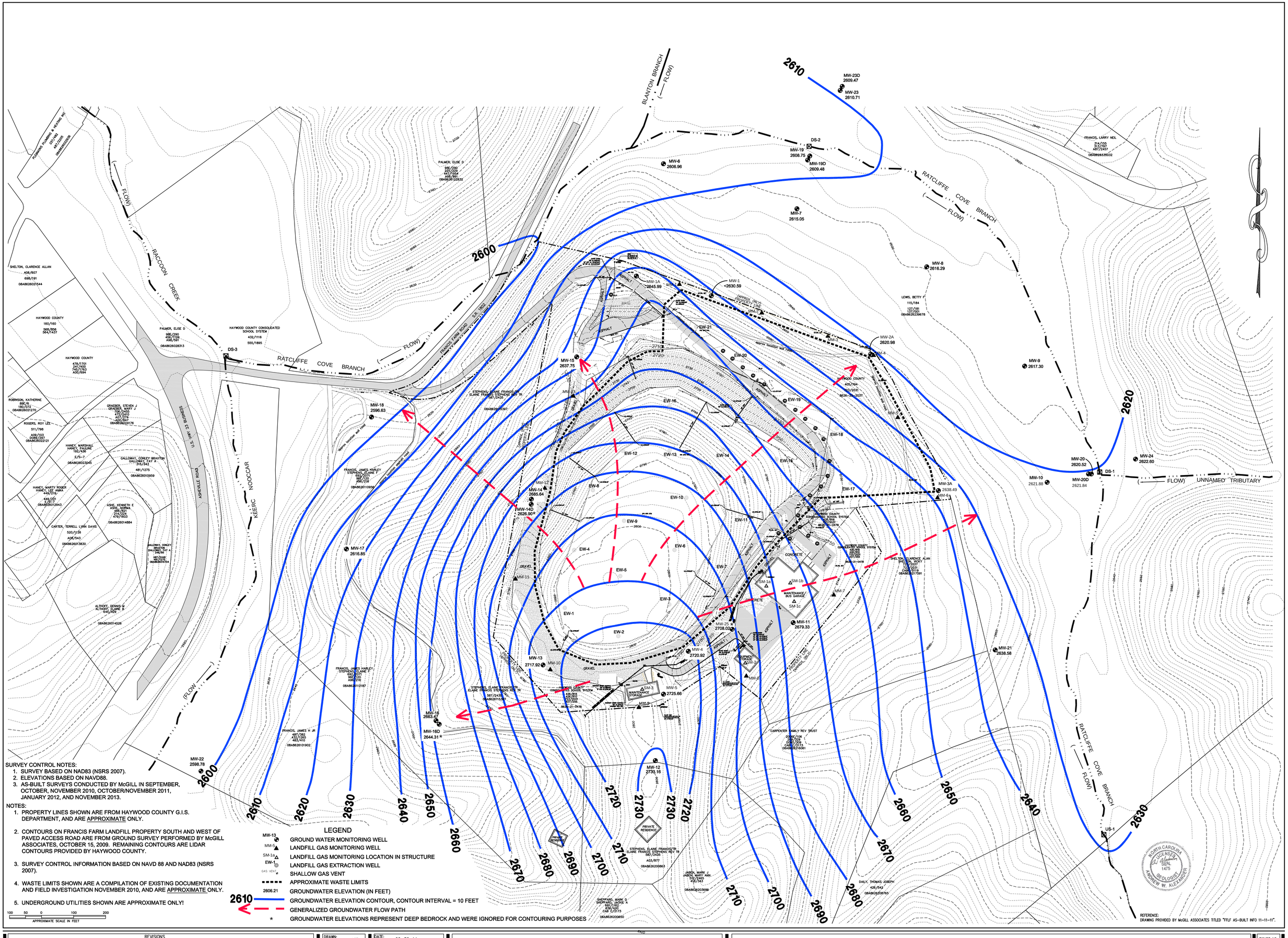


2000 1000 0 2000 4000

APPROXIMATE SCALE IN FEET

REFERENCE:
USGS TOPOGRAPHIC MAP, 7.5 MINUTE SERIES, CLYDE AND WAYNESVILLE, N.C. QUADRANGLES, 1978 AND PHOTOREVISED 1979.

DRAWN: ACE	DATE: 06-30-14	BLE INC. BUNNELL-LAMMONS ENGINEERING, INC. 6004 PONDERS COURT GREENVILLE, SOUTH CAROLINA 29615 PHONE: (864)288-1265 FAX: (864)288-4430	**SITE LOCATION MAP** HAYWOOD COUNTY LANDFILL CLOSED FRANCIS FARM LANDFILL HAYWOOD COUNTY, NORTH CAROLINA	FIGURE
CHECKED: AWA	CAD: FIG 1 FFLF-39 SLM			1
APPROVED:	JOB NO: J13-1957-39			



SURVEY CONTROL NOTES:

1. SURVEY BASED ON NAD83 (NSRS 2007).
2. ELEVATIONS BASED ON NAVD88.
3. AS-BUILT SURVEYS CONDUCTED BY McGILL IN SEPTEMBER, OCTOBER, NOVEMBER 2010, OCTOBER/NOVEMBER 2011, JANUARY 2012, AND NOVEMBER 2013.

NOTES:

1. PROPERTY LINES SHOWN ARE FROM HAYWOOD COUNTY G.I.S. DEPARTMENT, AND ARE APPROXIMATE ONLY.
2. CONTOURS ON FRANCIS FARM LANDFILL PROPERTY SOUTH AND WEST OF PAVED ACCESS ROAD ARE FROM GROUND SURVEY PERFORMED BY McGILL ASSOCIATES, OCTOBER 15, 2009. REMAINING CONTOURS ARE LIDAR CONTOURS PROVIDED BY HAYWOOD COUNTY.
3. SURVEY CONTROL INFORMATION BASED ON NAVD 88 AND NAD83 (NSRS 2007).
4. WASTE LIMITS SHOWN ARE A COMPILATION OF EXISTING DOCUMENTATION AND FIELD INVESTIGATION NOVEMBER 2010, AND ARE APPROXIMATE ONLY.
5. UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY!

100 50 0 100 200
APPROXIMATE SCALE IN FEET

LEGEND

MW-19	GROUND WATER MONITORING WELL
MM-5	LANDFILL GAS MONITORING WELL
SM-1a	LANDFILL GAS MONITORING LOCATION IN STRUCTURE
EW-1	LANDFILL GAS EXTRACTION WELL
GAS VENT	SHALLOW GAS VENT
	APPROXIMATE WASTE LIMITS
2606.21	GROUNDWATER ELEVATION (IN FEET)
2610	GROUNDWATER ELEVATION CONTOUR, CONTOUR INTERVAL = 10 FEET
	GENERALIZED GROUNDWATER FLOW PATH
*	GROUNDWATER ELEVATIONS REPRESENT DEEP BEDROCK AND WERE IGNORED FOR CONTOURING PURPOSES

REFERENCE:
DRAWING PROVIDED BY McGILL ASSOCIATES TITLED "FFLF AS-BUILT INFO 11-11-11".

REVISIONS		
No.	DESCRIPTION	BY

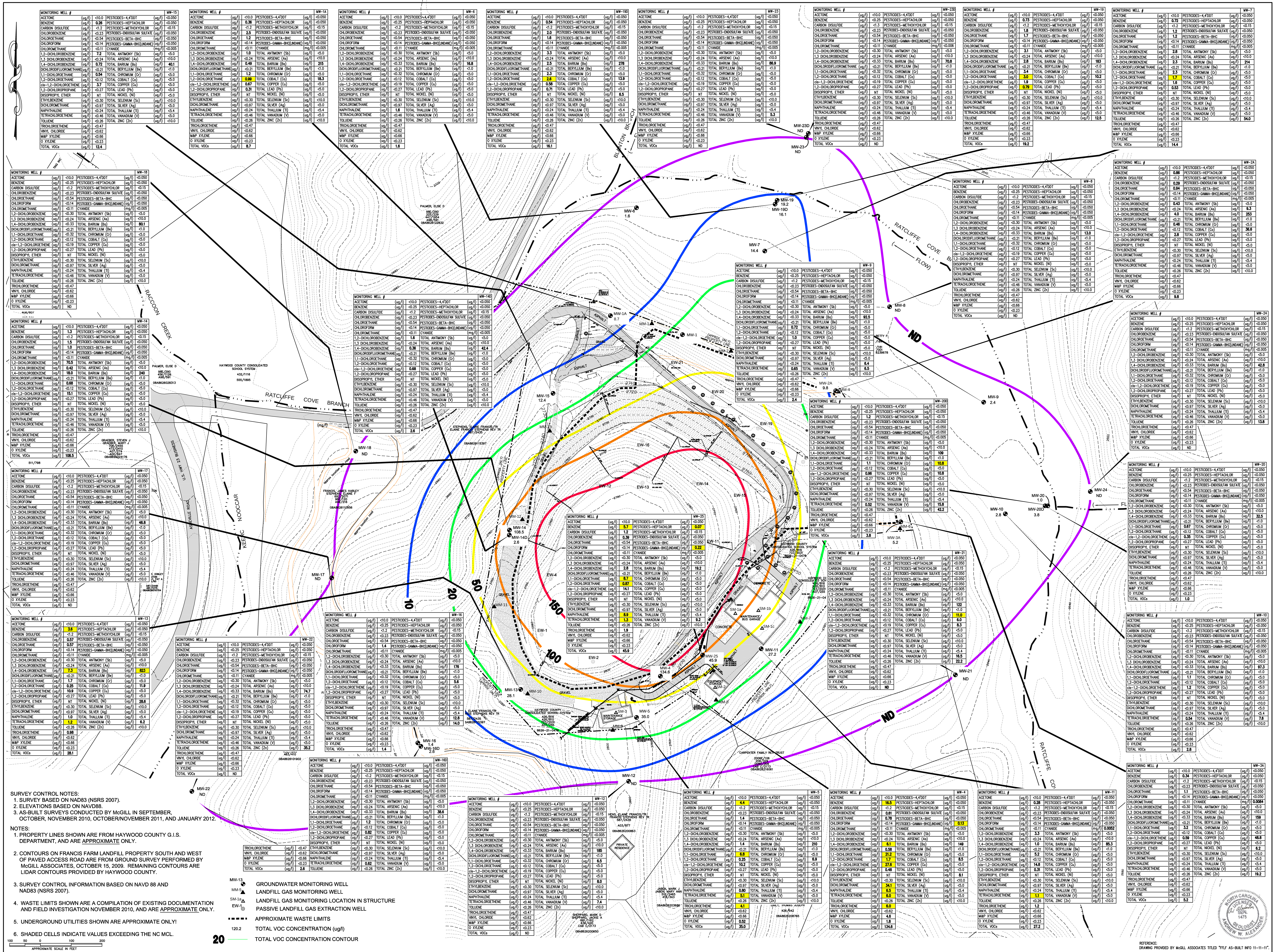
DRAWN: ACE
CHECKED: PJVH
APPROVED:

DATE: 06-30-14
CAD FILE: FIG 2 FFLF-39 GEOM FEB 2014
JOB NO: J13-1957-39

BLE INC.
BUNNELL-LAMMONS ENGINEERING, INC.
6004 PONDERS COURT
GREENVILLE, SOUTH CAROLINA 29615
PHONE: (864)288-2285 - FAX: (864)288-4480

GROUNDWATER ELEVATION CONTOUR MAP – FEBRUARY 19, 2014
CLOSED FRANCIS FARM LANDFILL
HAYWOOD COUNTY, NORTH CAROLINA

FIGURE NO.
2



MONITORING WELL #					MW-15
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	0.26	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	7.2	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	0.72	TOTAL BARIUM (Ba)	(ug/l)	40.1
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	0.54	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	3.7	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	12.4			

MONITORING WELL #					MW-1A
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	0.36	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	2.5	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	1.2	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	1.0	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	0.49	TOTAL BARIUM (Ba)	(ug/l)	215
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	1.2	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	0.99	TOTAL COBALT (Co)	(ug/l)	18.3
cis-1,2-DICHLOROETHENE	(ug/l)	0.67	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	0.31	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	8.7			

MONITORING WELL #					MW-6
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	16.8
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	1.6	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	1.6			

MONITORING WELL #					MW-19D
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	0.54	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	2.0	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	1.6	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	3.3	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	2.5	TOTAL BARIUM (Ba)	(ug/l)	278
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	2.3	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	2.6	TOTAL COBALT (Co)	(ug/l)	13.9
cis-1,2-DICHLOROETHENE	(ug/l)	0.58	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	0.71	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	6.5
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	16.1			

MONITORING WELL #					MW-23
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	86.9
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	5.3
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	ND			

MONITORING WELL #					MW-23D
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.3	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.006
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	70.8
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	ND			

MONITORING WELL #					MW-19
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	0.73	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	1.8	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	1.7	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	3.1	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	2.8	TOTAL BARIUM (Ba)	(ug/l)	183
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	3.4	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	3.0	TOTAL COBALT (Co)	(ug/l)	10.2
cis-1,2-DICHLOROETHENE	(ug/l)	1.9	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	0.79	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	12.5
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	19.2			

MONITORING WELL #					MW-7
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	0.72	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	1.2	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	1.2	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	2.8	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	2.3	TOTAL BARIUM (Ba)	(ug/l)	214
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	2.3	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	1.7	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	1.6	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	0.53	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	54.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	14.4			

MONITORING WELL #					MW-18
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	80.1
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	ND			

MONITORING WELL #					MW-14
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	1.3	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	1.5	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	1.0	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	70.5	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	0.42	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	18.0	TOTAL BARIUM (Ba)	(ug/l)	240
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	0.68	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	15.1	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	108.5			

MONITORING WELL #					MW-14D
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	1.6	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	0.36	TOTAL BARIUM (Ba)	(ug/l)	42.4
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	0.68	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	2.6			

MONITORING WELL #					MW-9
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	92.5
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	0.72	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	1.0	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	6.4
TETRACHLOROETHENE	(ug/l)	0.65	TOTAL VANADIUM (V)	(ug/l)	6.5
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	2.4			

MONITORING WELL #					MW-8
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	13.0
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	ND			

MONITORING WELL #					MW-2A
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	0.86	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	0.29	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	0.94	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	0.43	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	9.3
1,4-DICHLOROBENZENE	(ug/l)	4.0	TOTAL BARIUM (Ba)	(ug/l)	253
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	0.46	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	36.6
cis-1,2-DICHLOROETHENE	(ug/l)	2.8	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	9.8			

MONITORING WELL #					MW-24
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	42.8
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	13.8
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	ND			

MONITORING WELL #					MW-20D
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	109
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	1.1	TOTAL CHROMIUM (Cr)	(ug/l)	10.8
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	0.96	TOTAL COPPER (Cu)	(ug/l)	10.8
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	0.52	TOTAL VANADIUM (V)	(ug/l)	15.8
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	42.2
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	3.8			

MONITORING WELL #					MW-20
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	32.5
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	0.67	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	0.35	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	1.0			

MONITORING WELL #					MW-17
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	48.8
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	ND			

MONITORING WELL #					MW-25
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	5.7	PESTICIDES-HEPTACHLOR	(ug/l)	0.07
CARBON DISULFIDE	(ug/l)	1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	0.39	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	0.22
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	2.8	TOTAL BARIUM (Ba)	(ug/l)	19.2
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	8.7	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	0.87	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	14.1	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	8.9	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	1.3	TOTAL VANADIUM (V)	(ug/l)	9.2
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	1.9			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	45.9			

MONITORING WELL #					MW-21
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	122
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	11.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	6.0
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	8.3
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	16.5
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	22.2
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	ND			

MONITORING WELL #					MW-10
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	97.3
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	1.1	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	1.2	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	0.54	TOTAL VANADIUM (V)	(ug/l)	7.6
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	2.8			

MONITORING WELL #					MW-13
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	3.6	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	0.57	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	0.57	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	7.3	TOTAL BARIUM (Ba)	(ug/l)	823
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	1.7	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	0.25	TOTAL COBALT (Co)	(ug/l)	11.9
cis-1,2-DICHLOROETHENE	(ug/l)	10.9	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	28.6
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	1.0	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	1.2	TOTAL VANADIUM (V)	(ug/l)	6.2
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	0.98			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	28.1			

MONITORING WELL #					MW-22
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	74.7
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	35.2
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	ND			

MONITORING WELL #					MW-16
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	1.4	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	176
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	5.6
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	12.8
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	14.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	1.4			

MONITORING WELL #					MW-16D
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	38.6
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	1.2	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	0.82	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	0.62	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	2.6			

MONITORING WELL #					MW-12
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	<0.25	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	185
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	<0.32	TOTAL CHROMIUM (Cr)	(ug/l)	6.5
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	<0.19	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	8.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	7.4
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	ND			

MONITORING WELL #					MW-5
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	4.4	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	1.4	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	1.4	TOTAL BARIUM (Ba)	(ug/l)	210
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	6.8	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	0.25	TOTAL COBALT (Co)	(ug/l)	6.9
cis-1,2-DICHLOROETHENE	(ug/l)	10.2	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	0.80	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	5.1	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	4.1			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	0.52			
TOTAL VOCs	(ug/l)	35.0			

MONITORING WELL #					MW-4
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	16.5	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	0.61	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	0.78	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	0.13
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	<0.005
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	6.1	TOTAL BARIUM (Ba)	(ug/l)	149
DICHLORODIFLUOROMETHANE	(ug/l)	0.58	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	21.2	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	1.7	TOTAL COBALT (Co)	(ug/l)	8.5
cis-1,2-DICHLOROETHENE	(ug/l)	27.6	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	0.48	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	8.1
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	34.1	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	6.5	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	6.0	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	6.0			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	4.6			
O XYLENE	(ug/l)	1.8			
TOTAL VOCs	(ug/l)	134.6			

MONITORING WELL #					MW-11
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	0.28	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	<0.54	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	0.0052
1,2-DICHLOROBENZENE	(ug/l)	3.3	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	1.0	TOTAL BARIUM (Ba)	(ug/l)	85.3
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	5.2	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	14.8	TOTAL COPPER (Cu)	(ug/l)	<5.0
1,2-DICHLOROPROPANE	(ug/l)	0.31	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	<5.0
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	1.1	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	<10.0
TRICHLOROETHENE	(ug/l)	1.2			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	27.2			

MONITORING WELL #					MW-3A
ACETONE	(ug/l)	<10.0	PESTICIDES-4,4'DDT	(ug/l)	<0.050
BENZENE	(ug/l)	0.34	PESTICIDES-HEPTACHLOR	(ug/l)	<0.050
CARBON DISULFIDE	(ug/l)	<1.2	PESTICIDES-METHOXYCHLOR	(ug/l)	<0.15
CHLOROBENZENE	(ug/l)	<0.23	PESTICIDES-ENDOSULFAN SULFATE	(ug/l)	<0.050
CHLOROETHANE	(ug/l)	1.1	PESTICIDES-BETA-BHC	(ug/l)	<0.050
CHLOROFORM	(ug/l)	<0.14	PESTICIDES-GAMMA-BHC(LINDANE)	(ug/l)	<0.050
CHLOROMETHANE	(ug/l)	<0.11	CYANIDE	(mg/l)	0.0084
1,2-DICHLOROBENZENE	(ug/l)	<0.30	TOTAL ANTIMONY (Sb)	(ug/l)	<5.0
1,3 DICHLOROBENZENE	(ug/l)	<0.24	TOTAL ARSENIC (As)	(ug/l)	<10.0
1,4-DICHLOROBENZENE	(ug/l)	<0.33	TOTAL BARIUM (Ba)	(ug/l)	159
DICHLORODIFLUOROMETHANE	(ug/l)	<0.21	TOTAL BERYLLIUM (Be)	(ug/l)	<1.0
1,1-DICHLOROETHANE	(ug/l)	3.2	TOTAL CHROMIUM (Cr)	(ug/l)	<5.0
1,2-DICHLOROETHANE	(ug/l)	<0.12	TOTAL COBALT (Co)	(ug/l)	<5.0
cis-1,2-DICHLOROETHENE	(ug/l)	0.59	TOTAL COPPER (Cu)	(ug/l)	48.8
1,2-DICHLOROPROPANE	(ug/l)	<0.27	TOTAL LEAD (Pb)	(ug/l)	<5.0
DIISOPROPYL ETHER	(ug/l)	NT	TOTAL NICKEL (Ni)	(ug/l)	6.2
ETHYLBENZENE	(ug/l)	<0.30	TOTAL SELENIUM (Sc)	(ug/l)	<10.0
DICHLOROMETHANE	(ug/l)	<0.97	TOTAL SILVER (Ag)	(ug/l)	<5.0
NAPHTHALENE	(ug/l)	<0.24	TOTAL THALLIUM (Tl)	(ug/l)	<5.4
TETRACHLOROETHENE	(ug/l)	<0.46	TOTAL VANADIUM (V)	(ug/l)	<5.0
TOLUENE	(ug/l)	<0.26	TOTAL ZINC (Zn)	(ug/l)	19.2
TRICHLOROETHENE	(ug/l)	<0.47			
VINYL CHLORIDE	(ug/l)	<0.62			
M&P XYLENE	(ug/l)	<0.66			
O XYLENE	(ug/l)	<0.23			
TOTAL VOCs	(ug/l)	5.2			

SURVEY CONTROL NOTES:
1. SURVEY BASED ON NAD83 (NSRS 2007).
2. ELEVATIONS BASED ON NAVD88.
3. AS-BUILT SURVEYS CONDUCTED BY McGILL IN SEPTEMBER, OCTOBER, NOVEMBER 2010, OCTOBER/NOVEMBER 2011, AND JANUARY 2012.

NOTES:
1. PROPERTY LINES SHOWN ARE FROM HAYWOOD COUNTY G.I.S. DEPARTMENT, AND ARE APPROXIMATE ONLY.
2. CONTOURS ON FRANCIS FARM LANDFILL PROPERTY SOUTH AND WEST OF PAVED ACCESS ROAD ARE FROM GROUND SURVEY PERFORMED BY McGILL ASSOCIATES, OCTOBER 15, 2009. REMAINING CONTOURS ARE LIDAR CONTOURS PROVIDED BY HAYWOOD COUNTY.
3. SURVEY CONTROL INFORMATION BASED ON NAVD 88 AND NAD83 (NSRS 2007).
4. WASTE LIMITS SHOWN ARE A COMPILATION OF EXISTING DOCUMENTATION AND FIELD INVESTIGATION NOVEMBER 2010, AND ARE APPROXIMATE ONLY.
5. UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY!
6. SHADED CELLS INDICATE VALUES EXCEEDING THE NC MCL.

100 50 0 100 200
APPROXIMATE SCALE IN FEET

MW-13 GROUNDWATER MONITORING WELL
MM-5 LANDFILL GAS MONITORING WELL
SM-1a LANDFILL GAS MONITORING LOCATION IN STRUCTURE
EW-1 PASSIVE LANDFILL GAS EXTRACTION WELL
APPROXIMATE WASTE LIMITS
120.2 TOTAL VOC CONCENTRATION (ug/l)
20 TOTAL VOC CONCENTRATION CONTOUR

REFERENCE:
DRAWING PROVIDED BY McGILL ASSOCIATES TITLED "FFLF AS-BUILT INFO 11-11-11".

NORTH CAROLINA LICENSED GEOLOGIST SEAL 1475 ANDREW W. ALEXANDER

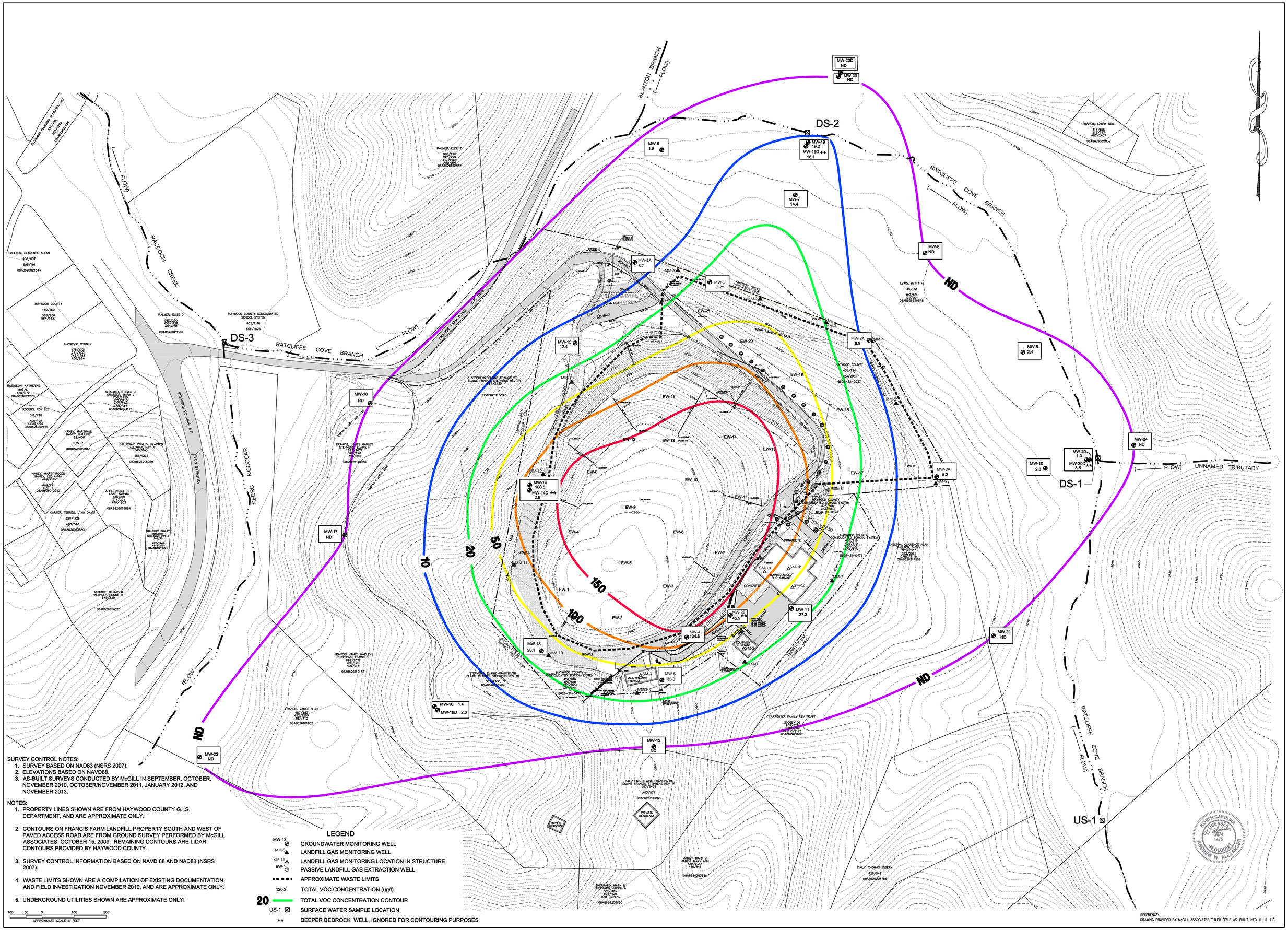
REVISIONS	
No.	DESCRIPTION

DRAWN: ACE
CHECKED: AWA
APPROVED:
DATE: 06-30-14
CAD FILE: FIG 3 FFLF39-DC FEB2014
JOB NO: J13-1957-39

BLE INC.
BUNNELL-LAMMONS ENGINEERING, INC.
6004 PONDERS COURT
GREENVILLE, SOUTH CAROLINA 29615
PHONE: (864)288-1265 FAX: (864)288-4430

DETECTED COMPOUNDS – FEBRUARY 20-26, 2014
CLOSED FRANCIS FARM LANDFILL
HAYWOOD COUNTY, NORTH CAROLINA

FIGURE NO. 3



SURVEY CONTROL NOTES:

1. SURVEY BASED ON NAD83 (NSRS 2007).
2. ELEVATIONS BASED ON NAVD88.
3. AS-BUILT SURVEYS CONDUCTED BY McGILL IN SEPTEMBER, OCTOBER, NOVEMBER 2010, OCTOBER/NOVEMBER 2011, JANUARY 2012, AND NOVEMBER 2013.

NOTES:

1. PROPERTY LINES SHOWN ARE FROM HAYWOOD COUNTY G.I.S. DEPARTMENT, AND ARE APPROXIMATE ONLY.
2. CONTOURS ON FRANCIS FARM LANDFILL PROPERTY SOUTH AND WEST OF PAVED ACCESS ROAD ARE FROM GROUND SURVEY PERFORMED BY McGILL ASSOCIATES, OCTOBER 15, 2009. REMAINING CONTOURS ARE LIDAR CONTOURS PROVIDED BY HAYWOOD COUNTY.
3. SURVEY CONTROL INFORMATION BASED ON NAVD 88 AND NAD83 (NSRS 2007).
4. WASTE LIMITS SHOWN ARE A COMPILATION OF EXISTING DOCUMENTATION AND FIELD INVESTIGATION NOVEMBER 2010, AND ARE APPROXIMATE ONLY.
5. UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY!

100 50 0 100 200
APPROXIMATE SCALE IN FEET

LEGEND

MW-13	GROUNDWATER MONITORING WELL
MM-5	LANDFILL GAS MONITORING WELL
SM-1a	LANDFILL GAS MONITORING LOCATION IN STRUCTURE
EW-1	PASSIVE LANDFILL GAS EXTRACTION WELL
	APPROXIMATE WASTE LIMITS
120.2	TOTAL VOC CONCENTRATION (ug/l)
20	TOTAL VOC CONCENTRATION CONTOUR
US-1	SURFACE WATER SAMPLE LOCATION
**	DEEPER BEDROCK WELL, IGNORED FOR CONTOURING PURPOSES

REFERENCE:
DRAWING PROVIDED BY McGILL ASSOCIATES TITLED "FFLF AS-BUILT INFO 11-11-11".

REVISIONS	
No.	DESCRIPTION

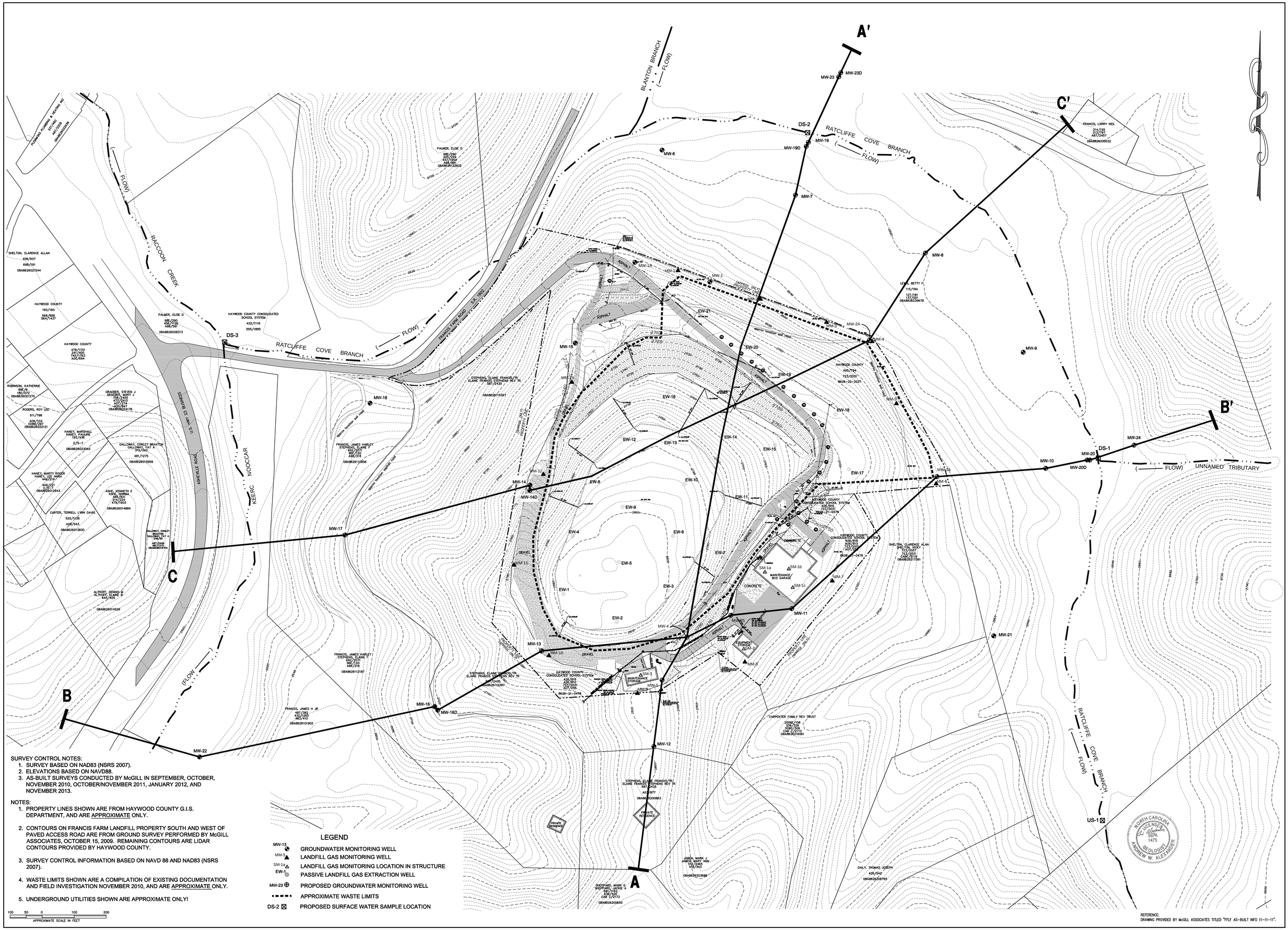
DRAWN: ACE
CHECKED: AWA
APPROVED:

DATE: 06-30-14
CAD FILE: FIG 4 FFLF-39 TVOC FEB 2014
JOB NO: J13-1957-39

BLE INC.
BUNNELL-LAMMONS ENGINEERING, INC.
6004 POINSETT COURT
GREENVILLE, SOUTH CAROLINA 29615
PHONE: (864)288-1265 FAX: (864)288-8430

TOTAL VOC ISOPLETH MAP – FEBRUARY 20-26, 2014
CLOSED FRANCIS FARM LANDFILL
HAYWOOD COUNTY, NORTH CAROLINA

FIGURE NO. 4



SURVEY CONTROL NOTES:

1. SURVEY BASED ON NAD83 (NSRS 2007).
2. ELEVATIONS BASED ON NAVD88.
3. AS-BUILT SURVEYS CONDUCTED BY McGILL IN SEPTEMBER, OCTOBER, NOVEMBER 2010, OCTOBER/NOVEMBER 2011, JANUARY 2012, AND NOVEMBER 2013.

NOTES:

1. PROPERTY LINES SHOWN ARE FROM HAYWOOD COUNTY G.I.S. DEPARTMENT, AND ARE APPROXIMATE ONLY.
2. CONTOURS ON FRANCIS FARM LANDFILL PROPERTY SOUTH AND WEST OF PAVED ACCESS ROAD ARE FROM GROUND SURVEY PERFORMED BY McGILL ASSOCIATES, OCTOBER 15, 2009. REMAINING CONTOURS ARE LIDAR CONTOURS PROVIDED BY HAYWOOD COUNTY.
3. SURVEY CONTROL INFORMATION BASED ON NAVD 88 AND NAD83 (NSRS 2007).
4. WASTE LIMITS SHOWN ARE A COMPILATION OF EXISTING DOCUMENTATION AND FIELD INVESTIGATION NOVEMBER 2010, AND ARE APPROXIMATE ONLY.
5. UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY!

100 50 0 100 200
APPROXIMATE SCALE IN FEET

LEGEND

MW-13	GROUNDWATER MONITORING WELL
MM-5	LANDFILL GAS MONITORING WELL
SM-1a	LANDFILL GAS MONITORING LOCATION IN STRUCTURE
EW-1	PASSIVE LANDFILL GAS EXTRACTION WELL
MW-23	PROPOSED GROUNDWATER MONITORING WELL
	APPROXIMATE WASTE LIMITS
DS-2	PROPOSED SURFACE WATER SAMPLE LOCATION

REFERENCE:
DRAWING PROVIDED BY McGILL ASSOCIATES TITLED "FFLF AS-BUILT INFO 11-11-11".

REVISIONS	
No.	DESCRIPTION

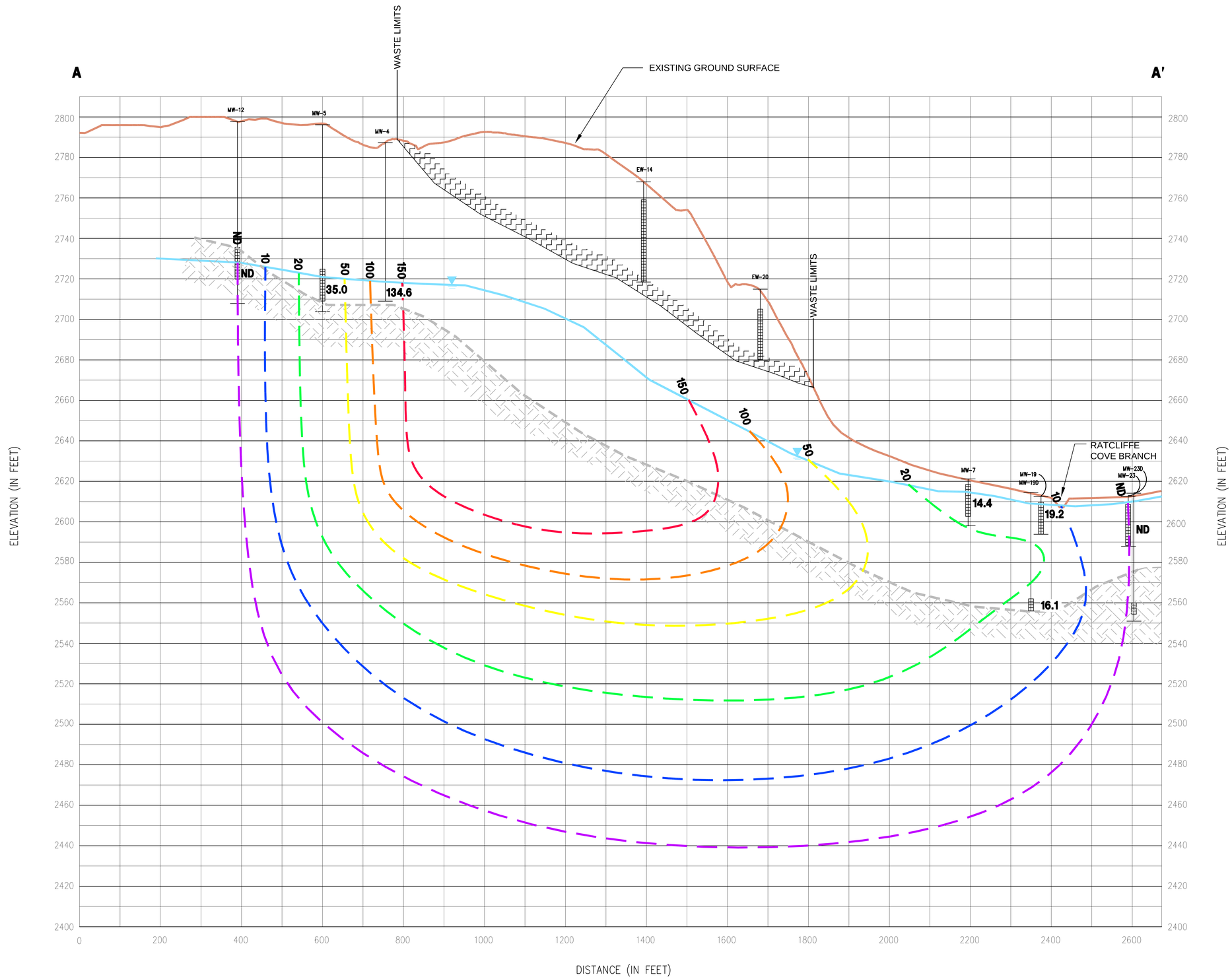
DRAWN: ACE
CHECKED: AWA
APPROVED:

DATE: 06-30-14
CAD FILE: FIG 5 FFLF-39 SITE MAP WITH TRANSECTS
JOB NO: J13-1957-39

BLE INC.
BUNNELL-LAMMONS ENGINEERING, INC.
6004 PONDERS COURT
GREENVILLE, SOUTH CAROLINA 29615
PHONE: (864)288-2085 FAX: (864)288-4430

SITE MAP WITH TRANSECTS
CLOSED FRANCIS FARM LANDFILL
HAYWOOD COUNTY, NORTH CAROLINA

FIGURE NO. 5



LEGEND

MW-7	GROUNDWATER MONITORING WELL
EW-14	LANDFILL GAS EXTRACTION WELL
	BORING TOP AND BOTTOM
	WELL SCREEN
	GROUNDWATER ELEVATION ON FEBRUARY 19, 2014
	APPROXIMATE WASTE LIMITS
	BEDROCK
33.3	TOTAL VOC CONCENTRATIONS IN ug/L (FEBRUARY 20-26, 2014)
20	TOTAL VOC ISOCONCENTRATION CONTOUR IN ug/L (APPROXIMATE)

NOTES:
1. SURVEY BASED ON NAD83 (NSRS 2007).
2. ELEVATIONS BASED ON NAVD88.
3. AS-BUILT SURVEYS CONDUCTED BY McGILL IN SEPTEMBER, OCTOBER, NOVEMBER 2010, OCTOBER/NOVEMBER 2011, JANUARY 2012, AND NOVEMBER 2013.
4. WASTE LIMITS SHOWN WERE PROVIDED BY McGILL ASSOCIATES AND ARE A COMPILATION OF A REVIEW OF EXISTING DOCUMENTATION AND FIELD INVESTIGATION IN NOVEMBER 2010. WASTE LIMITS ARE APPROXIMATE.
5. WELL CONSTRUCTION DETAILS FOR MW-4 AND MW-3A ARE UNKNOWN. DEPTHS FOR THESE WELLS ARE FROM FIELD MEASUREMENTS COLLECTED BY PACE ANALYTICAL.

NORTH CAROLINA LICENSED SEAL 1475 GEOLOGIST ANDREW W. ALEXANDER

SCALES
HORIZONTAL: 1" = 100'
VERTICAL: 1" = 20'

REVISIONS		
No.	DESCRIPTION	BY

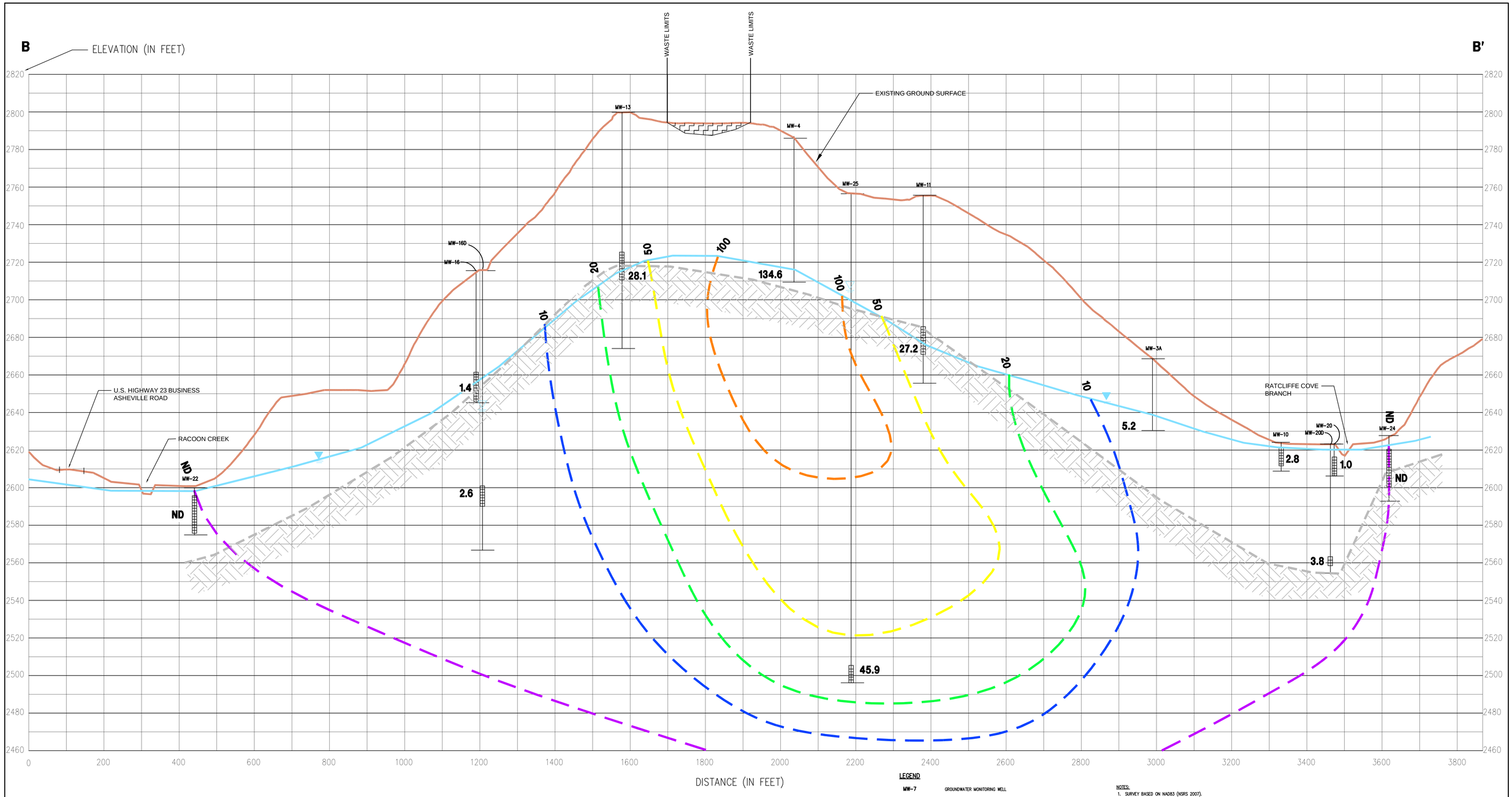
DRAWN:	ACE
CHECKED:	AWA
APPROVED:	

DATE:	06-30-14
CAD FILE:	FIG 6 FFLF-39 PROFILE A
JOB NO:	J13-1957-39

BLE INC.
BUNNELL-LAMMONS ENGINEERING, INC.
6004 POINSETT COURT
GREENVILLE, SOUTH CAROLINA 29615
PHONE: (864)288-1395 FAX: (864)288-4430

SUBSURFACE GEOLOGIC PROFILE A-A'
TOTAL VOC CONCENTRATIONS - FEBRUARY 20-26, 2014
FRANCIS FARM LANDFILL
HAYWOOD COUNTY, NORTH CAROLINA

FIGURE NO. 6



LEGEND

MW-7	GROUNDWATER MONITORING WELL
EW-14	LANDFILL GAS EXTRACTION WELL
	BORING TOP AND BOTTOM
	WELL SCREEN
	GROUNDWATER ELEVATION ON FEBRUARY 19, 2014
	GROUNDWATER ELEVATION ON FEBRUARY 19, 2014 IN DEEP BEDROCK WELLS
	APPROXIMATE WASTE LIMITS
	BEDROCK
33.3	TOTAL VOC CONCENTRATIONS IN ug/L (FEBRUARY 20-26, 2014)
20	TOTAL VOC ISOCONCENTRATION CONTOUR IN ug/L (APPROXIMATE)

NOTES:
1. SURVEY BASED ON NAD83 (NSRS 2007).
2. ELEVATIONS BASED ON NAVD88.
3. AS-BUILT SURVEYS CONDUCTED BY McGILL IN SEPTEMBER, OCTOBER, NOVEMBER 2010, OCTOBER/NOVEMBER 2011, JANUARY 2012, AND NOVEMBER 2013.
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5. WELL CONSTRUCTION DETAILS FOR MW-4 AND MW-3A ARE UNKNOWN. DEPTHS FOR THESE WELLS ARE FROM FIELD MEASUREMENTS COLLECTED BY PACE ANALYTICAL.

NORTH CAROLINA LICENSED GEOLOGIST SEAL 1475 ANDREW W. ALEXANDER

SCALES
HORIZONTAL: 1" = 100'
VERTICAL: 1" = 20'

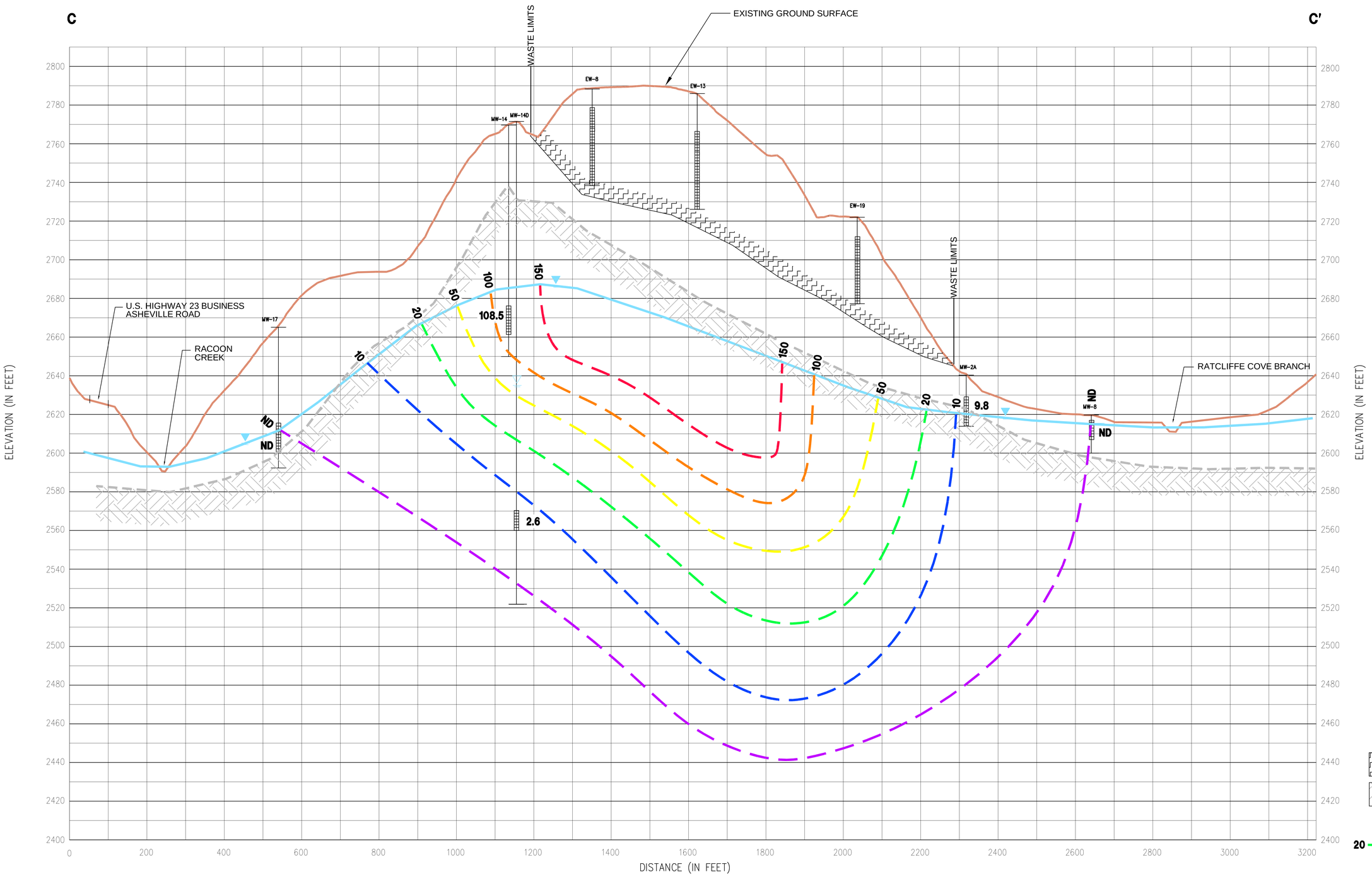
REVISIONS		
No.	DESCRIPTION	BY

DRAWN:	ACE
CHECKED:	AWA
APPROVED:	
DATE:	06-30-14
CAD FILE:	FIG 7 FFLF-39 PROFILEB
JOB NO:	J13-1957-39

BLE INC.
BUNNELL-LAMMONS ENGINEERING, INC.
6004 POINSETT COURT
GREENVILLE, SOUTH CAROLINA 29615
PHONE: (864)288-2266 FAX: (864)288-4480

SUBSURFACE GEOLOGIC PROFILE B-B'
TOTAL VOC CONCENTRATIONS – FEBRUARY 20-26, 2014
FRANCIS FARM LANDFILL
HAYWOOD COUNTY, NORTH CAROLINA

FIGURE NO.
7



LEGEND

MW-7	GROUNDWATER MONITORING WELL
EW-14	LANDFILL GAS EXTRACTION WELL
	BORING TOP AND BOTTOM
	WELL SCREEN
	GROUNDWATER ELEVATION ON FEBRUARY 19, 2014
	GROUNDWATER ELEVATION ON FEBRUARY 19, 2014 IN DEEP BEDROCK WELL
	APPROXIMATE WASTE LIMITS
	BEDROCK
33.3	TOTAL VOC CONCENTRATIONS IN ug/L (FEBRUARY 20–26, 2014)
20	TOTAL VOC ISOCONCENTRATION CONTOUR IN ug/L (APPROXIMATE)

NOTES:
1. SURVEY BASED ON NAD83 (NSRS 2007).
2. ELEVATIONS BASED ON NAVD88.
3. AS-BUILT SURVEYS CONDUCTED BY McGILL IN SEPTEMBER, OCTOBER, NOVEMBER 2010, OCTOBER/NOVEMBER 2011, JANUARY 2012, AND NOVEMBER 2013.
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5. WELL CONSTRUCTION DETAILS FOR MW-4 AND MW-3A ARE UNKNOWN. DEPTHS FOR THESE WELLS ARE FROM FIELD MEASUREMENTS COLLECTED BY PACE ANALYTICAL.

NORTH CAROLINA LICENSED GEOLOGIST SEAL 1475 ANDREW W. ALEXANDER

SCALES
HORIZONTAL: 1" = 100'
VERTICAL: 1" = 20'

REVISIONS		
No.	DESCRIPTION	BY

DRAWN:	ACE
CHECKED:	AWA
APPROVED:	

DATE:	06-30-14
CAD FILE:	FIG 8 FFLF-39 PROFILEC
JOB NO:	J13-1957-39

BLE INC.
BUNNELL-LAMMONS ENGINEERING, INC.
6004 PONDERS COURT
GREENVILLE, SOUTH CAROLINA 29615
PHONE: (864)288-2288 FAX: (864)288-4430

SUBSURFACE GEOLOGIC PROFILE C–C'
TOTAL VOC CONCENTRATIONS – FEBRUARY 20–26, 2014
FRANCIS FARM LANDFILL
HAYWOOD COUNTY, NORTH CAROLINA

FIGURE NO.
8

APPENDICES

APPENDIX A

DRILLING PROCEDURES

Air Hammer Drilling

Air drilled borings were advanced through unconsolidated and consolidated materials using a downhole air hammer and compressed air to remove the soil and rock cuttings. The pneumatic drill hammer rapidly strikes the soil or rock while the drill pipe is slowly rotated. The drill hammers are typically constructed of alloy steel with tungsten-carbide inserts that provide the chipping or cutting surfaces. An in-line air filter is attached to the air compressor on the rig to remove oil from the air and to prevent oil contamination in the borehole.

Representative portions of the soil samples were placed in glass jars or plastic bags. The samples were examined by a geologist to verify the technician's and/or driller's field classifications and Soil Boring Records were prepared. Soil borings were advanced to their required termination depths for monitoring well installation.

Hollow Stem Auger Drilling

Soil borings were advanced by mechanically twisting a continuous flight of steel augers into the soil. Soil sampling was performed by collecting samples of the auger cuttings or split spoon samplers, as needed.

General

To help prevent cross-contamination between borings, all downhole drilling equipment was steam cleaned prior to drilling each boring.

APPENDIX B

WELL INSTALLATION PROCEDURES

Type II Monitoring Well

Type II groundwater monitoring wells consist of 2-inch Schedule 40 polyvinyl chloride (PVC) casing with flush-threaded joints installed in the borehole. The bottom section of each well consists of a manufactured well screen with 0.01-inch wide machined slots. The well screen was installed to the approximate termination depth of the borehole.

Type III Monitoring Well

Type III groundwater monitoring wells consist of 6-inch or larger Schedule 40 PVC casing installed to the top of rock and grouted to the surface. A 2-inch Schedule 40 PVC well riser casing with flush-threaded joints is installed in the outer casing. The bottom section of each well consists of a manufactured well screen with 0.01-inch wide machined slots. The well screen is installed to the approximate termination depth of the borehole or to intercept water bearing fractures.

General

A washed sand filter pack was emplaced around the outside of the pipe from the bottom of the well casing to from one to five feet above the top of the well screen. The sand filter pack was used to stabilize the formation and to help yield a less turbid groundwater sample.

A one-foot thick (minimum) bentonite seal was installed on top of the sand filter pack to seal the monitoring well at the desired level. The well annulus was then grouted to the surface with a cement grout mixture. A lockable PVC cap and a protective steel cover were placed over each well.

APPENDIX C

DWR WELL CONSTRUCTION RECORD GW-1 FORM FOR GROUNDWATER MONITORING WELLS

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Brunson L. King

Well Contractor Name

3290-A

NC Well Contractor Certification Number

Landprobe, LLC

Company Name

2. Well Construction Permit #: _____

List all applicable well permits (i.e. County, State, Variance, Injection, etc.)

3. Well Use (check well use):

Water Supply Well:

- ☐ Agricultural
- ☐ Municipal/Public
- ☐ Geothermal (Heating/Cooling Supply)
- ☐ Residential Water Supply (single)
- ☐ Industrial/Commercial
- ☐ Residential Water Supply (shared)
- ☐ Irrigation

Non-Water Supply Well:

- ☑ Monitoring
- ☐ Recovery

Injection Well:

- ☐ Aquifer Recharge
- ☐ Groundwater Remediation
- ☐ Aquifer Storage and Recovery
- ☐ Salinity Barrier
- ☐ Aquifer Test
- ☐ Stormwater Drainage
- ☐ Experimental Technology
- ☐ Subsidence Control
- ☐ Geothermal (Closed Loop)
- ☐ Tracer
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 10-1-13 **Well ID#** MW-23D

5a. Well Location:

Closed Francis Farm Landfill — Facility/Owner Name

44-03 — Facility ID# (if applicable)

Farmview Drive, Waynesville, NC 28786

Physical Address, City, and Zip

Haywood

County

_____ Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

35.507695290 **N** 82.956901959 **W**

6. Is (are) the well(s): ☑ **Permanent** or ☐ **Temporary**

7. Is this a repair to an existing well: ☐ **Yes** or ☑ **No**

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: One

*For multiple injection or non-water supply wells **ONLY** with the **same construction**, you can submit one form.*

9. Total well depth below land surface: 58.2 **(ft.)**

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 2.8 **(ft.)**

If water level is above casing, use "+"

11. Borehole diameter: 6 & 8 **(in.)**

12. Well construction method: Auger & Air Hammer

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) _____ **Method of test:** _____

13b. Disinfection type: _____ **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
55 ft.	59 ft.	Water Bearing Fractures
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	37 ft.	6 in.	Sch. 40	PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0 ft.	53 ft.	2 in.	Sch. 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
53 ft.	58 ft.	2 in.	0.010"	Sch. 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	46.7 ft.	cement	Tremie - 9 bags
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
50.5 ft.	62.0 ft.	#2 sand	Gravity
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	See Boring Log in Enclosed Report
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

Marty S King — Signature of Certified Well Contractor

10-1-13 — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells ONLY: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells:
Also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.

APPENDIX D

WELL CONSTRUCTION AND BORING LOGS

BUNNELL-LAMMONS ENGINEERING, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

GROUNDWATER MONITORING WELL NO. MW-23D

PROJECT: Francis Farm Landfill | PROJECT NO.: J13-1957-39
CLIENT: Haywood County | START: 9-30-13 END: 10-1-13
LOCATION: Waynesville, North Carolina | ELEVATION: 2611.75
DRILLER: Landprobe, M. King | LOGGED BY: B. Nisbeth
DRILLING METHOD: CME 750; 8-inch OD hollow stem auger, Schramm T450S; 6-inch air hammer
DEPTH TO - WATER> INITIAL: ____ AFTER 24 HOURS: 2.8 CAVING> ____

ELEVATION/ DEPTH (FT)	DESCRIPTION	SOIL TYPE	SAMPLES	PID (ppm) READING	MONITOR WELL INSTALLATION DETAILS
	4-inches of TOPSOIL/GRASS				SURFACE COMPLETION: Flush-mount secured with an 8-inch diameter steel bolted manhole cover in a 3' x 3' x 4" concrete pad
2610	Brown, micaceous, silty, fine to medium SAND - (alluvium)				Top of PVC casing elev. = 2,611.52 feet
5	Very moist COBBLE layer - (alluvium)				Ground surface elev. = 2,611.75 feet
2605	Gray-brown, moist, very micaceous, silty, fine to medium SAND - (alluvium)				Northing = 663,182.5348'
					Easting = 822,725.7136'
10				ND	
2600	Brown, moist, micaceous, silty, fine to medium SAND - (alluvium)				
15					6-inch outer casing set to 37.0 feet
2595					
20				ND	Grout, 0 to 46.7 feet
2590					
25					
2585					
30				ND	
2580					
35	PARTIALLY WEATHERED ROCK which sampled as brown, micaceous, silty, fine to medium SAND				
2575	ROCK which sampled as grayish-brown, micaceous, silty, fine to medium SAND				Borehole diameter 0 to 37 feet, 8-inches

ENV_WELL_ONLY_PID 1957-39.GPJ 6/30/14

BLE INC.

BUNNELL-LAMMONS ENGINEERING, INC.

GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

GROUNDWATER MONITORING WELL NO. MW-23D

PROJECT:	Francis Farm Landfill	PROJECT NO.:	J13-1957-39
CLIENT:	Haywood County	START: 9-30-13	END: 10-1-13
LOCATION:	Waynesville, North Carolina	ELEVATION:	2611.75
DRILLER:	Landprobe, M. King	LOGGED BY:	B. Nisbeth

DRILLING METHOD: CME 750; 8-inch OD hollow stem auger, Schramm T450S; 6-inch air hammer

DEPTH TO - WATER> INITIAL: ▽ _____ AFTER 24 HOURS: ▼ 2.8 CAVING> _____

ELEVATION/ DEPTH (FT)	DESCRIPTION	SOIL TYPE	SAMPLES	PID (ppm) READING	MONITOR WELL INSTALLATION DETAILS
2570	ROCK which sampled as grayish-brown, micaceous, silty, fine to medium SAND				Grout, 0 to 46.7 feet
45					
2565					Bentonite seal, 46.7 to 50.5 feet
50					Filter pack, sand 50.5 to 62.0 feet
2560					
55	Water bearing fracture at 55 feet				2-inch diameter, 0.010-inch slotted Schedule 40 PVC well screen, 53.0 to 58.0 feet
2555					Pipe cap
	Water bearing fracture at 59 feet				Total well depth, 58.2 feet
60					
2550					Borehole diameter 37 to 62 feet, 6-inches
	Boring terminated at 62.0 feet. Groundwater encountered at 2.8 feet after 24 hours.				
65					
2545					
70					
2540					
75					
2535					

ENV_WELL_ONLY_PID 1957-39.GPJ 6/30/14

APPENDIX E

MONITORING WELL DEVELOPMENT LOGS

MONITORING WELL DEVELOPMENT LOG

DATE	1/16/2014	**TOTAL WELL DEPTH (TWD); TOP OF CASING =**	58.00	1/100 ft
PERSONNEL	BPN	**DEPTH TO GROUND WATER (DGW) =**	1.14	1/100 ft
SITE	**Francis Farm Landfill**	**LENGTH OF WATER COLUMN (LWC) = TWD - DGW =**	56.86	1/100 ft
JOB #	**1957-39**	**1 CASING VOLUME (CV) = LWC x 0.17 =**	9.7	gallons
WELL ID	MW-23D			
WEATHER	Clear	**TOTAL VOLUME OF WATER REMOVED =**	220.0	gallons
AIR TEMP.	20°F - 32°F	**METHOD OF WELL DEVELOPMENT =**	Pump	

TIME	VOLUME PURGED (gallons)	WATER TEMP (°C)	pH (units)	Eh	SPECIF. COND. (umho/cm)	TURBIDITY NTU	SAND CONTENT (%)	Remarks
935	0.0	10.2	8.02		129.2	1000+		Surged Initially
942	10	12.7	7.70		102.3	1000+		
950	20	12.8	7.32		102.6	1000+		
1000	30	13.5	7.16		103.0	1000+		
1010	40	13.1	6.99		95.9	83.2		
1020	50	13.7	6.92		96.1	25.7		Surged @ 50 gallons
1042	60	13.7	6.90		95.4	1000+		
1052	70	13.6	6.75		99.5	1000+		
1102	80	13.5	6.75		96.4	95.4		
1112	90	13.8	6.65		95.5	21		
1122	100.0	13.7	6.65		96.4	18.1		Surged @ 100 gallons
1145	120.0	13.6	6.65		95.8	429		
1205	140.0	12.5	6.70		96.1	9.21		
1225	160.0	13.3	6.72		95.6	9.61		
1245	180.0	13.0	6.60		95.8	4.25		
1305	200.0	13.3	6.60		97.7	5.15		
1325	220.0	13.1	6.62		97.0	4.88		Stopped @ 220 gallons

Prepared by: BPN
Checked by: AWA

APPENDIX F

LABORATORY ANALYTICAL DATA

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

March 19, 2014

Mr. Stephen King
Haywood Co. Solid Waste
278 Recycle Rd.
Clyde, NC 28721

RE: Project: Haywood FFLF MWs
Pace Project No.: 92190605

Dear Mr. King:
Enclosed are the analytical results for sample(s) received by the laboratory on February 21, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

Sincerely,

Tabitha Dacal

Tabitha M Dacal
tabitha.dacal@pacelabs.com
Project Manager

Enclosures

cc: Andy Alexander, BLE
Mr. Stephen King, Haywood Co. Solid Waste

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

CERTIFICATIONS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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

SAMPLE SUMMARY

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92190605001	**MW-6**	Water	02/20/14 15:40	02/21/14 09:35
92190605002	**MW-7**	Water	02/20/14 15:55	02/21/14 09:35
92190605003	**MW-8**	Water	02/20/14 16:40	02/21/14 09:35
92190605004	**MW-9**	Water	02/20/14 17:05	02/21/14 09:35
92190605005	**MW-10**	Water	02/20/14 17:25	02/21/14 09:35
92190605006	**MW-19**	Water	02/20/14 16:10	02/21/14 09:35
92190605007	**MW-19D**	Water	02/20/14 16:20	02/21/14 09:35
92190605008	**MW-20**	Water	02/20/14 17:40	02/21/14 09:35
92190605009	**MW-20D**	Water	02/20/14 17:55	02/21/14 09:35
92190605010	**MW-21**	Water	02/20/14 14:40	02/21/14 09:35
92190605011	**MW-24**	Water	02/20/14 15:00	02/21/14 09:35
92190605012	**US-1**	Water	02/20/14 14:15	02/21/14 09:35
92190605013	**DS-1**	Water	02/20/14 12:45	02/21/14 09:35
92190605014	**DS-2**	Water	02/20/14 16:30	02/21/14 09:35
92190605015	**DS-3**	Water	02/20/14 18:30	02/21/14 09:35

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Asheville, NC 28804
(828)254-7176

SAMPLE ANALYTE COUNT

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92190605001	**MW-6**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605002	**MW-7**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605003	**MW-8**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605004	**MW-9**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605005	**MW-10**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605006	**MW-19**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605007	**MW-19D**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605008	**MW-20**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A

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2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

SAMPLE ANALYTE COUNT

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605009	**MW-20D**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605010	**MW-21**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605011	**MW-24**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605012	**US-1**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605013	**DS-1**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605014	**DS-2**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190605015	**DS-3**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C

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2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

SAMPLE ANALYTE COUNT

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		SM 4500-CN-E	JDA	1	PASI-A

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Asheville, NC 28804
(828)254-7176

ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-6 **Lab ID: 92190605001** Collected: 02/20/14 15:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:29		
Collected Date	**02/20/14**				1		03/12/14 16:29		
Collected Time	**15:40**				1		03/12/14 16:29		
Field pH	**5.8**	Std. Units	0.10	0.10	1		03/12/14 16:29		
Field Temperature	**11.3**	deg C	0.50	0.50	1		03/12/14 16:29		
Field Specific Conductance	**>4**	umhos/cm	1.0	1.0	1		03/12/14 16:29		
Turbidity	**3.30**	NTU	1.0	1.0	1		03/12/14 16:29		
Odor	**NONE**				1		03/12/14 16:29		
Appearance	**CLEAR**				1		03/12/14 16:29		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 17:03	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:03	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 17:03	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 17:03	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 17:03	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	69	%	20-130		1	02/25/14 14:30	03/07/14 17:03	877-09-8	
Decachlorobiphenyl (S)	66	%	20-130		1	02/25/14 14:30	03/07/14 17:03	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:27	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/22/14 08:45	02/24/14 23:27	7440-38-2	
Barium	**16.8**	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:27	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/22/14 08:45	02/24/14 23:27	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/22/14 08:45	02/24/14 23:27	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:27	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:27	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:27	7440-50-8	

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

ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-6 **Lab ID: 92190605001** Collected: 02/20/14 15:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:27	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:27	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/22/14 08:45	02/24/14 23:27	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:27	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/22/14 08:45	02/24/14 23:27	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:27	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/22/14 08:45	02/24/14 23:27	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/24/14 19:33	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 06:54	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 06:54	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 06:54	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 06:54	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 06:54	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 06:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 06:54	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 06:54	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 06:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 06:54	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 06:54	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 06:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 06:54	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 06:54	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 06:54	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 06:54	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 06:54	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 06:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 06:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 06:54	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 06:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 06:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 06:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 06:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 06:54	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 06:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/24/14 06:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 06:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 06:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/24/14 06:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 06:54	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 06:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 06:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 06:54	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-6 **Lab ID: 92190605001** Collected: 02/20/14 15:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 06:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 06:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 06:54	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 06:54	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 06:54	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 06:54	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 06:54	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 06:54	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 06:54	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 06:54	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 06:54	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 06:54	108-10-1	
Naphthalene	**1.6**	ug/L	1.0	0.24	1		02/24/14 06:54	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 06:54	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 06:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 06:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 06:54	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 06:54	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 06:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 06:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 06:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 06:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 06:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 06:54	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 06:54	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 06:54	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 06:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 06:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 06:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/24/14 06:54	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/24/14 06:54	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 06:54	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 12:51	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-7 **Lab ID: 92190605002** Collected: 02/20/14 15:55 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:37		
Collected Date	**02/20/14**				1		03/12/14 16:37		
Collected Time	**15:55**				1		03/12/14 16:37		
Field pH	**5.9**	Std. Units	0.10	0.10	1		03/12/14 16:37		
Field Temperature	**12.5**	deg C	0.50	0.50	1		03/12/14 16:37		
Field Specific Conductance	**383**	umhos/cm	1.0	1.0	1		03/12/14 16:37		
Turbidity	**4.60**	NTU	1.0	1.0	1		03/12/14 16:37		
Odor	**NONE**				1		03/12/14 16:37		
Appearance	**CLEAR**				1		03/12/14 16:37		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 17:21	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:21	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 17:21	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 17:21	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 17:21	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	75	%	20-130		1	02/25/14 14:30	03/07/14 17:21	877-09-8	
Decachlorobiphenyl (S)	81	%	20-130		1	02/25/14 14:30	03/07/14 17:21	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:42	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/22/14 08:45	02/24/14 23:42	7440-38-2	
Barium	**214**	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:42	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/22/14 08:45	02/24/14 23:42	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/22/14 08:45	02/24/14 23:42	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:42	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:42	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:42	7440-50-8	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-7 **Lab ID: 92190605002** Collected: 02/20/14 15:55 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:42	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:42	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/22/14 08:45	02/24/14 23:42	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:42	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/22/14 08:45	02/24/14 23:42	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/22/14 08:45	02/24/14 23:42	7440-62-2	
Zinc	**54.0**	ug/L	10.0	10.0	1	02/22/14 08:45	02/24/14 23:42	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/24/14 19:35	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 07:09	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 07:09	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 07:09	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 07:09	107-05-1	
Benzene	**0.72J**	ug/L	1.0	0.25	1		02/24/14 07:09	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 07:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 07:09	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 07:09	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 07:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 07:09	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 07:09	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 07:09	56-23-5	
Chlorobenzene	**1.2**	ug/L	1.0	0.23	1		02/24/14 07:09	108-90-7	
Chloroethane	**1.2**	ug/L	1.0	0.54	1		02/24/14 07:09	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 07:09	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 07:09	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 07:09	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 07:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 07:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 07:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 07:09	74-95-3	
1,2-Dichlorobenzene	**2.8**	ug/L	1.0	0.30	1		02/24/14 07:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 07:09	541-73-1	
1,4-Dichlorobenzene	**2.3**	ug/L	1.0	0.33	1		02/24/14 07:09	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 07:09	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 07:09	75-71-8	
1,1-Dichloroethane	**2.3**	ug/L	1.0	0.32	1		02/24/14 07:09	75-34-3	
1,2-Dichloroethane	**1.7**	ug/L	1.0	0.12	1		02/24/14 07:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 07:09	75-35-4	
cis-1,2-Dichloroethene	**1.6**	ug/L	1.0	0.19	1		02/24/14 07:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 07:09	156-60-5	
1,2-Dichloropropane	**0.53J**	ug/L	1.0	0.27	1		02/24/14 07:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 07:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 07:09	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-7 **Lab ID: 92190605002** Collected: 02/20/14 15:55 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 07:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 07:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 07:09	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 07:09	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 07:09	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 07:09	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 07:09	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 07:09	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 07:09	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 07:09	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 07:09	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 07:09	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 07:09	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 07:09	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 07:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 07:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 07:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 07:09	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 07:09	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 07:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 07:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 07:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 07:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 07:09	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 07:09	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 07:09	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 07:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 07:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 07:09	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/24/14 07:09	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/24/14 07:09	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 07:09	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 12:51	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-8 **Lab ID: 92190605003** Collected: 02/20/14 16:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:33		
Collected Date	**02/20/14**				1		03/12/14 16:33		
Collected Time	**16:40**				1		03/12/14 16:33		
Field pH	**6.3**	Std. Units	0.10	0.10	1		03/12/14 16:33		
Field Temperature	**10.5**	deg C	0.50	0.50	1		03/12/14 16:33		
Field Specific Conductance	**208**	umhos/cm	1.0	1.0	1		03/12/14 16:33		
Turbidity	**2.87**	NTU	1.0	1.0	1		03/12/14 16:33		
Odor	**NONE**				1		03/12/14 16:33		
Appearance	**CLEAR**				1		03/12/14 16:33		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 17:38	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:38	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 17:38	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 17:38	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 17:38	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	67	%	20-130		1	02/25/14 14:30	03/07/14 17:38	877-09-8	
Decachlorobiphenyl (S)	72	%	20-130		1	02/25/14 14:30	03/07/14 17:38	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:22	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 22:22	7440-38-2	
Barium	**13.0**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:22	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:22	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:22	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:22	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:22	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:22	7440-50-8	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-8 **Lab ID: 92190605003** Collected: 02/20/14 16:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:22	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:22	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:22	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:22	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 22:22	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:22	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:22	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/24/14 19:38	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 07:25	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 07:25	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 07:25	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 07:25	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 07:25	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 07:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 07:25	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 07:25	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 07:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 07:25	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 07:25	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 07:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 07:25	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 07:25	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 07:25	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 07:25	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 07:25	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 07:25	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 07:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 07:25	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 07:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 07:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 07:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 07:25	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 07:25	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 07:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/24/14 07:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 07:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 07:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/24/14 07:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 07:25	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 07:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 07:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 07:25	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-8 **Lab ID: 92190605003** Collected: 02/20/14 16:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 07:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 07:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 07:25	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 07:25	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 07:25	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 07:25	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 07:25	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 07:25	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 07:25	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 07:25	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 07:25	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 07:25	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 07:25	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 07:25	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 07:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 07:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 07:25	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 07:25	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 07:25	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 07:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 07:25	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 07:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 07:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 07:25	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 07:25	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 07:25	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 07:25	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 07:25	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 07:25	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/24/14 07:25	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/24/14 07:25	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 07:25	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 12:56	57-12-5	M1

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-9 **Lab ID: 92190605004** Collected: 02/20/14 17:05 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:38		
Collected Date	**02/20/14**				1		03/12/14 16:38		
Collected Time	**17:05**				1		03/12/14 16:38		
Field pH	**5.9**	Std. Units	0.10	0.10	1		03/12/14 16:38		
Field Temperature	**11.4**	deg C	0.50	0.50	1		03/12/14 16:38		
Field Specific Conductance	**115**	umhos/cm	1.0	1.0	1		03/12/14 16:38		
Turbidity	**3.70**	NTU	1.0	1.0	1		03/12/14 16:38		
Odor	**NONE**				1		03/12/14 16:38		
Appearance	**CLEAR**				1		03/12/14 16:38		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 17:56	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 17:56	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 17:56	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 17:56	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 17:56	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	71	%	20-130		1	02/25/14 14:30	03/07/14 17:56	877-09-8	
Decachlorobiphenyl (S)	71	%	20-130		1	02/25/14 14:30	03/07/14 17:56	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:33	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 22:33	7440-38-2	
Barium	**92.5**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:33	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:33	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:33	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:33	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:33	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:33	7440-50-8	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-9 **Lab ID: 92190605004** Collected: 02/20/14 17:05 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:33	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:33	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:33	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:33	7440-22-4	
Thallium	**6.4**	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 22:33	7440-28-0	
Vanadium	**6.5**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:33	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:33	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/24/14 19:40	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 07:41	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 07:41	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 07:41	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 07:41	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 07:41	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 07:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 07:41	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 07:41	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 07:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 07:41	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 07:41	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 07:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 07:41	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 07:41	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 07:41	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 07:41	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 07:41	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 07:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 07:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 07:41	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 07:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 07:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 07:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 07:41	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 07:41	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 07:41	75-71-8	
1,1-Dichloroethane	**0.72J**	ug/L	1.0	0.32	1		02/24/14 07:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 07:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 07:41	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	0.19	1		02/24/14 07:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 07:41	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 07:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 07:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 07:41	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-9 **Lab ID: 92190605004** Collected: 02/20/14 17:05 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 07:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 07:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 07:41	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 07:41	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 07:41	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 07:41	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 07:41	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 07:41	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 07:41	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 07:41	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 07:41	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 07:41	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 07:41	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 07:41	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 07:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 07:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 07:41	79-34-5	
Tetrachloroethene	**0.65J**	ug/L	1.0	0.46	1		02/24/14 07:41	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 07:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 07:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 07:41	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 07:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 07:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 07:41	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 07:41	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 07:41	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 07:41	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 07:41	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 07:41	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/24/14 07:41	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	70-130		1		02/24/14 07:41	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 07:41	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 12:58	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-10 **Lab ID: 92190605005** Collected: 02/20/14 17:25 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:40		
Collected Date	**02/20/14**				1		03/12/14 16:40		
Collected Time	**17:25**				1		03/12/14 16:40		
Field pH	**5.5**	Std. Units	0.10	0.10	1		03/12/14 16:40		
Field Temperature	**11.6**	deg C	0.50	0.50	1		03/12/14 16:40		
Field Specific Conductance	**62**	umhos/cm	1.0	1.0	1		03/12/14 16:40		
Turbidity	**67**	NTU	1.0	1.0	1		03/12/14 16:40		
Odor	**NONE**				1		03/12/14 16:40		
Appearance	**OPAQUE**				1		03/12/14 16:40		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 18:13	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 18:13	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 18:13	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 18:13	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 18:13	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	78	%	20-130		1	02/25/14 14:30	03/07/14 18:13	877-09-8	
Decachlorobiphenyl (S)	65	%	20-130		1	02/25/14 14:30	03/07/14 18:13	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:36	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 22:36	7440-38-2	
Barium	**97.3**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:36	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:36	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:36	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:36	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:36	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:36	7440-50-8	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-10 **Lab ID: 92190605005** Collected: 02/20/14 17:25 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:36	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:36	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:36	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:36	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 22:36	7440-28-0	
Vanadium	**7.6**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:36	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:36	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/24/14 19:43	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 07:56	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 07:56	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 07:56	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 07:56	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 07:56	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 07:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 07:56	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 07:56	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 07:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 07:56	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 07:56	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 07:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 07:56	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 07:56	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 07:56	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 07:56	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 07:56	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 07:56	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 07:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 07:56	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 07:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 07:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 07:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 07:56	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 07:56	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 07:56	75-71-8	
1,1-Dichloroethane	**1.1**	ug/L	1.0	0.32	1		02/24/14 07:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 07:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 07:56	75-35-4	
cis-1,2-Dichloroethene	**1.2**	ug/L	1.0	0.19	1		02/24/14 07:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 07:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 07:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 07:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 07:56	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-10 **Lab ID: 92190605005** Collected: 02/20/14 17:25 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 07:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 07:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 07:56	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 07:56	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 07:56	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 07:56	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 07:56	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 07:56	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 07:56	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 07:56	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 07:56	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 07:56	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 07:56	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 07:56	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 07:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 07:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 07:56	79-34-5	
Tetrachloroethene	**0.54J**	ug/L	1.0	0.46	1		02/24/14 07:56	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 07:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 07:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 07:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 07:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 07:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 07:56	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 07:56	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 07:56	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 07:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 07:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 07:56	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		02/24/14 07:56	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/24/14 07:56	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 07:56	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 12:59	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-19 **Lab ID: 92190605006** Collected: 02/20/14 16:10 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:41		
Collected Date	**02/20/14**				1		03/12/14 16:41		
Collected Time	**16:10**				1		03/12/14 16:41		
Field pH	**5.8**	Std. Units	0.10	0.10	1		03/12/14 16:41		
Field Temperature	**13.6**	deg C	0.50	0.50	1		03/12/14 16:41		
Field Specific Conductance	**440**	umhos/cm	1.0	1.0	1		03/12/14 16:41		
Turbidity	**2.22**	NTU	1.0	1.0	1		03/12/14 16:41		
Odor	**NONE**				1		03/12/14 16:41		
Appearance	**CLEAR**				1		03/12/14 16:41		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 19:06	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:06	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 19:06	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 19:06	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 19:06	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	62	%	20-130		1	02/25/14 14:30	03/07/14 19:06	877-09-8	
Decachlorobiphenyl (S)	84	%	20-130		1	02/25/14 14:30	03/07/14 19:06	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:39	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 22:39	7440-38-2	
Barium	**183**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:39	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:39	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:39	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:39	7440-47-3	
Cobalt	**10.2**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:39	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:39	7440-50-8	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-19 **Lab ID: 92190605006** Collected: 02/20/14 16:10 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:39	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:39	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:39	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:39	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 22:39	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:39	7440-62-2	
Zinc	**12.5**	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:39	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/24/14 19:46	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 08:12	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 08:12	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 08:12	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 08:12	107-05-1	
Benzene	**0.73J**	ug/L	1.0	0.25	1		02/24/14 08:12	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 08:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 08:12	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 08:12	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 08:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 08:12	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 08:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 08:12	56-23-5	
Chlorobenzene	**1.8**	ug/L	1.0	0.23	1		02/24/14 08:12	108-90-7	
Chloroethane	**1.7**	ug/L	1.0	0.54	1		02/24/14 08:12	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 08:12	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 08:12	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 08:12	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 08:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 08:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 08:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 08:12	74-95-3	
1,2-Dichlorobenzene	**3.1**	ug/L	1.0	0.30	1		02/24/14 08:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 08:12	541-73-1	
1,4-Dichlorobenzene	**2.8**	ug/L	1.0	0.33	1		02/24/14 08:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 08:12	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 08:12	75-71-8	
1,1-Dichloroethane	**3.4**	ug/L	1.0	0.32	1		02/24/14 08:12	75-34-3	
1,2-Dichloroethane	**3.0**	ug/L	1.0	0.12	1		02/24/14 08:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 08:12	75-35-4	
cis-1,2-Dichloroethene	**1.9**	ug/L	1.0	0.19	1		02/24/14 08:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 08:12	156-60-5	
1,2-Dichloropropane	**0.79J**	ug/L	1.0	0.27	1		02/24/14 08:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 08:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 08:12	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-19 **Lab ID: 92190605006** Collected: 02/20/14 16:10 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 08:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 08:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 08:12	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 08:12	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 08:12	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 08:12	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 08:12	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 08:12	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 08:12	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 08:12	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 08:12	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 08:12	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 08:12	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 08:12	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 08:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 08:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 08:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 08:12	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 08:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 08:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 08:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 08:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 08:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 08:12	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 08:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 08:12	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 08:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 08:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 08:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/24/14 08:12	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/24/14 08:12	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		02/24/14 08:12	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:00	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-19D **Lab ID: 92190605007** Collected: 02/20/14 16:20 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:42		
Collected Date	**02/20/14**				1		03/12/14 16:42		
Collected Time	**16:20**				1		03/12/14 16:42		
Field pH	**6.1**	Std. Units	0.10	0.10	1		03/12/14 16:42		
Field Temperature	**12.8**	deg C	0.50	0.50	1		03/12/14 16:42		
Field Specific Conductance	**639**	umhos/cm	1.0	1.0	1		03/12/14 16:42		
Turbidity	**3.12**	NTU	1.0	1.0	1		03/12/14 16:42		
Odor	**NONE**				1		03/12/14 16:42		
Appearance	**CLEAR**				1		03/12/14 16:42		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 19:23	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:23	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 19:23	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 19:23	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 19:23	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	61	%	20-130		1	02/25/14 14:30	03/07/14 19:23	877-09-8	
Decachlorobiphenyl (S)	101	%	20-130		1	02/25/14 14:30	03/07/14 19:23	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:53	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 22:53	7440-38-2	
Barium	**278**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:53	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:53	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:53	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:53	7440-47-3	
Cobalt	**13.9**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:53	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:53	7440-50-8	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-19D **Lab ID: 92190605007** Collected: 02/20/14 16:20 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:53	7439-92-1	
Nickel	**6.5**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:53	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:53	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:53	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 22:53	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:53	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:53	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/24/14 19:48	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 08:27	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 08:27	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 08:27	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 08:27	107-05-1	
Benzene	**0.54J**	ug/L	1.0	0.25	1		02/24/14 08:27	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 08:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 08:27	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 08:27	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 08:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 08:27	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 08:27	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 08:27	56-23-5	
Chlorobenzene	**2.0**	ug/L	1.0	0.23	1		02/24/14 08:27	108-90-7	
Chloroethane	**1.6**	ug/L	1.0	0.54	1		02/24/14 08:27	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 08:27	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 08:27	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 08:27	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 08:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 08:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 08:27	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 08:27	74-95-3	
1,2-Dichlorobenzene	**3.3**	ug/L	1.0	0.30	1		02/24/14 08:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 08:27	541-73-1	
1,4-Dichlorobenzene	**2.5**	ug/L	1.0	0.33	1		02/24/14 08:27	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 08:27	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 08:27	75-71-8	
1,1-Dichloroethane	**2.3**	ug/L	1.0	0.32	1		02/24/14 08:27	75-34-3	
1,2-Dichloroethane	**2.6**	ug/L	1.0	0.12	1		02/24/14 08:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 08:27	75-35-4	
cis-1,2-Dichloroethene	**0.58J**	ug/L	1.0	0.19	1		02/24/14 08:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 08:27	156-60-5	
1,2-Dichloropropane	**0.71J**	ug/L	1.0	0.27	1		02/24/14 08:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 08:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 08:27	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-19D **Lab ID: 92190605007** Collected: 02/20/14 16:20 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 08:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 08:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 08:27	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 08:27	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 08:27	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 08:27	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 08:27	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 08:27	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 08:27	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 08:27	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 08:27	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 08:27	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 08:27	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 08:27	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 08:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 08:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 08:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 08:27	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 08:27	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 08:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 08:27	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 08:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 08:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 08:27	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 08:27	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 08:27	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 08:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 08:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 08:27	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/24/14 08:27	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/24/14 08:27	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 08:27	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:01	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-20 **Lab ID: 92190605008** Collected: 02/20/14 17:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:42		
Collected Date	**02/20/14**				1		03/12/14 16:42		
Collected Time	**17:40**				1		03/12/14 16:42		
Field pH	**6.3**	Std. Units	0.10	0.10	1		03/12/14 16:42		
Field Temperature	**13.4**	deg C	0.50	0.50	1		03/12/14 16:42		
Field Specific Conductance	**61**	umhos/cm	1.0	1.0	1		03/12/14 16:42		
Turbidity	**3.38**	NTU	1.0	1.0	1		03/12/14 16:42		
Odor	**NONE**				1		03/12/14 16:42		
Appearance	**CLEAR**				1		03/12/14 16:42		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 19:41	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:41	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 19:41	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 19:41	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 19:41	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	70	%	20-130		1	02/25/14 14:30	03/07/14 19:41	877-09-8	
Decachlorobiphenyl (S)	65	%	20-130		1	02/25/14 14:30	03/07/14 19:41	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:56	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 22:56	7440-38-2	
Barium	**32.5**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:56	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:56	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 22:56	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:56	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:56	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:56	7440-50-8	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-20 **Lab ID: 92190605008** Collected: 02/20/14 17:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:56	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:56	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:56	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:56	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 22:56	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 22:56	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 22:56	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/25/14 15:47	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 08:43	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 08:43	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 08:43	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 08:43	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 08:43	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 08:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 08:43	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 08:43	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 08:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 08:43	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 08:43	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 08:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 08:43	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 08:43	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 08:43	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 08:43	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 08:43	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 08:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 08:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 08:43	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 08:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 08:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 08:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 08:43	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 08:43	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 08:43	75-71-8	
1,1-Dichloroethane	**0.67J**	ug/L	1.0	0.32	1		02/24/14 08:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 08:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 08:43	75-35-4	
cis-1,2-Dichloroethene	**0.35J**	ug/L	1.0	0.19	1		02/24/14 08:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 08:43	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 08:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 08:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 08:43	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-20 **Lab ID: 92190605008** Collected: 02/20/14 17:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 08:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 08:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 08:43	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 08:43	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 08:43	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 08:43	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 08:43	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 08:43	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 08:43	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 08:43	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 08:43	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 08:43	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 08:43	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 08:43	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 08:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 08:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 08:43	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 08:43	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 08:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 08:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 08:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 08:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 08:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 08:43	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 08:43	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 08:43	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 08:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 08:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 08:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/24/14 08:43	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/24/14 08:43	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 08:43	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:02	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-20D **Lab ID: 92190605009** Collected: 02/20/14 17:55 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:44		
Collected Date	**02/20/14**				1		03/12/14 16:44		
Collected Time	**17:55**				1		03/12/14 16:44		
Field pH	**6.6**	Std. Units	0.10	0.10	1		03/12/14 16:44		
Field Temperature	**12.0**	deg C	0.50	0.50	1		03/12/14 16:44		
Field Specific Conductance	**91**	umhos/cm	1.0	1.0	1		03/12/14 16:44		
Turbidity	**55**	NTU	1.0	1.0	1		03/12/14 16:44		
Odor	**NONE**				1		03/12/14 16:44		
Appearance	**CLOUDY**				1		03/12/14 16:44		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 19:58	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 19:58	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 19:58	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 19:58	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 19:58	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	65	%	20-130		1	02/25/14 14:30	03/07/14 19:58	877-09-8	
Decachlorobiphenyl (S)	57	%	20-130		1	02/25/14 14:30	03/07/14 19:58	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:00	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:00	7440-38-2	
Barium	**109**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:00	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:00	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:00	7440-43-9	
Chromium	**10.8**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:00	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:00	7440-48-4	
Copper	**10.8**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:00	7440-50-8	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-20D **Lab ID: 92190605009** Collected: 02/20/14 17:55 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:00	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:00	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:00	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:00	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:00	7440-28-0	
Vanadium	**15.8**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:00	7440-62-2	
Zinc	**42.2**	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:00	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/25/14 15:50	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 08:59	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 08:59	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 08:59	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 08:59	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 08:59	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 08:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 08:59	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 08:59	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 08:59	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 08:59	78-93-3	
Carbon disulfide	**1.2J**	ug/L	2.0	1.2	1		02/24/14 08:59	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 08:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 08:59	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 08:59	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 08:59	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 08:59	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 08:59	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 08:59	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 08:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 08:59	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 08:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 08:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 08:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 08:59	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 08:59	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 08:59	75-71-8	
1,1-Dichloroethane	**1.1**	ug/L	1.0	0.32	1		02/24/14 08:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 08:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 08:59	75-35-4	
cis-1,2-Dichloroethene	**0.96J**	ug/L	1.0	0.19	1		02/24/14 08:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 08:59	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 08:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 08:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 08:59	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-20D **Lab ID: 92190605009** Collected: 02/20/14 17:55 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 08:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 08:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 08:59	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 08:59	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 08:59	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 08:59	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 08:59	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 08:59	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 08:59	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 08:59	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 08:59	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 08:59	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 08:59	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 08:59	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 08:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 08:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 08:59	79-34-5	
Tetrachloroethene	**0.52J**	ug/L	1.0	0.46	1		02/24/14 08:59	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 08:59	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 08:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 08:59	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 08:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 08:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 08:59	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 08:59	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 08:59	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 08:59	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 08:59	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 08:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/24/14 08:59	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/24/14 08:59	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 08:59	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:04	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-21 **Lab ID: 92190605010** Collected: 02/20/14 14:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:44		
Collected Date	**02/20/14**				1		03/12/14 16:44		
Collected Time	**14:40**				1		03/12/14 16:44		
Field pH	**5.4**	Std. Units	0.10	0.10	1		03/12/14 16:44		
Field Temperature	**14.1**	deg C	0.50	0.50	1		03/12/14 16:44		
Field Specific Conductance	**18**	umhos/cm	1.0	1.0	1		03/12/14 16:44		
Turbidity	**100**	NTU	1.0	1.0	1		03/12/14 16:44		
Odor	**NONE**				1		03/12/14 16:44		
Appearance	**OPAQUE**				1		03/12/14 16:44		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 20:16	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:16	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 20:16	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 20:16	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 20:16	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	67	%	20-130		1	02/25/14 14:30	03/07/14 20:16	877-09-8	
Decachlorobiphenyl (S)	71	%	20-130		1	02/25/14 14:30	03/07/14 20:16	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:03	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:03	7440-38-2	
Barium	**122**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:03	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:03	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:03	7440-43-9	
Chromium	**11.0**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:03	7440-47-3	
Cobalt	**6.0**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:03	7440-48-4	
Copper	**8.3**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:03	7440-50-8	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-21 **Lab ID: 92190605010** Collected: 02/20/14 14:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:03	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:03	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:03	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:03	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:03	7440-28-0	
Vanadium	**16.5**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:03	7440-62-2	
Zinc	**22.2**	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:03	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/25/14 15:52	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 09:14	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 09:14	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 09:14	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 09:14	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 09:14	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 09:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 09:14	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 09:14	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 09:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 09:14	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 09:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 09:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 09:14	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 09:14	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 09:14	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 09:14	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 09:14	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 09:14	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 09:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 09:14	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 09:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 09:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 09:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 09:14	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 09:14	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 09:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/24/14 09:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 09:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 09:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/24/14 09:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 09:14	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 09:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 09:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 09:14	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-21 **Lab ID: 92190605010** Collected: 02/20/14 14:40 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 09:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 09:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 09:14	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 09:14	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 09:14	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 09:14	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 09:14	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 09:14	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 09:14	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 09:14	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 09:14	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 09:14	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 09:14	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 09:14	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 09:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 09:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 09:14	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 09:14	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 09:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 09:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 09:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 09:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 09:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 09:14	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 09:14	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 09:14	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 09:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 09:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 09:14	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/24/14 09:14	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/24/14 09:14	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 09:14	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:05	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-24 **Lab ID: 92190605011** Collected: 02/20/14 15:00 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:46		
Collected Date	**02/20/14**				1		03/12/14 16:46		
Collected Time	**13:00**				1		03/12/14 16:46		
Field pH	**6.1**	Std. Units	0.10	0.10	1		03/12/14 16:46		
Field Temperature	**12.5**	deg C	0.50	0.50	1		03/12/14 16:46		
Field Specific Conductance	**55**	umhos/cm	1.0	1.0	1		03/12/14 16:46		
Turbidity	**4.20**	NTU	1.0	1.0	1		03/12/14 16:46		
Odor	**NONE**				1		03/12/14 16:46		
Appearance	**CLEAR**				1		03/12/14 16:46		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 20:33	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:33	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 20:33	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 20:33	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 20:33	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	70	%	20-130		1	02/25/14 14:30	03/07/14 20:33	877-09-8	
Decachlorobiphenyl (S)	73	%	20-130		1	02/25/14 14:30	03/07/14 20:33	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:06	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:06	7440-38-2	
Barium	**42.8**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:06	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:06	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:06	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:06	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:06	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:06	7440-50-8	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-24 **Lab ID: 92190605011** Collected: 02/20/14 15:00 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:06	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:06	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:06	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:06	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:06	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:06	7440-62-2	
Zinc	**13.8**	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:06	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/25/14 15:55	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 09:30	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 09:30	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 09:30	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 09:30	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 09:30	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 09:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 09:30	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 09:30	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 09:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 09:30	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 09:30	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 09:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 09:30	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 09:30	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 09:30	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 09:30	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 09:30	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 09:30	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 09:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 09:30	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 09:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 09:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 09:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 09:30	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 09:30	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 09:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/24/14 09:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 09:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 09:30	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/24/14 09:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 09:30	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 09:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 09:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 09:30	594-20-7	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: MW-24 **Lab ID: 92190605011** Collected: 02/20/14 15:00 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 09:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 09:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 09:30	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 09:30	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 09:30	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 09:30	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 09:30	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 09:30	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 09:30	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 09:30	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 09:30	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 09:30	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 09:30	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 09:30	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 09:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 09:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 09:30	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 09:30	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 09:30	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 09:30	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 09:30	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 09:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 09:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 09:30	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 09:30	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 09:30	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 09:30	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 09:30	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 09:30	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/24/14 09:30	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/24/14 09:30	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 09:30	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:06	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: US-1 **Lab ID: 92190605012** Collected: 02/20/14 14:15 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:46		
Collected Date	**02/20/14**				1		03/12/14 16:46		
Collected Time	**14:15**				1		03/12/14 16:46		
Field pH	**6.6**	Std. Units	0.10	0.10	1		03/12/14 16:46		
Field Temperature	**12.2**	deg C	0.50	0.50	1		03/12/14 16:46		
Field Specific Conductance	**68**	umhos/cm	1.0	1.0	1		03/12/14 16:46		
Turbidity	**4.61**	NTU	1.0	1.0	1		03/12/14 16:46		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 20:51	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 20:51	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 20:51	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 20:51	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 20:51	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	65	%	20-130		1	02/25/14 14:30	03/07/14 20:51	877-09-8	
Decachlorobiphenyl (S)	71	%	20-130		1	02/25/14 14:30	03/07/14 20:51	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:09	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:09	7440-38-2	
Barium	**39.6**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:09	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:09	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:09	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:09	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:09	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:09	7440-50-8	
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:09	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:09	7440-02-0	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: US-1 **Lab ID: 92190605012** Collected: 02/20/14 14:15 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:09	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:09	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:09	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:09	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:09	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/28/14 20:12	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 09:46	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 09:46	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 09:46	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 09:46	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 09:46	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 09:46	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 09:46	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 09:46	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 09:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 09:46	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 09:46	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 09:46	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 09:46	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 09:46	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 09:46	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 09:46	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 09:46	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 09:46	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 09:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 09:46	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 09:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 09:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 09:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 09:46	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 09:46	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 09:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/24/14 09:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 09:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 09:46	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/24/14 09:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 09:46	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 09:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 09:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 09:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 09:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 09:46	10061-01-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: US-1 **Lab ID: 92190605012** Collected: 02/20/14 14:15 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 09:46	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 09:46	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 09:46	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 09:46	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 09:46	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 09:46	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 09:46	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 09:46	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 09:46	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 09:46	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 09:46	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 09:46	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 09:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 09:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 09:46	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 09:46	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 09:46	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 09:46	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 09:46	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 09:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 09:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 09:46	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 09:46	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 09:46	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 09:46	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 09:46	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 09:46	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/24/14 09:46	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/24/14 09:46	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 09:46	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:07	57-12-5	

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Asheville, NC 28804
(828)254-7176

ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: DS-1 **Lab ID: 92190605013** Collected: 02/20/14 12:45 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:47		
Collected Date	**02/20/14**				1		03/12/14 16:47		
Collected Time	**12:45**				1		03/12/14 16:47		
Field pH	**7.1**	Std. Units	0.10	0.10	1		03/12/14 16:47		
Field Temperature	**13.2**	deg C	0.50	0.50	1		03/12/14 16:47		
Field Specific Conductance	**54**	umhos/cm	1.0	1.0	1		03/12/14 16:47		
Turbidity	**3.41**	NTU	1.0	1.0	1		03/12/14 16:47		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 21:08	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:08	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 21:08	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 21:08	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 21:08	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	66	%	20-130		1	02/25/14 14:30	03/07/14 21:08	877-09-8	
Decachlorobiphenyl (S)	72	%	20-130		1	02/25/14 14:30	03/07/14 21:08	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:12	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:12	7440-38-2	
Barium	**40.6**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:12	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:12	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:12	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:12	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:12	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:12	7440-50-8	
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:12	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:12	7440-02-0	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: DS-1 **Lab ID: 92190605013** Collected: 02/20/14 12:45 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:12	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:12	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:12	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:12	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:12	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/28/14 20:20	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 10:01	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 10:01	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 10:01	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 10:01	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 10:01	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 10:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 10:01	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 10:01	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 10:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 10:01	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 10:01	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 10:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 10:01	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 10:01	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 10:01	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 10:01	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 10:01	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 10:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 10:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 10:01	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 10:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 10:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 10:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 10:01	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 10:01	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 10:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/24/14 10:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 10:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 10:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/24/14 10:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 10:01	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 10:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 10:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 10:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 10:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 10:01	10061-01-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: DS-1 **Lab ID: 92190605013** Collected: 02/20/14 12:45 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 10:01	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 10:01	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 10:01	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 10:01	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 10:01	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 10:01	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 10:01	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 10:01	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 10:01	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 10:01	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 10:01	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 10:01	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 10:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 10:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 10:01	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 10:01	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 10:01	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 10:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 10:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 10:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 10:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 10:01	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 10:01	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 10:01	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 10:01	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 10:01	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 10:01	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/24/14 10:01	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/24/14 10:01	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 10:01	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:08	57-12-5	M1

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: DS-2 **Lab ID: 92190605014** Collected: 02/20/14 16:30 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:47		
Collected Date	**02/20/14**				1		03/12/14 16:47		
Collected Time	**16:30**				1		03/12/14 16:47		
Field pH	**7.3**	Std. Units	0.10	0.10	1		03/12/14 16:47		
Field Temperature	**11.9**	deg C	0.50	0.50	1		03/12/14 16:47		
Field Specific Conductance	**74**	umhos/cm	1.0	1.0	1		03/12/14 16:47		
Turbidity	**4.38**	NTU	1.0	1.0	1		03/12/14 16:47		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 21:26	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 21:26	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 21:26	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 21:26	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 21:26	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	60	%	20-130		1	02/25/14 14:30	03/07/14 21:26	877-09-8	
Decachlorobiphenyl (S)	66	%	20-130		1	02/25/14 14:30	03/07/14 21:26	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:16	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:16	7440-38-2	
Barium	**43.8**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:16	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:16	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:16	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:16	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:16	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:16	7440-50-8	
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:16	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:16	7440-02-0	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: DS-2 **Lab ID: 92190605014** Collected: 02/20/14 16:30 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:16	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:16	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:16	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:16	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:16	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/28/14 20:22	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 10:17	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 10:17	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 10:17	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 10:17	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 10:17	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 10:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 10:17	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 10:17	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 10:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 10:17	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 10:17	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 10:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 10:17	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 10:17	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 10:17	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 10:17	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 10:17	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 10:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 10:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 10:17	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 10:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 10:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 10:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 10:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 10:17	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 10:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/24/14 10:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 10:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 10:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/24/14 10:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 10:17	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 10:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 10:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 10:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 10:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 10:17	10061-01-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: DS-2 **Lab ID: 92190605014** Collected: 02/20/14 16:30 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 10:17	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 10:17	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 10:17	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 10:17	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 10:17	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 10:17	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 10:17	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 10:17	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 10:17	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 10:17	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 10:17	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 10:17	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 10:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 10:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 10:17	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 10:17	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 10:17	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 10:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 10:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 10:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 10:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 10:17	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 10:17	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 10:17	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 10:17	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 10:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 10:17	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		02/24/14 10:17	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/24/14 10:17	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/24/14 10:17	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:10	57-12-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: DS-3 **Lab ID: 92190605015** Collected: 02/20/14 18:30 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:48		
Collected Date	**02/20/14**				1		03/12/14 16:48		
Collected Time	**18:30**				1		03/12/14 16:48		
Field pH	**7.1**	Std. Units	0.10	0.10	1		03/12/14 16:48		
Field Temperature	**12.3**	deg C	0.50	0.50	1		03/12/14 16:48		
Field Specific Conductance	**80**	umhos/cm	1.0	1.0	1		03/12/14 16:48		
Turbidity	**4.92**	NTU	1.0	1.0	1		03/12/14 16:48		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 22:36	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:36	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 22:36	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 22:36	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 22:36	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	64	%	20-130		1	02/25/14 14:30	03/07/14 22:36	877-09-8	
Decachlorobiphenyl (S)	64	%	20-130		1	02/25/14 14:30	03/07/14 22:36	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:19	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:19	7440-38-2	
Barium	**46.6**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:19	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:19	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:19	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:19	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:19	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:19	7440-50-8	
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:19	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:19	7440-02-0	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: DS-3 **Lab ID: 92190605015** Collected: 02/20/14 18:30 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:19	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:19	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:19	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:19	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:19	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/28/14 20:25	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/24/14 10:32	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/24/14 10:32	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/24/14 10:32	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/24/14 10:32	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/24/14 10:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/24/14 10:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/24/14 10:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/24/14 10:32	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/24/14 10:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/24/14 10:32	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/24/14 10:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/24/14 10:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/24/14 10:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/24/14 10:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/24/14 10:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/24/14 10:32	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/24/14 10:32	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/24/14 10:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/24/14 10:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/24/14 10:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/24/14 10:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/24/14 10:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/24/14 10:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/24/14 10:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/24/14 10:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/24/14 10:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/24/14 10:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/24/14 10:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/24/14 10:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/24/14 10:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/24/14 10:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/24/14 10:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/24/14 10:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/24/14 10:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/24/14 10:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/24/14 10:32	10061-01-5	

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ANALYTICAL RESULTS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Sample: DS-3 **Lab ID: 92190605015** Collected: 02/20/14 18:30 Received: 02/21/14 09:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/24/14 10:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/24/14 10:32	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/24/14 10:32	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/24/14 10:32	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/24/14 10:32	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/24/14 10:32	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/24/14 10:32	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/24/14 10:32	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/24/14 10:32	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/24/14 10:32	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/24/14 10:32	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/24/14 10:32	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/24/14 10:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/24/14 10:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/24/14 10:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/24/14 10:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/24/14 10:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/24/14 10:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/24/14 10:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/24/14 10:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/24/14 10:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/24/14 10:32	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/24/14 10:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/24/14 10:32	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/24/14 10:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/24/14 10:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/24/14 10:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	97	%	70-130		1		02/24/14 10:32	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	70-130		1		02/24/14 10:32	17060-07-0	
Toluene-d8 (S)	95	%	70-130		1		02/24/14 10:32	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:11	57-12-5	

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

QC Batch: MERP/6212 — Analysis Method: EPA 7470
QC Batch Method: EPA 7470 — Analysis Description: 7470 Mercury
Associated Lab Samples: 92190605001, 92190605002, 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011

METHOD BLANK: 1143175 — Matrix: Water
Associated Lab Samples: 92190605001, 92190605002, 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	02/24/14 18:53	

LABORATORY CONTROL SAMPLE: 1143176

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1143177 — 1143178

Parameter	Units	92188563001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.6	2.4	103	93	75-125	10	25	

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

QC Batch: MERP/6213 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 92190605012, 92190605013, 92190605014, 92190605015

METHOD BLANK: 1143179 | Matrix: Water
Associated Lab Samples: 92190605012, 92190605013, 92190605014, 92190605015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	02/28/14 20:07	

LABORATORY CONTROL SAMPLE: 1143180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	3.0	118	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1143181 1143182

Parameter	Units	92190605012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	3.0	3.0	119	119	75-125	0	25	

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

QC Batch: MPRP/15293
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92190605001, 92190605002

METHOD BLANK: 1143216
Matrix: Water
Associated Lab Samples: 92190605001, 92190605002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	02/24/14 21:46	
Arsenic	ug/L	ND	10.0	02/24/14 21:46	
Barium	ug/L	ND	5.0	02/24/14 21:46	
Beryllium	ug/L	0.12J	1.0	02/24/14 21:46	
Cadmium	ug/L	ND	1.0	02/24/14 21:46	
Chromium	ug/L	ND	5.0	02/24/14 21:46	
Cobalt	ug/L	ND	5.0	02/24/14 21:46	
Copper	ug/L	0.30J	5.0	02/24/14 21:46	
Lead	ug/L	ND	5.0	02/24/14 21:46	
Nickel	ug/L	1.8J	5.0	02/24/14 21:46	
Selenium	ug/L	ND	10.0	02/24/14 21:46	
Silver	ug/L	0.58J	5.0	02/24/14 21:46	
Thallium	ug/L	ND	5.4	02/24/14 21:46	
Vanadium	ug/L	0.28J	5.0	02/24/14 21:46	
Zinc	ug/L	ND	10.0	02/24/14 21:46	

LABORATORY CONTROL SAMPLE: 1143217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	497	99	80-120	
Arsenic	ug/L	500	484	97	80-120	
Barium	ug/L	500	500	100	80-120	
Beryllium	ug/L	500	512	102	80-120	
Cadmium	ug/L	500	509	102	80-120	
Chromium	ug/L	500	530	106	80-120	
Cobalt	ug/L	500	516	103	80-120	
Copper	ug/L	500	496	99	80-120	
Lead	ug/L	500	500	100	80-120	
Nickel	ug/L	500	505	101	80-120	
Selenium	ug/L	500	497	99	80-120	
Silver	ug/L	250	248	99	80-120	
Thallium	ug/L	500	492	98	80-120	
Vanadium	ug/L	500	509	102	80-120	
Zinc	ug/L	500	502	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1143218 1143219

Parameter	Units	92190532001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	496	504	99	100	75-125	2	25	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1143218 1143219

Parameter	Units	92190532001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	486	492	97	98	75-125	1	25	
Barium	ug/L	36.5	500	500	524	532	98	99	75-125	2	25	
Beryllium	ug/L	ND	500	500	508	515	102	103	75-125	1	25	
Cadmium	ug/L	ND	500	500	496	503	99	101	75-125	1	25	
Chromium	ug/L	ND	500	500	524	531	104	106	75-125	1	25	
Cobalt	ug/L	ND	500	500	505	511	101	102	75-125	1	25	
Copper	ug/L	ND	500	500	493	500	98	100	75-125	1	25	
Lead	ug/L	ND	500	500	483	493	97	99	75-125	2	25	
Nickel	ug/L	36.9J	500	500	528	536	98	100	75-125	2	25	
Selenium	ug/L	ND	500	500	490	501	97	100	75-125	2	25	
Silver	ug/L	ND	250	250	244	247	97	99	75-125	1	25	
Thallium	ug/L	ND	500	500	483	486	96	96	75-125	1	25	
Vanadium	ug/L	ND	500	500	502	509	100	102	75-125	1	25	
Zinc	ug/L	ND	500	500	494	501	98	100	75-125	1	25	

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

QC Batch: MPRP/15308 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011, 92190605012, 92190605013, 92190605014, 92190605015

METHOD BLANK: 1145455 | Matrix: Water
Associated Lab Samples: 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011, 92190605012, 92190605013, 92190605014, 92190605015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	02/27/14 22:15	
Arsenic	ug/L	ND	10.0	02/27/14 22:15	
Barium	ug/L	ND	5.0	02/27/14 22:15	
Beryllium	ug/L	0.19J	1.0	02/27/14 22:15	
Cadmium	ug/L	ND	1.0	02/27/14 22:15	
Chromium	ug/L	ND	5.0	02/27/14 22:15	
Cobalt	ug/L	ND	5.0	02/27/14 22:15	
Copper	ug/L	ND	5.0	02/27/14 22:15	
Lead	ug/L	ND	5.0	02/27/14 22:15	
Nickel	ug/L	ND	5.0	02/27/14 22:15	
Selenium	ug/L	3.5J	10.0	02/27/14 22:15	
Silver	ug/L	0.42J	5.0	02/27/14 22:15	
Thallium	ug/L	ND	5.4	02/27/14 22:15	
Vanadium	ug/L	1.0J	5.0	02/27/14 22:15	
Zinc	ug/L	ND	10.0	02/27/14 22:15	

LABORATORY CONTROL SAMPLE: 1145456

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	496	99	80-120	
Arsenic	ug/L	500	473	95	80-120	
Barium	ug/L	500	481	96	80-120	
Beryllium	ug/L	500	476	95	80-120	
Cadmium	ug/L	500	473	95	80-120	
Chromium	ug/L	500	484	97	80-120	
Cobalt	ug/L	500	475	95	80-120	
Copper	ug/L	500	485	97	80-120	
Lead	ug/L	500	470	94	80-120	
Nickel	ug/L	500	473	95	80-120	
Selenium	ug/L	500	472	94	80-120	
Silver	ug/L	250	241	96	80-120	
Thallium	ug/L	500	471	94	80-120	
Vanadium	ug/L	500	495	99	80-120	
Zinc	ug/L	500	464	93	80-120	

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1145457 1145458

Parameter	Units	92190605003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	496	496	99	99	75-125	0	25	
Arsenic	ug/L	ND	500	500	480	475	96	95	75-125	1	25	
Barium	ug/L	13.0	500	500	487	484	95	94	75-125	1	25	
Beryllium	ug/L	ND	500	500	469	469	94	94	75-125	0	25	
Cadmium	ug/L	ND	500	500	466	467	93	93	75-125	0	25	
Chromium	ug/L	ND	500	500	483	482	96	96	75-125	0	25	
Cobalt	ug/L	ND	500	500	468	468	93	93	75-125	0	25	
Copper	ug/L	ND	500	500	485	482	97	96	75-125	1	25	
Lead	ug/L	ND	500	500	465	462	93	92	75-125	1	25	
Nickel	ug/L	ND	500	500	465	465	93	93	75-125	0	25	
Selenium	ug/L	ND	500	500	479	476	95	95	75-125	1	25	
Silver	ug/L	ND	250	250	241	240	96	96	75-125	0	25	
Thallium	ug/L	ND	500	500	461	463	91	92	75-125	0	25	
Vanadium	ug/L	ND	500	500	497	495	99	99	75-125	0	25	
Zinc	ug/L	ND	500	500	464	465	92	93	75-125	0	25	

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

QC Batch: MSV/25872 | Analysis Method: EPA 8260
QC Batch Method: EPA 8260 | Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92190605001, 92190605002, 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011, 92190605012, 92190605013, 92190605014, 92190605015

METHOD BLANK: 1143610 | Matrix: Water
Associated Lab Samples: 92190605001, 92190605002, 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011, 92190605012, 92190605013, 92190605014, 92190605015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	02/24/14 01:42	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/24/14 01:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	02/24/14 01:42	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/24/14 01:42	
1,1-Dichloroethane	ug/L	ND	1.0	02/24/14 01:42	
1,1-Dichloroethene	ug/L	ND	1.0	02/24/14 01:42	
1,1-Dichloropropene	ug/L	ND	1.0	02/24/14 01:42	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/24/14 01:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	02/24/14 01:42	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/24/14 01:42	
1,2-Dichlorobenzene	ug/L	ND	1.0	02/24/14 01:42	
1,2-Dichloroethane	ug/L	ND	1.0	02/24/14 01:42	
1,2-Dichloropropane	ug/L	ND	1.0	02/24/14 01:42	
1,3-Dichlorobenzene	ug/L	ND	1.0	02/24/14 01:42	
1,3-Dichloropropane	ug/L	ND	1.0	02/24/14 01:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/24/14 01:42	
2,2-Dichloropropane	ug/L	ND	1.0	02/24/14 01:42	
2-Butanone (MEK)	ug/L	ND	5.0	02/24/14 01:42	
2-Hexanone	ug/L	ND	5.0	02/24/14 01:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	02/24/14 01:42	
Acetone	ug/L	ND	25.0	02/24/14 01:42	
Acetonitrile	ug/L	ND	50.0	02/24/14 01:42	
Acrylonitrile	ug/L	ND	10.0	02/24/14 01:42	
Allyl chloride	ug/L	ND	2.0	02/24/14 01:42	
Benzene	ug/L	ND	1.0	02/24/14 01:42	
Bromochloromethane	ug/L	ND	1.0	02/24/14 01:42	
Bromodichloromethane	ug/L	ND	1.0	02/24/14 01:42	
Bromoform	ug/L	ND	1.0	02/24/14 01:42	
Bromomethane	ug/L	ND	2.0	02/24/14 01:42	
Carbon disulfide	ug/L	ND	2.0	02/24/14 01:42	
Carbon tetrachloride	ug/L	ND	1.0	02/24/14 01:42	
Chlorobenzene	ug/L	ND	1.0	02/24/14 01:42	
Chloroethane	ug/L	ND	1.0	02/24/14 01:42	
Chloroform	ug/L	ND	1.0	02/24/14 01:42	
Chloromethane	ug/L	ND	1.0	02/24/14 01:42	
Chloroprene	ug/L	ND	5.0	02/24/14 01:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/24/14 01:42	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/24/14 01:42	
Dibromochloromethane	ug/L	ND	1.0	02/24/14 01:42	

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

METHOD BLANK: 1143610 Matrix: Water

Associated Lab Samples: 92190605001, 92190605002, 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011, 92190605012, 92190605013, 92190605014, 92190605015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	1.0	02/24/14 01:42	
Dichlorodifluoromethane	ug/L	ND	1.0	02/24/14 01:42	
Ethyl methacrylate	ug/L	ND	1.0	02/24/14 01:42	
Ethylbenzene	ug/L	ND	1.0	02/24/14 01:42	
Iodomethane	ug/L	ND	5.0	02/24/14 01:42	
Isobutanol	ug/L	ND	100	02/24/14 01:42	
m&p-Xylene	ug/L	ND	2.0	02/24/14 01:42	
Methacrylonitrile	ug/L	ND	10.0	02/24/14 01:42	
Methyl methacrylate	ug/L	ND	2.0	02/24/14 01:42	
Methylene Chloride	ug/L	ND	1.0	02/24/14 01:42	
Naphthalene	ug/L	ND	1.0	02/24/14 01:42	
o-Xylene	ug/L	ND	1.0	02/24/14 01:42	
Propionitrile	ug/L	ND	20.0	02/24/14 01:42	
Styrene	ug/L	ND	1.0	02/24/14 01:42	
Tetrachloroethene	ug/L	ND	1.0	02/24/14 01:42	
Toluene	ug/L	ND	1.0	02/24/14 01:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/24/14 01:42	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/24/14 01:42	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	02/24/14 01:42	
Trichloroethene	ug/L	ND	1.0	02/24/14 01:42	
Trichlorofluoromethane	ug/L	ND	1.0	02/24/14 01:42	
Vinyl acetate	ug/L	ND	2.0	02/24/14 01:42	
Vinyl chloride	ug/L	ND	1.0	02/24/14 01:42	
Xylene (Total)	ug/L	ND	2.0	02/24/14 01:42	
1,2-Dichloroethane-d4 (S)	%	99	70-130	02/24/14 01:42	
4-Bromofluorobenzene (S)	%	99	70-130	02/24/14 01:42	
Toluene-d8 (S)	%	96	70-130	02/24/14 01:42	

LABORATORY CONTROL SAMPLE: 1143611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	51.0	102	70-130	
1,1,1-Trichloroethane	ug/L	50	45.6	91	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	49.3	99	70-130	
1,1-Dichloroethane	ug/L	50	43.0	86	70-130	
1,1-Dichloroethene	ug/L	50	41.2	82	70-132	
1,1-Dichloropropene	ug/L	50	44.5	89	70-130	
1,2,3-Trichloropropane	ug/L	50	50.0	100	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	54.7	109	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.6	101	70-130	
1,2-Dichlorobenzene	ug/L	50	52.1	104	70-130	
1,2-Dichloroethane	ug/L	50	44.7	89	70-130	
1,2-Dichloropropane	ug/L	50	46.7	93	70-130	

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

LABORATORY CONTROL SAMPLE: 1143611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	50.2	100	70-130	
1,3-Dichloropropane	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	50.9	102	70-130	
2,2-Dichloropropane	ug/L	50	41.3	83	58-145	
2-Butanone (MEK)	ug/L	100	88.9	89	70-145	
2-Hexanone	ug/L	100	99.9	100	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	97.3	97	70-140	
Acetone	ug/L	100	84.8	85	50-175	
Acetonitrile	ug/L	500	415	83	70-130	
Acrylonitrile	ug/L	250	210	84	70-143	
Allyl chloride	ug/L	50	39.8	80	70-130	
Benzene	ug/L	50	48.5	97	70-130	
Bromochloromethane	ug/L	50	44.2	88	70-130	
Bromodichloromethane	ug/L	50	49.0	98	70-130	
Bromoform	ug/L	50	51.9	104	70-130	
Bromomethane	ug/L	50	47.0	94	54-130	
Carbon disulfide	ug/L	50	41.9	84	70-131	
Carbon tetrachloride	ug/L	50	51.7	103	70-132	
Chlorobenzene	ug/L	50	49.7	99	70-130	
Chloroethane	ug/L	50	40.4	81	64-134	
Chloroform	ug/L	50	44.4	89	70-130	
Chloromethane	ug/L	50	40.4	81	64-130	
Chloroprene	ug/L	50	45.9	92	70-130	
cis-1,2-Dichloroethene	ug/L	50	41.8	84	70-131	
cis-1,3-Dichloropropene	ug/L	50	46.4	93	70-130	
Dibromochloromethane	ug/L	50	52.1	104	70-130	
Dibromomethane	ug/L	50	49.1	98	70-131	
Dichlorodifluoromethane	ug/L	50	42.9	86	56-130	
Ethyl methacrylate	ug/L	50	50.2	100	70-130	
Ethylbenzene	ug/L	50	49.9	100	70-130	
Iodomethane	ug/L	100	84.0	84	49-180	
Isobutanol	ug/L	1000	861	86	70-130	
m&p-Xylene	ug/L	100	103	103	70-130	
Methacrylonitrile	ug/L	500	445	89	70-130	
Methyl methacrylate	ug/L	50	48.4	97	70-130	
Methylene Chloride	ug/L	50	41.1	82	63-130	
Naphthalene	ug/L	50	54.2	108	70-138	
o-Xylene	ug/L	50	50.7	101	70-130	
Propionitrile	ug/L	500	437	87	70-130	
Styrene	ug/L	50	51.5	103	70-130	
Tetrachloroethene	ug/L	50	51.3	103	70-130	
Toluene	ug/L	50	48.1	96	70-130	
trans-1,2-Dichloroethene	ug/L	50	41.2	82	70-130	
trans-1,3-Dichloropropene	ug/L	50	48.3	97	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	53.7	107	70-141	
Trichloroethene	ug/L	50	47.6	95	70-130	
Trichlorofluoromethane	ug/L	50	45.0	90	62-133	
Vinyl acetate	ug/L	100	84.1	84	66-157	

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

LABORATORY CONTROL SAMPLE: 1143611

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Vinyl chloride	ug/L	50	43.8	88	69-130	
Xylene (Total)	ug/L	150	153	102	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			99	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1143612 1143613

Parameter	Units	92190605015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	46.0	44.7	92	89	70-166	3	30	
Benzene	ug/L	ND	50	50	51.3	50.3	103	101	70-148	2	30	
Chlorobenzene	ug/L	ND	50	50	52.7	52.7	105	105	70-146	0	30	
Toluene	ug/L	ND	50	50	49.3	48.3	99	97	70-155	2	30	
Trichloroethene	ug/L	ND	50	50	53.9	53.1	108	106	69-151	1	30	
1,2-Dichloroethane-d4 (S)	%						101	102	70-130			
4-Bromofluorobenzene (S)	%						96	98	70-130			
Toluene-d8 (S)	%						96	95	70-130			

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

QC Batch: OEXT/26098 | Analysis Method: EPA 8081
QC Batch Method: EPA 3510 | Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 92190605001, 92190605002, 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011, 92190605012, 92190605013, 92190605014, 92190605015

METHOD BLANK: 1144739 | Matrix: Water
Associated Lab Samples: 92190605001, 92190605002, 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011, 92190605012, 92190605013, 92190605014, 92190605015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.050	03/07/14 16:28	
4,4'-DDE	ug/L	ND	0.050	03/07/14 16:28	
4,4'-DDT	ug/L	ND	0.050	03/07/14 16:28	
Aldrin	ug/L	ND	0.050	03/07/14 16:28	
alpha-BHC	ug/L	ND	0.050	03/07/14 16:28	
beta-BHC	ug/L	ND	0.050	03/07/14 16:28	
Chlordane (Technical)	ug/L	ND	0.20	03/07/14 16:28	
delta-BHC	ug/L	ND	0.050	03/07/14 16:28	
Dieldrin	ug/L	ND	0.050	03/07/14 16:28	
Endosulfan I	ug/L	ND	0.050	03/07/14 16:28	
Endosulfan II	ug/L	ND	0.050	03/07/14 16:28	
Endosulfan sulfate	ug/L	ND	0.050	03/07/14 16:28	
Endrin	ug/L	ND	0.050	03/07/14 16:28	
Endrin aldehyde	ug/L	ND	0.050	03/07/14 16:28	
Endrin ketone	ug/L	ND	0.050	03/07/14 16:28	
gamma-BHC (Lindane)	ug/L	ND	0.050	03/07/14 16:28	
Heptachlor	ug/L	ND	0.050	03/07/14 16:28	
Heptachlor epoxide	ug/L	ND	0.050	03/07/14 16:28	
Hexachlorobenzene	ug/L	ND	0.050	03/07/14 16:28	
Methoxychlor	ug/L	ND	0.15	03/07/14 16:28	
Mirex	ug/L	ND	0.15	03/07/14 16:28	
Toxaphene	ug/L	ND	0.20	03/07/14 16:28	
Decachlorobiphenyl (S)	%	75	20-130	03/07/14 16:28	
Tetrachloro-m-xylene (S)	%	74	20-130	03/07/14 16:28	

LABORATORY CONTROL SAMPLE: 1144740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.25	0.19	79	20-150	
4,4'-DDE	ug/L	.25	0.18	72	20-150	
4,4'-DDT	ug/L	.25	0.19	77	20-150	
Aldrin	ug/L	.25	0.12	50	20-150	
alpha-BHC	ug/L	.25	0.19	76	20-150	
beta-BHC	ug/L	.25	0.20	79	20-150	
delta-BHC	ug/L	.25	0.20	81	20-150	
Dieldrin	ug/L	.25	0.18	74	20-150	
Endosulfan I	ug/L	.25	0.20	80	20-150	
Endosulfan II	ug/L	.25	0.20	80	20-150	

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

LABORATORY CONTROL SAMPLE: 1144740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endosulfan sulfate	ug/L	.25	0.21	83	20-150	
Endrin	ug/L	.25	0.22	88	20-150	
Endrin aldehyde	ug/L	.25	0.19	76	20-150	
Endrin ketone	ug/L	.25	0.21	84	20-150	
gamma-BHC (Lindane)	ug/L	.25	0.19	76	20-150	
Heptachlor	ug/L	.25	0.14	55	20-150	
Heptachlor epoxide	ug/L	.25	0.20	81	20-150	
Hexachlorobenzene	ug/L	.25	0.16	66	20-150	
Methoxychlor	ug/L	.74	0.59	80	20-150	
Mirex	ug/L	.74	0.61	82	20-150	
Decachlorobiphenyl (S)	%			80	20-130	
Tetrachloro-m-xylene (S)	%			77	20-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1144741 1144742

Parameter	Units	92190605005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/L	ND	.25	.25	0.14	0.18	55	74	20-150	29	30	
4,4'-DDE	ug/L	ND	.25	.25	0.16	0.19	65	77	20-150	17	30	
4,4'-DDT	ug/L	ND	.25	.25	0.17	0.21	68	84	20-150	22	30	
Aldrin	ug/L	ND	.25	.25	0.12	0.16	49	63	20-150	27	30	
alpha-BHC	ug/L	ND	.25	.25	0.20	0.19	79	76	20-150	4	30	
beta-BHC	ug/L	ND	.25	.25	0.20	0.19	80	77	20-150	4	30	
delta-BHC	ug/L	ND	.25	.25	0.21	0.20	83	81	20-150	3	30	
Dieldrin	ug/L	ND	.25	.25	0.12	0.16	47	63	20-150	28	30	
Endosulfan I	ug/L	ND	.25	.25	0.14	0.17	57	69	20-150	20	30	
Endosulfan II	ug/L	ND	.25	.25	0.12	0.15	48	62	20-150	25	30	
Endosulfan sulfate	ug/L	ND	.25	.25	0.14	0.17	57	69	20-150	18	30	
Endrin	ug/L	ND	.25	.25	0.15	0.20	62	79	20-150	24	30	
Endrin aldehyde	ug/L	ND	.25	.25	0.18	0.19	74	76	20-150	3	30	
Endrin ketone	ug/L	ND	.25	.25	0.17	0.19	70	77	20-150	10	30	
gamma-BHC (Lindane)	ug/L	ND	.25	.25	0.20	0.19	79	76	20-150	4	30	
Heptachlor	ug/L	ND	.25	.25	0.12	0.15	47	63	20-150	28	30	
Heptachlor epoxide	ug/L	ND	.25	.25	0.15	0.18	62	71	20-150	14	30	
Hexachlorobenzene	ug/L	ND	.25	.25	0.14	0.15	57	62	20-150	9	30	
Methoxychlor	ug/L	ND	.74	.74	0.44	0.55	59	74	20-150	22	30	
Mirex	ug/L	ND	.74	.74	0.60	0.60	81	80	20-150	0	30	
Decachlorobiphenyl (S)	%						63	61	20-130			
Tetrachloro-m-xylene (S)	%						79	80	20-130			

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

QC Batch: WETA/18216 | Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E | Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92190605001, 92190605002

METHOD BLANK: 1148505 | Matrix: Water
Associated Lab Samples: 92190605001, 92190605002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	03/02/14 12:31	

LABORATORY CONTROL SAMPLE: 1148506

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1148507 1148508

Parameter	Units	92190408004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.12	0.12	122	120	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1148509 1148510

Parameter	Units	92190666002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.062	0.017	62	17	75-125	116	20	M1,R1

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QUALITY CONTROL DATA

Project: Haywood FFLF MWs
Pace Project No.: 92190605

QC Batch: WETA/18217 — Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E — Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011, 92190605012, 92190605013, 92190605014, 92190605015

METHOD BLANK: 1148511 — Matrix: Water
Associated Lab Samples: 92190605003, 92190605004, 92190605005, 92190605006, 92190605007, 92190605008, 92190605009, 92190605010, 92190605011, 92190605012, 92190605013, 92190605014, 92190605015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	03/02/14 12:54	

LABORATORY CONTROL SAMPLE: 1148512

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1148513 — 1148514

Parameter	Units	92190605003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.13	0.13	127	127	75-125	0	20	M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1148515 — 1148516

Parameter	Units	92190605013 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.13	0.13	126	125	75-125	1	20	M1

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QUALIFIERS

Project: Haywood FFLF MWs
Pace Project No.: 92190605

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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TNI - The NELAC Institute.

LABORATORIES

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

ANALYTE QUALIFIERS

M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92190605001	**MW-6**		FLD/		
92190605002	**MW-7**		FLD/		
92190605003	**MW-8**		FLD/		
92190605004	**MW-9**		FLD/		
92190605005	**MW-10**		FLD/		
92190605006	**MW-19**		FLD/		
92190605007	**MW-19D**		FLD/		
92190605008	**MW-20**		FLD/		
92190605009	**MW-20D**		FLD/		
92190605010	**MW-21**		FLD/		
92190605011	**MW-24**		FLD/		
92190605012	**US-1**		FLD/		
92190605013	**DS-1**		FLD/		
92190605014	**DS-2**		FLD/		
92190605015	**DS-3**		FLD/		
92190605001	**MW-6**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605002	**MW-7**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605003	**MW-8**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605004	**MW-9**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605005	**MW-10**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605006	**MW-19**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605007	**MW-19D**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605008	**MW-20**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605009	**MW-20D**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605010	**MW-21**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605011	**MW-24**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605012	**US-1**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605013	**DS-1**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605014	**DS-2**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605015	**DS-3**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190605001	**MW-6**	EPA 3010	MPRP/15293	EPA 6010	ICP/13873
92190605002	**MW-7**	EPA 3010	MPRP/15293	EPA 6010	ICP/13873
92190605003	**MW-8**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605004	**MW-9**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605005	**MW-10**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605006	**MW-19**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605007	**MW-19D**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605008	**MW-20**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605009	**MW-20D**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605010	**MW-21**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605011	**MW-24**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605012	**US-1**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605013	**DS-1**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605014	**DS-2**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605015	**DS-3**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190605001	**MW-6**	EPA 7470	MERP/6212	EPA 7470	MERC/5994
92190605002	**MW-7**	EPA 7470	MERP/6212	EPA 7470	MERC/5994

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Haywood FFLF MWs
Pace Project No.: 92190605

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92190605003	**MW-8**	EPA 7470	MERP/6212	EPA 7470	MERC/5994
92190605004	**MW-9**	EPA 7470	MERP/6212	EPA 7470	MERC/5994
92190605005	**MW-10**	EPA 7470	MERP/6212	EPA 7470	MERC/5994
92190605006	**MW-19**	EPA 7470	MERP/6212	EPA 7470	MERC/5994
92190605007	**MW-19D**	EPA 7470	MERP/6212	EPA 7470	MERC/5994
92190605008	**MW-20**	EPA 7470	MERP/6212	EPA 7470	MERC/5994
92190605009	**MW-20D**	EPA 7470	MERP/6212	EPA 7470	MERC/5994
92190605010	**MW-21**	EPA 7470	MERP/6212	EPA 7470	MERC/5994
92190605011	**MW-24**	EPA 7470	MERP/6212	EPA 7470	MERC/5994
92190605012	**US-1**	EPA 7470	MERP/6213	EPA 7470	MERC/5995
92190605013	**DS-1**	EPA 7470	MERP/6213	EPA 7470	MERC/5995
92190605014	**DS-2**	EPA 7470	MERP/6213	EPA 7470	MERC/5995
92190605015	**DS-3**	EPA 7470	MERP/6213	EPA 7470	MERC/5995
92190605001	**MW-6**	EPA 8260	MSV/25872		
92190605002	**MW-7**	EPA 8260	MSV/25872		
92190605003	**MW-8**	EPA 8260	MSV/25872		
92190605004	**MW-9**	EPA 8260	MSV/25872		
92190605005	**MW-10**	EPA 8260	MSV/25872		
92190605006	**MW-19**	EPA 8260	MSV/25872		
92190605007	**MW-19D**	EPA 8260	MSV/25872		
92190605008	**MW-20**	EPA 8260	MSV/25872		
92190605009	**MW-20D**	EPA 8260	MSV/25872		
92190605010	**MW-21**	EPA 8260	MSV/25872		
92190605011	**MW-24**	EPA 8260	MSV/25872		
92190605012	**US-1**	EPA 8260	MSV/25872		
92190605013	**DS-1**	EPA 8260	MSV/25872		
92190605014	**DS-2**	EPA 8260	MSV/25872		
92190605015	**DS-3**	EPA 8260	MSV/25872		
92190605001	**MW-6**	SM 4500-CN-E	WETA/18216		
92190605002	**MW-7**	SM 4500-CN-E	WETA/18216		
92190605003	**MW-8**	SM 4500-CN-E	WETA/18217		
92190605004	**MW-9**	SM 4500-CN-E	WETA/18217		
92190605005	**MW-10**	SM 4500-CN-E	WETA/18217		
92190605006	**MW-19**	SM 4500-CN-E	WETA/18217		
92190605007	**MW-19D**	SM 4500-CN-E	WETA/18217		
92190605008	**MW-20**	SM 4500-CN-E	WETA/18217		
92190605009	**MW-20D**	SM 4500-CN-E	WETA/18217		
92190605010	**MW-21**	SM 4500-CN-E	WETA/18217		
92190605011	**MW-24**	SM 4500-CN-E	WETA/18217		
92190605012	**US-1**	SM 4500-CN-E	WETA/18217		
92190605013	**DS-1**	SM 4500-CN-E	WETA/18217		
92190605014	**DS-2**	SM 4500-CN-E	WETA/18217		
92190605015	**DS-3**	SM 4500-CN-E	WETA/18217		

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Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 4, 2013 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.11	Issuing Authorities: Pace Asheville Quality Office

Client Name: BIF Haywood Co.

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

Courier (Circle): Fed Ex UPS USPS Client Commercial (Pace) Other_____

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

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

Circle Thermometer Used: (IR Gun#3 -130265963) IR Gun #2- 80344039 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.0 C

Corrected Cooler Temp.: 2.6°C C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: RDB 2/21/14

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: TMD Date: 2-21-14

SRF Review: AMB Date: 2-21-14

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

Place label here

OR

Handwrite project number (if no label available)

92190605

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: / of

1714104

Section A Required Client Information:

Company:	BLE / HAYWOOD Co
Address:	
Email To:	
Phone: / Fax:	
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	BLE / HAYWOOD Co
Copy To:	
Purchase Order No.:	
Project Name:	HAYWOOD FFLF MW's
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	1915-4

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Flo	VOC	Methals	CN	8081	Static H2O	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-6					2-2014	1540		7	2		1	3	1				Y	X	X	X	X	X		001
2	MW-7					2-20	1555		7	2		1	3	1				Y	X	X	X	X	X		002
3	MW-8					2-20	1640		7	2		1	3	1				Y	X	X	X	X	X		003
4	MW-9					2-20	1705		7	2		1	3	1				Y	X	X	X	X	X		004
5	MW-10					2-20	1725		7	2		1	3	1				Y	X	X	X	X	X		005
6	MW-19					2-20	1610		7	2		1	3	1				Y	X	X	X	X	X		006
7	MW-19D					2-20	1620		7	2		1	3	1				X	X	X	X	Y	X		007
8	MW-20					2-20	1740		7	2		1	3	1				X	X	X	X	X	X		008
9	MW-20D					2-20	1755		7	2		1	3	1				X	X	X	Y	X	X		009
10	MW-21					2-20	1440		7	2		1	3	1				Y	X	X	X	X	X		010
11	MW-24					2-20	1500		7	2		1	3	1				Y	X	X	X	X	X		011
12																									

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		2-20-14	1830	Mark / Pace	2-20-14	1830	1.5	Y	Y	Y
	Mark / Pace	2-20-14	1930	Ruth Denise Blankenship	2/21/14	9:35	2.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MARK L. SWAIN

SIGNATURE of SAMPLER: Mark / Pace DATE Signed (MM/DD/YY): 2-21-14

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

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1714105

Section A Required Client Information:

Company:	BLE
Address:	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	BLE / HAYWOOD
Copy To:	
Purchase Order No.:	
Project Name:	HAYWOOD FF SW's
Project Number:	

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: FCA	VOC	Meth 11	CNT	8081	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92190605
1	US-1					2-20-14	1415		7	2		1	3	1				X	X	X	X	X		012
2	DS-1					2-20	1245		7	2		1	3	1				X	X	X	X	X		013
3	DS-2					2-20	1630		7	2		1	3	1				X	X	X	X	X		014
4	DS-3					2-20	1830		7	2		1	3	1				X	X	X	X	X		015
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		2-20-14	1830	[signature] Pace	2-20-14	1830	1.5	Y	Y	Y
	[signature] Pace	2-20-14	1930	Ruth Denise Blankenship	2-21-14	9:35	2.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: MARK L. SWANN

SIGNATURE of SAMPLER: [signature] Pace DATE Signed (MM/DD/YY): 2-20-14

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

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

March 19, 2014

Mr. Stephen King
Haywood Co. Solid Waste
278 Recycle Rd.
Clyde, NC 28721

RE: Project: FRANCIS FARM LF
Pace Project No.: 92190677

Dear Mr. King:
Enclosed are the analytical results for sample(s) received by the laboratory on February 21, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

Sincerely,

Tabitha Dacal

Tabitha M Dacal
tabitha.dacal@pacelabs.com
Project Manager

Enclosures

cc: Andy Alexander, BLE
Mr. Stephen King, Haywood Co. Solid Waste

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CERTIFICATIONS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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Asheville, NC 28804
(828)254-7176

SAMPLE SUMMARY

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92190677001	**MW-1A**	Water	02/21/14 14:40	02/21/14 16:05
92190677002	**MW-4**	Water	02/21/14 15:00	02/21/14 16:05
92190677003	**MW-18**	Water	02/21/14 14:15	02/21/14 16:05
92190677004	**MW-23**	Water	02/21/14 11:55	02/21/14 16:05
92190677005	**MW-23D**	Water	02/21/14 12:10	02/21/14 16:05

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SAMPLE ANALYTE COUNT

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92190677001	**MW-1A**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190677002	**MW-4**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190677003	**MW-18**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190677004	**MW-23**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92190677005	**MW-23D**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A

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Asheville, NC 28804
(828)254-7176

ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-1A **Lab ID: 92190677001** Collected: 02/21/14 14:40 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:03		
Collected Date	**02/21/14**				1		03/12/14 16:03		
Collected Time	**14:40**				1		03/12/14 16:03		
Field pH	**6.2**	Std. Units	0.10	0.10	1		03/12/14 16:03		
Field Temperature	**14.1**	deg C	0.50	0.50	1		03/12/14 16:03		
Field Specific Conductance	**485**	umhos/cm	1.0	1.0	1		03/12/14 16:03		
Turbidity	**3.36**	NTU	1.0	1.0	1		03/12/14 16:03		
Odor	**O&G**				1		03/12/14 16:03		
Appearance	**CLEAR**				1		03/12/14 16:03		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 22:53	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 22:53	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 22:53	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 22:53	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 22:53	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	44	%	20-130		1	02/25/14 14:30	03/07/14 22:53	877-09-8	
Decachlorobiphenyl (S)	92	%	20-130		1	02/25/14 14:30	03/07/14 22:53	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:22	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:22	7440-38-2	
Barium	**215**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:22	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:22	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:22	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:22	7440-47-3	
Cobalt	**18.3**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:22	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:22	7440-50-8	

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2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-1A **Lab ID: 92190677001** Collected: 02/21/14 14:40 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:22	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:22	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:22	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:22	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:22	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:22	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:22	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/28/14 20:28	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 23:08	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 23:08	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 23:08	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 23:08	107-05-1	
Benzene	**0.36J**	ug/L	1.0	0.25	1		02/28/14 23:08	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 23:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 23:08	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 23:08	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 23:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 23:08	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 23:08	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 23:08	56-23-5	
Chlorobenzene	**2.5**	ug/L	1.0	0.23	1		02/28/14 23:08	108-90-7	
Chloroethane	**1.2**	ug/L	1.0	0.54	1		02/28/14 23:08	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 23:08	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 23:08	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 23:08	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 23:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 23:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 23:08	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 23:08	74-95-3	
1,2-Dichlorobenzene	**1.0J**	ug/L	1.0	0.30	1		02/28/14 23:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 23:08	541-73-1	
1,4-Dichlorobenzene	**0.49J**	ug/L	1.0	0.33	1		02/28/14 23:08	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 23:08	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 23:08	75-71-8	
1,1-Dichloroethane	**1.2**	ug/L	1.0	0.32	1		02/28/14 23:08	75-34-3	
1,2-Dichloroethane	**0.99J**	ug/L	1.0	0.12	1		02/28/14 23:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 23:08	75-35-4	
cis-1,2-Dichloroethene	**0.67J**	ug/L	1.0	0.19	1		02/28/14 23:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 23:08	156-60-5	
1,2-Dichloropropane	**0.31J**	ug/L	1.0	0.27	1		02/28/14 23:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 23:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 23:08	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-1A **Lab ID: 92190677001** Collected: 02/21/14 14:40 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 23:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 23:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 23:08	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 23:08	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 23:08	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 23:08	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 23:08	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 23:08	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 23:08	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 23:08	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 23:08	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 23:08	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 23:08	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 23:08	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 23:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 23:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 23:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 23:08	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 23:08	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 23:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 23:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 23:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 23:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 23:08	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 23:08	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 23:08	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 23:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 23:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 23:08	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/28/14 23:08	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/28/14 23:08	17060-07-0	
Toluene-d8 (S)	100	%	70-130		1		02/28/14 23:08	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:20	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-4 **Lab ID: 92190677002** Collected: 02/21/14 15:00 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:05		
Collected Date	**02/21/14**				1		03/12/14 16:05		
Collected Time	**15:00**				1		03/12/14 16:05		
Field pH	**5.5**	Std. Units	0.10	0.10	1		03/12/14 16:05		
Field Temperature	**13.6**	deg C	0.50	0.50	1		03/12/14 16:05		
Field Specific Conductance	**222**	umhos/cm	1.0	1.0	1		03/12/14 16:05		
Turbidity	**3.69**	NTU	1.0	1.0	1		03/12/14 16:05		
Odor	**O&G**				1		03/12/14 16:05		
Appearance	**CLEAR**				1		03/12/14 16:05		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	319-86-8	
gamma-BHC (Lindane)	**0.13**	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 23:11	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:11	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 23:11	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 23:11	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 23:11	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	46	%	20-130		1	02/25/14 14:30	03/07/14 23:11	877-09-8	
Decachlorobiphenyl (S)	52	%	20-130		1	02/25/14 14:30	03/07/14 23:11	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:36	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:36	7440-38-2	
Barium	**149**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:36	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:36	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:36	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:36	7440-47-3	
Cobalt	**8.5**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:36	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:36	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-4 **Lab ID: 92190677002** Collected: 02/21/14 15:00 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:36	7439-92-1	
Nickel	**8.1**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:36	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:36	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:36	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:36	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:36	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:36	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/24/14 20:00	02/27/14 17:48	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 23:23	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 23:23	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 23:23	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 23:23	107-05-1	
Benzene	**16.5**	ug/L	1.0	0.25	1		02/28/14 23:23	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 23:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 23:23	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 23:23	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 23:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 23:23	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 23:23	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 23:23	56-23-5	
Chlorobenzene	**0.61J**	ug/L	1.0	0.23	1		02/28/14 23:23	108-90-7	
Chloroethane	**0.78J**	ug/L	1.0	0.54	1		02/28/14 23:23	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 23:23	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 23:23	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 23:23	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 23:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 23:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 23:23	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 23:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 23:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 23:23	541-73-1	
1,4-Dichlorobenzene	**6.1**	ug/L	1.0	0.33	1		02/28/14 23:23	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 23:23	110-57-6	
Dichlorodifluoromethane	**0.58J**	ug/L	1.0	0.21	1		02/28/14 23:23	75-71-8	
1,1-Dichloroethane	**21.2**	ug/L	1.0	0.32	1		02/28/14 23:23	75-34-3	
1,2-Dichloroethane	**1.7**	ug/L	1.0	0.12	1		02/28/14 23:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 23:23	75-35-4	
cis-1,2-Dichloroethene	**27.6**	ug/L	1.0	0.19	1		02/28/14 23:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 23:23	156-60-5	
1,2-Dichloropropane	**0.48J**	ug/L	1.0	0.27	1		02/28/14 23:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 23:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 23:23	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-4 **Lab ID: 92190677002** Collected: 02/21/14 15:00 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 23:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 23:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 23:23	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 23:23	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 23:23	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 23:23	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 23:23	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 23:23	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 23:23	126-98-7	
Methylene Chloride	**34.1**	ug/L	1.0	0.97	1		02/28/14 23:23	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 23:23	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 23:23	108-10-1	
Naphthalene	**6.5**	ug/L	1.0	0.24	1		02/28/14 23:23	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 23:23	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 23:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 23:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 23:23	79-34-5	
Tetrachloroethene	**6.0**	ug/L	1.0	0.46	1		02/28/14 23:23	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 23:23	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 23:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 23:23	79-00-5	
Trichloroethene	**6.0**	ug/L	1.0	0.47	1		02/28/14 23:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 23:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 23:23	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 23:23	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 23:23	75-01-4	
Xylene (Total)	**6.3**	ug/L	2.0	0.66	1		02/28/14 23:23	1330-20-7	
m&p-Xylene	**4.6**	ug/L	2.0	0.66	1		02/28/14 23:23	179601-23-1	
o-Xylene	**1.8**	ug/L	1.0	0.23	1		02/28/14 23:23	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/28/14 23:23	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/28/14 23:23	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		02/28/14 23:23	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:21	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-18 **Lab ID: 92190677003** Collected: 02/21/14 14:15 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:06		
Collected Date	**02/21/14**				1		03/12/14 16:06		
Collected Time	**14:15**				1		03/12/14 16:06		
Field pH	**5.9**	Std. Units	0.10	0.10	1		03/12/14 16:06		
Field Temperature	**14.0**	deg C	0.50	0.50	1		03/12/14 16:06		
Field Specific Conductance	**60**	umhos/cm	1.0	1.0	1		03/12/14 16:06		
Turbidity	**6.54**	NTU	1.0	1.0	1		03/12/14 16:06		
Odor	**NONE**				1		03/12/14 16:06		
Appearance	**CLEAR**				1		03/12/14 16:06		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 23:28	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:28	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 23:28	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 23:28	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 23:28	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	60	%	20-130		1	02/25/14 14:30	03/07/14 23:28	877-09-8	
Decachlorobiphenyl (S)	58	%	20-130		1	02/25/14 14:30	03/07/14 23:28	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:40	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:40	7440-38-2	
Barium	**80.1**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:40	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:40	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:40	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:40	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:40	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:40	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-18 **Lab ID: 92190677003** Collected: 02/21/14 14:15 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:40	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:40	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:40	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:40	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:40	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:40	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:40	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/28/14 20:30	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 23:39	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 23:39	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 23:39	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 23:39	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/14 23:39	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 23:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 23:39	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 23:39	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 23:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 23:39	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 23:39	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 23:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 23:39	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 23:39	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 23:39	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 23:39	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 23:39	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 23:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 23:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 23:39	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 23:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 23:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 23:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/14 23:39	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 23:39	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 23:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/28/14 23:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 23:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 23:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/28/14 23:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 23:39	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 23:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 23:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 23:39	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-18 **Lab ID: 92190677003** Collected: 02/21/14 14:15 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 23:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 23:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 23:39	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 23:39	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 23:39	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 23:39	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 23:39	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 23:39	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 23:39	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 23:39	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 23:39	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 23:39	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 23:39	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 23:39	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 23:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 23:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 23:39	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 23:39	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 23:39	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 23:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 23:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 23:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 23:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 23:39	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 23:39	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 23:39	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 23:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 23:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 23:39	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/14 23:39	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/28/14 23:39	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		02/28/14 23:39	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:22	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-23 **Lab ID: 92190677004** Collected: 02/21/14 11:55 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:08		
Collected Date	**02/21/14**				1		03/12/14 16:08		
Collected Time	**11:55**				1		03/12/14 16:08		
Field pH	**5.8**	Std. Units	0.10	0.10	1		03/12/14 16:08		
Field Temperature	**11.0**	deg C	0.50	0.50	1		03/12/14 16:08		
Field Specific Conductance	**87**	umhos/cm	1.0	1.0	1		03/12/14 16:08		
Turbidity	**2.28**	NTU	1.0	1.0	1		03/12/14 16:08		
Odor	**NONE**				1		03/12/14 16:08		
Appearance	**CLEAR**				1		03/12/14 16:08		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 23:46	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/07/14 23:46	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 23:46	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/07/14 23:46	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/07/14 23:46	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	68	%	20-130		1	02/25/14 14:30	03/07/14 23:46	877-09-8	
Decachlorobiphenyl (S)	69	%	20-130		1	02/25/14 14:30	03/07/14 23:46	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:43	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:43	7440-38-2	
Barium	**86.9**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:43	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:43	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:43	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:43	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:43	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:43	7440-50-8	

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Asheville, NC 28804
(828)254-7176

ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-23 **Lab ID: 92190677004** Collected: 02/21/14 11:55 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:43	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:43	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:43	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:43	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:43	7440-28-0	
Vanadium	**5.3**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:43	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:43	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/28/14 20:38	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 23:55	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 23:55	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 23:55	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 23:55	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/14 23:55	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 23:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 23:55	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 23:55	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 23:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 23:55	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 23:55	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 23:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 23:55	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 23:55	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 23:55	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 23:55	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 23:55	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 23:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 23:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 23:55	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 23:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 23:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 23:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/14 23:55	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 23:55	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 23:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/28/14 23:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 23:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 23:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/28/14 23:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 23:55	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 23:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 23:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 23:55	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-23 **Lab ID: 92190677004** Collected: 02/21/14 11:55 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 23:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 23:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 23:55	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 23:55	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 23:55	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 23:55	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 23:55	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 23:55	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 23:55	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 23:55	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 23:55	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 23:55	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 23:55	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 23:55	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 23:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 23:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 23:55	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 23:55	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 23:55	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 23:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 23:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 23:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 23:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 23:55	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 23:55	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 23:55	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 23:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 23:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 23:55	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/28/14 23:55	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/28/14 23:55	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		02/28/14 23:55	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:23	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-23D **Lab ID: 92190677005** Collected: 02/21/14 12:10 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:09		
Collected Date	**02/21/14**				1		03/12/14 16:09		
Collected Time	**12:10**				1		03/12/14 16:09		
Field pH	**6.8**	Std. Units	0.10	0.10	1		03/12/14 16:09		
Field Temperature	**10.3**	deg C	0.50	0.50	1		03/12/14 16:09		
Field Specific Conductance	**124**	umhos/cm	1.0	1.0	1		03/12/14 16:09		
Turbidity	**206**	NTU	1.0	1.0	1		03/12/14 16:09		
Odor	**NONE**				1		03/12/14 16:09		
Appearance	**CLEAR**				1		03/12/14 16:09		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/08/14 00:03	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/25/14 14:30	03/08/14 00:03	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/08/14 00:03	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/25/14 14:30	03/08/14 00:03	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/25/14 14:30	03/08/14 00:03	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	53	%	20-130		1	02/25/14 14:30	03/08/14 00:03	877-09-8	
Decachlorobiphenyl (S)	61	%	20-130		1	02/25/14 14:30	03/08/14 00:03	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:47	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/26/14 11:35	02/27/14 23:47	7440-38-2	
Barium	**70.8**	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:47	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:47	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/26/14 11:35	02/27/14 23:47	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:47	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:47	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:47	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-23D **Lab ID: 92190677005** Collected: 02/21/14 12:10 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:47	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:47	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:47	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:47	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/26/14 11:35	02/27/14 23:47	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/26/14 11:35	02/27/14 23:47	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/26/14 11:35	02/27/14 23:47	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/21/14 20:50	02/28/14 20:41	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		03/01/14 00:10	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		03/01/14 00:10	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		03/01/14 00:10	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		03/01/14 00:10	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		03/01/14 00:10	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		03/01/14 00:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		03/01/14 00:10	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		03/01/14 00:10	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		03/01/14 00:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		03/01/14 00:10	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		03/01/14 00:10	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		03/01/14 00:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		03/01/14 00:10	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		03/01/14 00:10	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		03/01/14 00:10	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		03/01/14 00:10	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		03/01/14 00:10	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		03/01/14 00:10	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		03/01/14 00:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		03/01/14 00:10	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		03/01/14 00:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		03/01/14 00:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		03/01/14 00:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		03/01/14 00:10	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		03/01/14 00:10	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		03/01/14 00:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		03/01/14 00:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		03/01/14 00:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		03/01/14 00:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		03/01/14 00:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		03/01/14 00:10	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		03/01/14 00:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		03/01/14 00:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		03/01/14 00:10	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Sample: MW-23D **Lab ID: 92190677005** Collected: 02/21/14 12:10 Received: 02/21/14 16:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		03/01/14 00:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		03/01/14 00:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		03/01/14 00:10	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		03/01/14 00:10	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		03/01/14 00:10	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		03/01/14 00:10	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		03/01/14 00:10	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		03/01/14 00:10	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		03/01/14 00:10	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		03/01/14 00:10	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		03/01/14 00:10	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		03/01/14 00:10	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		03/01/14 00:10	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		03/01/14 00:10	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		03/01/14 00:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		03/01/14 00:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		03/01/14 00:10	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		03/01/14 00:10	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		03/01/14 00:10	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		03/01/14 00:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		03/01/14 00:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		03/01/14 00:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		03/01/14 00:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		03/01/14 00:10	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		03/01/14 00:10	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		03/01/14 00:10	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		03/01/14 00:10	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		03/01/14 00:10	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		03/01/14 00:10	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		03/01/14 00:10	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		03/01/14 00:10	17060-07-0	
Toluene-d8 (S)	99	%	70-130		1		03/01/14 00:10	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/02/14 13:25	57-12-5	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

QC Batch: MERP/6213 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92190677001, 92190677003, 92190677004, 92190677005

METHOD BLANK: 1143179 Matrix: Water
Associated Lab Samples: 92190677001, 92190677003, 92190677004, 92190677005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	02/28/14 20:07	

LABORATORY CONTROL SAMPLE: 1143180

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	3.0	118	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1143181 1143182

Parameter	Units	92190605012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	3.0	3.0	119	119	75-125	0	25	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

QC Batch: MERP/6221 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Associated Lab Samples: 92190677002

METHOD BLANK: 1144161 | Matrix: Water
Associated Lab Samples: 92190677002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	02/27/14 16:22	

LABORATORY CONTROL SAMPLE: 1144162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1144163 1144164

Parameter	Units	92190424001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.4	2.6	96	102	75-125	7	25	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

QC Batch: MPRP/15308 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92190677001, 92190677002, 92190677003, 92190677004, 92190677005

METHOD BLANK: 1145455 Matrix: Water
Associated Lab Samples: 92190677001, 92190677002, 92190677003, 92190677004, 92190677005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	02/27/14 22:15	
Arsenic	ug/L	ND	10.0	02/27/14 22:15	
Barium	ug/L	ND	5.0	02/27/14 22:15	
Beryllium	ug/L	0.19J	1.0	02/27/14 22:15	
Cadmium	ug/L	ND	1.0	02/27/14 22:15	
Chromium	ug/L	ND	5.0	02/27/14 22:15	
Cobalt	ug/L	ND	5.0	02/27/14 22:15	
Copper	ug/L	ND	5.0	02/27/14 22:15	
Lead	ug/L	ND	5.0	02/27/14 22:15	
Nickel	ug/L	ND	5.0	02/27/14 22:15	
Selenium	ug/L	3.5J	10.0	02/27/14 22:15	
Silver	ug/L	0.42J	5.0	02/27/14 22:15	
Thallium	ug/L	ND	5.4	02/27/14 22:15	
Vanadium	ug/L	1.0J	5.0	02/27/14 22:15	
Zinc	ug/L	ND	10.0	02/27/14 22:15	

LABORATORY CONTROL SAMPLE: 1145456

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	496	99	80-120	
Arsenic	ug/L	500	473	95	80-120	
Barium	ug/L	500	481	96	80-120	
Beryllium	ug/L	500	476	95	80-120	
Cadmium	ug/L	500	473	95	80-120	
Chromium	ug/L	500	484	97	80-120	
Cobalt	ug/L	500	475	95	80-120	
Copper	ug/L	500	485	97	80-120	
Lead	ug/L	500	470	94	80-120	
Nickel	ug/L	500	473	95	80-120	
Selenium	ug/L	500	472	94	80-120	
Silver	ug/L	250	241	96	80-120	
Thallium	ug/L	500	471	94	80-120	
Vanadium	ug/L	500	495	99	80-120	
Zinc	ug/L	500	464	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1145457 1145458

Parameter	Units	92190605003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	496	496	99	99	75-125	0	25	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1145457 1145458

Parameter	Units	92190605003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	480	475	96	95	75-125	1	25	
Barium	ug/L	13.0	500	500	487	484	95	94	75-125	1	25	
Beryllium	ug/L	ND	500	500	469	469	94	94	75-125	0	25	
Cadmium	ug/L	ND	500	500	466	467	93	93	75-125	0	25	
Chromium	ug/L	ND	500	500	483	482	96	96	75-125	0	25	
Cobalt	ug/L	ND	500	500	468	468	93	93	75-125	0	25	
Copper	ug/L	ND	500	500	485	482	97	96	75-125	1	25	
Lead	ug/L	ND	500	500	465	462	93	92	75-125	1	25	
Nickel	ug/L	ND	500	500	465	465	93	93	75-125	0	25	
Selenium	ug/L	ND	500	500	479	476	95	95	75-125	1	25	
Silver	ug/L	ND	250	250	241	240	96	96	75-125	0	25	
Thallium	ug/L	ND	500	500	461	463	91	92	75-125	0	25	
Vanadium	ug/L	ND	500	500	497	495	99	99	75-125	0	25	
Zinc	ug/L	ND	500	500	464	465	92	93	75-125	0	25	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

QC Batch: MSV/25913 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92190677001, 92190677002, 92190677003, 92190677004, 92190677005

METHOD BLANK: 1146094 Matrix: Water
Associated Lab Samples: 92190677001, 92190677002, 92190677003, 92190677004, 92190677005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	02/28/14 20:48	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/28/14 20:48	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	02/28/14 20:48	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/28/14 20:48	
1,1-Dichloroethane	ug/L	ND	1.0	02/28/14 20:48	
1,1-Dichloroethene	ug/L	ND	1.0	02/28/14 20:48	
1,1-Dichloropropene	ug/L	ND	1.0	02/28/14 20:48	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/28/14 20:48	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	02/28/14 20:48	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/28/14 20:48	
1,2-Dichlorobenzene	ug/L	ND	1.0	02/28/14 20:48	
1,2-Dichloroethane	ug/L	0.45J	1.0	02/28/14 20:48	
1,2-Dichloropropane	ug/L	ND	1.0	02/28/14 20:48	
1,3-Dichlorobenzene	ug/L	ND	1.0	02/28/14 20:48	
1,3-Dichloropropane	ug/L	ND	1.0	02/28/14 20:48	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/28/14 20:48	
2,2-Dichloropropane	ug/L	ND	1.0	02/28/14 20:48	
2-Butanone (MEK)	ug/L	ND	5.0	02/28/14 20:48	
2-Hexanone	ug/L	ND	5.0	02/28/14 20:48	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	02/28/14 20:48	
Acetone	ug/L	ND	25.0	02/28/14 20:48	
Acetonitrile	ug/L	ND	50.0	02/28/14 20:48	
Acrylonitrile	ug/L	ND	10.0	02/28/14 20:48	
Allyl chloride	ug/L	ND	2.0	02/28/14 20:48	
Benzene	ug/L	ND	1.0	02/28/14 20:48	
Bromochloromethane	ug/L	ND	1.0	02/28/14 20:48	
Bromodichloromethane	ug/L	ND	1.0	02/28/14 20:48	
Bromoform	ug/L	ND	1.0	02/28/14 20:48	
Bromomethane	ug/L	ND	2.0	02/28/14 20:48	
Carbon disulfide	ug/L	ND	2.0	02/28/14 20:48	
Carbon tetrachloride	ug/L	ND	1.0	02/28/14 20:48	
Chlorobenzene	ug/L	ND	1.0	02/28/14 20:48	
Chloroethane	ug/L	ND	1.0	02/28/14 20:48	
Chloroform	ug/L	ND	1.0	02/28/14 20:48	
Chloromethane	ug/L	ND	1.0	02/28/14 20:48	
Chloroprene	ug/L	ND	5.0	02/28/14 20:48	
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/28/14 20:48	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/28/14 20:48	
Dibromochloromethane	ug/L	ND	1.0	02/28/14 20:48	
Dibromomethane	ug/L	ND	1.0	02/28/14 20:48	
Dichlorodifluoromethane	ug/L	ND	1.0	02/28/14 20:48	
Ethyl methacrylate	ug/L	ND	1.0	02/28/14 20:48	
Ethylbenzene	ug/L	ND	1.0	02/28/14 20:48	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

METHOD BLANK: 1146094 Matrix: Water
Associated Lab Samples: 92190677001, 92190677002, 92190677003, 92190677004, 92190677005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iodomethane	ug/L	ND	5.0	02/28/14 20:48	
Isobutanol	ug/L	ND	100	02/28/14 20:48	
m&p-Xylene	ug/L	ND	2.0	02/28/14 20:48	
Methacrylonitrile	ug/L	ND	10.0	02/28/14 20:48	
Methyl methacrylate	ug/L	ND	2.0	02/28/14 20:48	
Methylene Chloride	ug/L	ND	1.0	02/28/14 20:48	
Naphthalene	ug/L	ND	1.0	02/28/14 20:48	
o-Xylene	ug/L	ND	1.0	02/28/14 20:48	
Propionitrile	ug/L	ND	20.0	02/28/14 20:48	
Styrene	ug/L	ND	1.0	02/28/14 20:48	
Tetrachloroethene	ug/L	ND	1.0	02/28/14 20:48	
Toluene	ug/L	ND	1.0	02/28/14 20:48	
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/28/14 20:48	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/28/14 20:48	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	02/28/14 20:48	
Trichloroethene	ug/L	ND	1.0	02/28/14 20:48	
Trichlorofluoromethane	ug/L	ND	1.0	02/28/14 20:48	
Vinyl acetate	ug/L	ND	2.0	02/28/14 20:48	
Vinyl chloride	ug/L	ND	1.0	02/28/14 20:48	
Xylene (Total)	ug/L	ND	2.0	02/28/14 20:48	
1,2-Dichloroethane-d4 (S)	%	101	70-130	02/28/14 20:48	
4-Bromofluorobenzene (S)	%	101	70-130	02/28/14 20:48	
Toluene-d8 (S)	%	100	70-130	02/28/14 20:48	

LABORATORY CONTROL SAMPLE: 1146095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.0	106	70-130	
1,1,1-Trichloroethane	ug/L	50	52.6	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	52.0	104	70-130	
1,1,2-Trichloroethane	ug/L	50	52.8	106	70-130	
1,1-Dichloroethane	ug/L	50	51.7	103	70-130	
1,1-Dichloroethene	ug/L	50	50.8	102	70-132	
1,1-Dichloropropene	ug/L	50	54.5	109	70-130	
1,2,3-Trichloropropane	ug/L	50	53.6	107	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	51.2	102	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	53.3	107	70-130	
1,2-Dichlorobenzene	ug/L	50	52.8	106	70-130	
1,2-Dichloroethane	ug/L	50	50.6	101	70-130	
1,2-Dichloropropane	ug/L	50	52.5	105	70-130	
1,3-Dichlorobenzene	ug/L	50	51.3	103	70-130	
1,3-Dichloropropane	ug/L	50	52.6	105	70-130	
1,4-Dichlorobenzene	ug/L	50	52.1	104	70-130	
2,2-Dichloropropane	ug/L	50	56.1	112	58-145	
2-Butanone (MEK)	ug/L	100	101	101	70-145	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

LABORATORY CONTROL SAMPLE: 1146095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	105	105	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	103	103	70-140	
Acetone	ug/L	100	95.8	96	50-175	
Acetonitrile	ug/L	500	501	100	70-130	
Acrylonitrile	ug/L	250	257	103	70-143	
Allyl chloride	ug/L	50	50.0	100	70-130	
Benzene	ug/L	50	53.3	107	70-130	
Bromochloromethane	ug/L	50	52.8	106	70-130	
Bromodichloromethane	ug/L	50	52.3	105	70-130	
Bromoform	ug/L	50	55.0	110	70-130	
Bromomethane	ug/L	50	46.8	94	54-130	
Carbon disulfide	ug/L	50	52.8	106	70-131	
Carbon tetrachloride	ug/L	50	52.6	105	70-132	
Chlorobenzene	ug/L	50	52.3	105	70-130	
Chloroethane	ug/L	50	48.8	98	64-134	
Chloroform	ug/L	50	51.7	103	70-130	
Chloromethane	ug/L	50	49.1	98	64-130	
Chloroprene	ug/L	50	53.6	107	70-130	
cis-1,2-Dichloroethene	ug/L	50	51.1	102	70-131	
cis-1,3-Dichloropropene	ug/L	50	53.7	107	70-130	
Dibromochloromethane	ug/L	50	53.2	106	70-130	
Dibromomethane	ug/L	50	52.5	105	70-131	
Dichlorodifluoromethane	ug/L	50	53.8	108	56-130	
Ethyl methacrylate	ug/L	50	52.1	104	70-130	
Ethylbenzene	ug/L	50	51.7	103	70-130	
Iodomethane	ug/L	100	99.8	100	49-180	
Isobutanol	ug/L	1000	1070	107	70-130	
m&p-Xylene	ug/L	100	107	107	70-130	
Methacrylonitrile	ug/L	500	524	105	70-130	
Methyl methacrylate	ug/L	50	52.5	105	70-130	
Methylene Chloride	ug/L	50	49.0	98	63-130	
Naphthalene	ug/L	50	52.4	105	70-138	
o-Xylene	ug/L	50	53.8	108	70-130	
Propionitrile	ug/L	500	531	106	70-130	
Styrene	ug/L	50	54.9	110	70-130	
Tetrachloroethene	ug/L	50	53.1	106	70-130	
Toluene	ug/L	50	52.0	104	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.2	102	70-130	
trans-1,3-Dichloropropene	ug/L	50	54.1	108	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	53.5	107	70-141	
Trichloroethene	ug/L	50	51.8	104	70-130	
Trichlorofluoromethane	ug/L	50	50.7	101	62-133	
Vinyl acetate	ug/L	100	109	109	66-157	
Vinyl chloride	ug/L	50	53.8	108	69-130	
Xylene (Total)	ug/L	150	161	107	70-130	
1,2-Dichloroethane-d4 (S)	%			98	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			100	70-130	

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2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1146096 1146097

Parameter	Units	92190677005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	54.3	54.0	109	108	70-166	1	30	
Benzene	ug/L	ND	50	50	55.8	55.2	112	110	70-148	1	30	
Chlorobenzene	ug/L	ND	50	50	55.0	53.9	110	108	70-146	2	30	
Toluene	ug/L	ND	50	50	53.3	52.1	107	104	70-155	2	30	
Trichloroethene	ug/L	ND	50	50	57.7	56.8	115	114	69-151	2	30	
1,2-Dichloroethane-d4 (S)	%						97	99	70-130			
4-Bromofluorobenzene (S)	%						101	100	70-130			
Toluene-d8 (S)	%						100	100	70-130			

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

QC Batch: OEXT/26098 | Analysis Method: EPA 8081
QC Batch Method: EPA 3510 | Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 92190677001, 92190677002, 92190677003, 92190677004, 92190677005

METHOD BLANK: 1144739 | Matrix: Water
Associated Lab Samples: 92190677001, 92190677002, 92190677003, 92190677004, 92190677005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.050	03/07/14 16:28	
4,4'-DDE	ug/L	ND	0.050	03/07/14 16:28	
4,4'-DDT	ug/L	ND	0.050	03/07/14 16:28	
Aldrin	ug/L	ND	0.050	03/07/14 16:28	
alpha-BHC	ug/L	ND	0.050	03/07/14 16:28	
beta-BHC	ug/L	ND	0.050	03/07/14 16:28	
Chlordane (Technical)	ug/L	ND	0.20	03/07/14 16:28	
delta-BHC	ug/L	ND	0.050	03/07/14 16:28	
Dieldrin	ug/L	ND	0.050	03/07/14 16:28	
Endosulfan I	ug/L	ND	0.050	03/07/14 16:28	
Endosulfan II	ug/L	ND	0.050	03/07/14 16:28	
Endosulfan sulfate	ug/L	ND	0.050	03/07/14 16:28	
Endrin	ug/L	ND	0.050	03/07/14 16:28	
Endrin aldehyde	ug/L	ND	0.050	03/07/14 16:28	
Endrin ketone	ug/L	ND	0.050	03/07/14 16:28	
gamma-BHC (Lindane)	ug/L	ND	0.050	03/07/14 16:28	
Heptachlor	ug/L	ND	0.050	03/07/14 16:28	
Heptachlor epoxide	ug/L	ND	0.050	03/07/14 16:28	
Hexachlorobenzene	ug/L	ND	0.050	03/07/14 16:28	
Methoxychlor	ug/L	ND	0.15	03/07/14 16:28	
Mirex	ug/L	ND	0.15	03/07/14 16:28	
Toxaphene	ug/L	ND	0.20	03/07/14 16:28	
Decachlorobiphenyl (S)	%	75	20-130	03/07/14 16:28	
Tetrachloro-m-xylene (S)	%	74	20-130	03/07/14 16:28	

LABORATORY CONTROL SAMPLE: 1144740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.25	0.19	79	20-150	
4,4'-DDE	ug/L	.25	0.18	72	20-150	
4,4'-DDT	ug/L	.25	0.19	77	20-150	
Aldrin	ug/L	.25	0.12	50	20-150	
alpha-BHC	ug/L	.25	0.19	76	20-150	
beta-BHC	ug/L	.25	0.20	79	20-150	
delta-BHC	ug/L	.25	0.20	81	20-150	
Dieldrin	ug/L	.25	0.18	74	20-150	
Endosulfan I	ug/L	.25	0.20	80	20-150	
Endosulfan II	ug/L	.25	0.20	80	20-150	
Endosulfan sulfate	ug/L	.25	0.21	83	20-150	
Endrin	ug/L	.25	0.22	88	20-150	
Endrin aldehyde	ug/L	.25	0.19	76	20-150	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

LABORATORY CONTROL SAMPLE: 1144740

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin ketone	ug/L	.25	0.21	84	20-150	
gamma-BHC (Lindane)	ug/L	.25	0.19	76	20-150	
Heptachlor	ug/L	.25	0.14	55	20-150	
Heptachlor epoxide	ug/L	.25	0.20	81	20-150	
Hexachlorobenzene	ug/L	.25	0.16	66	20-150	
Methoxychlor	ug/L	.74	0.59	80	20-150	
Mirex	ug/L	.74	0.61	82	20-150	
Decachlorobiphenyl (S)	%			80	20-130	
Tetrachloro-m-xylene (S)	%			77	20-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1144741 1144742

Parameter	Units	92190605005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/L	ND	.25	.25	0.14	0.18	55	74	20-150	29	30	
4,4'-DDE	ug/L	ND	.25	.25	0.16	0.19	65	77	20-150	17	30	
4,4'-DDT	ug/L	ND	.25	.25	0.17	0.21	68	84	20-150	22	30	
Aldrin	ug/L	ND	.25	.25	0.12	0.16	49	63	20-150	27	30	
alpha-BHC	ug/L	ND	.25	.25	0.20	0.19	79	76	20-150	4	30	
beta-BHC	ug/L	ND	.25	.25	0.20	0.19	80	77	20-150	4	30	
delta-BHC	ug/L	ND	.25	.25	0.21	0.20	83	81	20-150	3	30	
Dieldrin	ug/L	ND	.25	.25	0.12	0.16	47	63	20-150	28	30	
Endosulfan I	ug/L	ND	.25	.25	0.14	0.17	57	69	20-150	20	30	
Endosulfan II	ug/L	ND	.25	.25	0.12	0.15	48	62	20-150	25	30	
Endosulfan sulfate	ug/L	ND	.25	.25	0.14	0.17	57	69	20-150	18	30	
Endrin	ug/L	ND	.25	.25	0.15	0.20	62	79	20-150	24	30	
Endrin aldehyde	ug/L	ND	.25	.25	0.18	0.19	74	76	20-150	3	30	
Endrin ketone	ug/L	ND	.25	.25	0.17	0.19	70	77	20-150	10	30	
gamma-BHC (Lindane)	ug/L	ND	.25	.25	0.20	0.19	79	76	20-150	4	30	
Heptachlor	ug/L	ND	.25	.25	0.12	0.15	47	63	20-150	28	30	
Heptachlor epoxide	ug/L	ND	.25	.25	0.15	0.18	62	71	20-150	14	30	
Hexachlorobenzene	ug/L	ND	.25	.25	0.14	0.15	57	62	20-150	9	30	
Methoxychlor	ug/L	ND	.74	.74	0.44	0.55	59	74	20-150	22	30	
Mirex	ug/L	ND	.74	.74	0.60	0.60	81	80	20-150	0	30	
Decachlorobiphenyl (S)	%						63	61	20-130			
Tetrachloro-m-xylene (S)	%						79	80	20-130			

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2225 Riverside Dr.
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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92190677

QC Batch: WETA/18218 Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92190677001, 92190677002, 92190677003, 92190677004, 92190677005

METHOD BLANK: 1148517 Matrix: Water
Associated Lab Samples: 92190677001, 92190677002, 92190677003, 92190677004, 92190677005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	03/02/14 13:16	

LABORATORY CONTROL SAMPLE: 1148518

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1148519 1148520

Parameter	Units	92190643005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.011	.1	.1	0.12	0.12	107	105	75-125	2	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1148521 1148522

Parameter	Units	92190034008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.11	0.12	111	112	75-125	1	20	

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QUALIFIERS

Project: FRANCIS FARM LF
Pace Project No.: 92190677

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FRANCIS FARM LF
Pace Project No.: 92190677

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92190677001	**MW-1A**		FLD/		
92190677002	**MW-4**		FLD/		
92190677003	**MW-18**		FLD/		
92190677004	**MW-23**		FLD/		
92190677005	**MW-23D**		FLD/		
92190677001	**MW-1A**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190677002	**MW-4**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190677003	**MW-18**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190677004	**MW-23**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190677005	**MW-23D**	EPA 3510	OEXT/26098	EPA 8081	GCSV/16861
92190677001	**MW-1A**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190677002	**MW-4**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190677003	**MW-18**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190677004	**MW-23**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190677005	**MW-23D**	EPA 3010	MPRP/15308	EPA 6010	ICP/13890
92190677001	**MW-1A**	EPA 7470	MERP/6213	EPA 7470	MERC/5995
92190677002	**MW-4**	EPA 7470	MERP/6221	EPA 7470	MERC/6001
92190677003	**MW-18**	EPA 7470	MERP/6213	EPA 7470	MERC/5995
92190677004	**MW-23**	EPA 7470	MERP/6213	EPA 7470	MERC/5995
92190677005	**MW-23D**	EPA 7470	MERP/6213	EPA 7470	MERC/5995
92190677001	**MW-1A**	EPA 8260	MSV/25913		
92190677002	**MW-4**	EPA 8260	MSV/25913		
92190677003	**MW-18**	EPA 8260	MSV/25913		
92190677004	**MW-23**	EPA 8260	MSV/25913		
92190677005	**MW-23D**	EPA 8260	MSV/25913		
92190677001	**MW-1A**	SM 4500-CN-E	WETA/18218		
92190677002	**MW-4**	SM 4500-CN-E	WETA/18218		
92190677003	**MW-18**	SM 4500-CN-E	WETA/18218		
92190677004	**MW-23**	SM 4500-CN-E	WETA/18218		
92190677005	**MW-23D**	SM 4500-CN-E	WETA/18218		

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Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 4, 2013 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.11	Issuing Authorities: Pace Asheville Quality Office

Client Name: BLE Hayward Co

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

Courier (Circle): Fed Ex UPS USPS (Client) Commercial Pace Other_____

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

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

Circle Thermometer Used: (IR Gun#3 -130265963) IR Gun #2- 80344039 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.0 C

Corrected Cooler Temp.: 5.6° C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: BDB 2/21/14

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:	TMD	Date:	2·21·14
SRF Review:	TMD	Date:	2·21·14

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

Place label here

OR

Handwrite project number (if no label available)

92190677

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

1748205

Section A Required Client Information:

Company: BLK HAYWOOD CO
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: BLK HAYWOOD
Copy To:
Purchase Order No.:
Project Name: FRANCIS FARM LF
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 1915-4

REGULATORY AGENCY: NPDES, GROUND WATER, DRINKING WATER, UST, RCRA, OTHER

Site Location STATE: NC

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	Field Filtered H_2O	Total Metals	Cr-6081	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92190677
1	MW-1A					2-21-14	1440		7	2		1	3	1					X				001
2	MW-5					2-21	1500		7	2		1	3	1					X				002
3	MW-12					2-21	1415		7	2		1	3	1					X				003
4	MW 23					2-21	1155		7	2		1	3	1					X				004
5	MW 23D					2-21	1210		7	2		1	3	1					X				005
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
		2-21-14	1525	[signature]	2-21-14	1525				
	[signature]	2-21-14	1605	Denise Blankenship	2/21/14	1605	5.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: MARK L. SWANN
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-21-14

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

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

March 19, 2014

Mr. Stephen King
Haywood Co. Solid Waste
278 Recycle Rd.
Clyde, NC 28721

RE: Project: FRANCIS FARM LF
Pace Project No.: 92191006

Dear Mr. King:
Enclosed are the analytical results for sample(s) received by the laboratory on February 25, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

Sincerely,

Tabitha Dacal

Tabitha M Dacal
tabitha.dacal@pacelabs.com
Project Manager

Enclosures

cc: Andy Alexander, BLE
Mr. Stephen King, Haywood Co. Solid Waste

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Asheville, NC 28804
(828)254-7176

CERTIFICATIONS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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Asheville, NC 28804
(828)254-7176

SAMPLE SUMMARY

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92191006001	**MW-11**	Water	02/25/14 13:20	02/25/14 16:15
92191006002	**MW-13**	Water	02/25/14 12:15	02/25/14 16:15
92191006003	**MW-14**	Water	02/25/14 12:40	02/25/14 16:15
92191006004	**MW-14D**	Water	02/25/14 12:55	02/25/14 16:15
92191006005	**MW-15**	Water	02/25/14 11:30	02/25/14 16:15
92191006006	**MW-16**	Water	02/25/14 10:50	02/25/14 16:15
92191006007	**MW-16D**	Water	02/25/14 11:05	02/25/14 16:15
92191006008	**MW-17**	Water	02/25/14 10:30	02/25/14 16:15
92191006009	**MW-22**	Water	02/25/14 10:10	02/25/14 16:15
92191006010	**MW-25**	Water	02/25/14 13:35	02/25/14 16:15

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SAMPLE ANALYTE COUNT

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92191006001	**MW-11**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191006002	**MW-13**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191006003	**MW-14**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191006004	**MW-14D**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191006005	**MW-15**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191006006	**MW-16**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191006007	**MW-16D**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191006008	**MW-17**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A

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SAMPLE ANALYTE COUNT

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191006009	**MW-22**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191006010	**MW-25**	EPA 8081	NU1	24	PASI-C
		EPA 6010	JMW	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-11 **Lab ID: 92191006001** Collected: 02/25/14 13:20 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:11		
Collected Date	**02/25/14**				1		03/12/14 16:11		
Collected Time	**13:20**				1		03/12/14 16:11		
Field pH	**6.4**	Std. Units	0.10	0.10	1		03/12/14 16:11		
Field Temperature	**15.0**	deg C	0.50	0.50	1		03/12/14 16:11		
Field Specific Conductance	**617**	umhos/cm	1.0	1.0	1		03/12/14 16:11		
Turbidity	**2.87**	NTU	1.0	1.0	1		03/12/14 16:11		
Odor	**O&G**				1		03/12/14 16:11		
Appearance	**CLEAR**				1		03/12/14 16:11		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/04/14 23:28	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:28	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/04/14 23:28	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/04/14 23:28	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/04/14 23:28	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	92	%	20-130		1	02/26/14 09:10	03/04/14 23:28	877-09-8	
Decachlorobiphenyl (S)	72	%	20-130		1	02/26/14 09:10	03/04/14 23:28	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:56	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/27/14 10:35	02/28/14 06:56	7440-38-2	
Barium	**85.3**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:56	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 06:56	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 06:56	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:56	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:56	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:56	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-11 **Lab ID: 92191006001** Collected: 02/25/14 13:20 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:56	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:56	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 06:56	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:56	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/27/14 10:35	02/28/14 06:56	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:56	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 06:56	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/26/14 20:35	03/07/14 15:27	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 08:11	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 08:11	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 08:11	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 08:11	107-05-1	
Benzene	**0.28J**	ug/L	1.0	0.25	1		02/28/14 08:11	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 08:11	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 08:11	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 08:11	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 08:11	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 08:11	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 08:11	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 08:11	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 08:11	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 08:11	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 08:11	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 08:11	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 08:11	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 08:11	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 08:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 08:11	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 08:11	74-95-3	
1,2-Dichlorobenzene	**3.3**	ug/L	1.0	0.30	1		02/28/14 08:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 08:11	541-73-1	
1,4-Dichlorobenzene	**1.0**	ug/L	1.0	0.33	1		02/28/14 08:11	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 08:11	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 08:11	75-71-8	
1,1-Dichloroethane	**5.2**	ug/L	1.0	0.32	1		02/28/14 08:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 08:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 08:11	75-35-4	
cis-1,2-Dichloroethene	**14.8**	ug/L	1.0	0.19	1		02/28/14 08:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 08:11	156-60-5	
1,2-Dichloropropane	**0.31J**	ug/L	1.0	0.27	1		02/28/14 08:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 08:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 08:11	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-11 **Lab ID: 92191006001** Collected: 02/25/14 13:20 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 08:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 08:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 08:11	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 08:11	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 08:11	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 08:11	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 08:11	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 08:11	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 08:11	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 08:11	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 08:11	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 08:11	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 08:11	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 08:11	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 08:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 08:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 08:11	79-34-5	
Tetrachloroethene	**1.1**	ug/L	1.0	0.46	1		02/28/14 08:11	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 08:11	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 08:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 08:11	79-00-5	
Trichloroethene	**1.2**	ug/L	1.0	0.47	1		02/28/14 08:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 08:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 08:11	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 08:11	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 08:11	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 08:11	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 08:11	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 08:11	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/14 08:11	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/28/14 08:11	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		02/28/14 08:11	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**0.0052**	mg/L	0.0050	0.0050	1		03/07/14 16:06	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-13 **Lab ID: 92191006002** Collected: 02/25/14 12:15 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:13		
Collected Date	**02/25/14**				1		03/12/14 16:13		
Collected Time	**12:15**				1		03/12/14 16:13		
Field pH	**6.1**	Std. Units	0.10	0.10	1		03/12/14 16:13		
Field Temperature	**15.8**	deg C	0.50	0.50	1		03/12/14 16:13		
Field Specific Conductance	**478**	umhos/cm	1.0	1.0	1		03/12/14 16:13		
Turbidity	**1.99**	NTU	1.0	1.0	1		03/12/14 16:13		
Odor	**SLIGHT**				1		03/12/14 16:13		
Appearance	**CLEAR**				1		03/12/14 16:13		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/04/14 23:46	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/04/14 23:46	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/04/14 23:46	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/04/14 23:46	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/04/14 23:46	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	69	%	20-130		1	02/26/14 09:10	03/04/14 23:46	877-09-8	
Decachlorobiphenyl (S)	88	%	20-130		1	02/26/14 09:10	03/04/14 23:46	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:59	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/27/14 10:35	02/28/14 06:59	7440-38-2	
Barium	**823**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:59	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 06:59	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 06:59	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:59	7440-47-3	
Cobalt	**11.9**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:59	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:59	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-13 **Lab ID: 92191006002** Collected: 02/25/14 12:15 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:59	7439-92-1	
Nickel	**28.6**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:59	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 06:59	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:59	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/27/14 10:35	02/28/14 06:59	7440-28-0	
Vanadium	**6.2**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 06:59	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 06:59	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/26/14 20:35	03/07/14 15:34	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 08:26	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 08:26	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 08:26	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 08:26	107-05-1	
Benzene	**3.6**	ug/L	1.0	0.25	1		02/28/14 08:26	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 08:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 08:26	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 08:26	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 08:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 08:26	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 08:26	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 08:26	56-23-5	
Chlorobenzene	**0.57J**	ug/L	1.0	0.23	1		02/28/14 08:26	108-90-7	
Chloroethane	**0.57J**	ug/L	1.0	0.54	1		02/28/14 08:26	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 08:26	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 08:26	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 08:26	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 08:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 08:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 08:26	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 08:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 08:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 08:26	541-73-1	
1,4-Dichlorobenzene	**7.3**	ug/L	1.0	0.33	1		02/28/14 08:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 08:26	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 08:26	75-71-8	
1,1-Dichloroethane	**1.7**	ug/L	1.0	0.32	1		02/28/14 08:26	75-34-3	
1,2-Dichloroethane	**0.25J**	ug/L	1.0	0.12	1		02/28/14 08:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 08:26	75-35-4	
cis-1,2-Dichloroethene	**10.9**	ug/L	1.0	0.19	1		02/28/14 08:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 08:26	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 08:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 08:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 08:26	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-13 **Lab ID: 92191006002** Collected: 02/25/14 12:15 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 08:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 08:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 08:26	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 08:26	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 08:26	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 08:26	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 08:26	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 08:26	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 08:26	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 08:26	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 08:26	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 08:26	108-10-1	
Naphthalene	**1.0**	ug/L	1.0	0.24	1		02/28/14 08:26	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 08:26	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 08:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 08:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 08:26	79-34-5	
Tetrachloroethene	**1.2**	ug/L	1.0	0.46	1		02/28/14 08:26	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 08:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 08:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 08:26	79-00-5	
Trichloroethene	**0.98J**	ug/L	1.0	0.47	1		02/28/14 08:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 08:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 08:26	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 08:26	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 08:26	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 08:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 08:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 08:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/28/14 08:26	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/28/14 08:26	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		02/28/14 08:26	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/07/14 16:07	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-14 **Lab ID: 92191006003** Collected: 02/25/14 12:40 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:14		
Collected Date	**02/25/14**				1		03/12/14 16:14		
Collected Time	**12:40**				1		03/12/14 16:14		
Field pH	**6.3**	Std. Units	0.10	0.10	1		03/12/14 16:14		
Field Temperature	**13.0**	deg C	0.50	0.50	1		03/12/14 16:14		
Field Specific Conductance	**742**	umhos/cm	1.0	1.0	1		03/12/14 16:14		
Turbidity	**4.88**	NTU	1.0	1.0	1		03/12/14 16:14		
Odor	**NONE**				1		03/12/14 16:14		
Appearance	**CLEAR**				1		03/12/14 16:14		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 00:03	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:03	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 00:03	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 00:03	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 00:03	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	69	%	20-130		1	02/26/14 09:10	03/05/14 00:03	877-09-8	
Decachlorobiphenyl (S)	92	%	20-130		1	02/26/14 09:10	03/05/14 00:03	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:02	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/27/14 10:35	02/28/14 07:02	7440-38-2	
Barium	**240**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:02	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:02	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:02	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:02	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:02	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:02	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-14 **Lab ID: 92191006003** Collected: 02/25/14 12:40 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:02	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:02	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:02	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:02	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/27/14 10:35	02/28/14 07:02	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:02	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:02	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/26/14 20:35	03/07/14 15:37	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 08:42	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 08:42	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 08:42	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 08:42	107-05-1	
Benzene	**1.3**	ug/L	1.0	0.25	1		02/28/14 08:42	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 08:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 08:42	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 08:42	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 08:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 08:42	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 08:42	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 08:42	56-23-5	
Chlorobenzene	**1.5**	ug/L	1.0	0.23	1		02/28/14 08:42	108-90-7	
Chloroethane	**1.0**	ug/L	1.0	0.54	1		02/28/14 08:42	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 08:42	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 08:42	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 08:42	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 08:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 08:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 08:42	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 08:42	74-95-3	
1,2-Dichlorobenzene	**70.5**	ug/L	1.0	0.30	1		02/28/14 08:42	95-50-1	
1,3-Dichlorobenzene	**0.42J**	ug/L	1.0	0.24	1		02/28/14 08:42	541-73-1	
1,4-Dichlorobenzene	**18.0**	ug/L	1.0	0.33	1		02/28/14 08:42	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 08:42	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 08:42	75-71-8	
1,1-Dichloroethane	**0.68J**	ug/L	1.0	0.32	1		02/28/14 08:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 08:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 08:42	75-35-4	
cis-1,2-Dichloroethene	**15.1**	ug/L	1.0	0.19	1		02/28/14 08:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 08:42	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 08:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 08:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 08:42	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-14 **Lab ID: 92191006003** Collected: 02/25/14 12:40 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 08:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 08:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 08:42	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 08:42	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 08:42	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 08:42	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 08:42	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 08:42	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 08:42	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 08:42	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 08:42	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 08:42	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 08:42	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 08:42	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 08:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 08:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 08:42	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 08:42	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 08:42	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 08:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 08:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 08:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 08:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 08:42	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 08:42	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 08:42	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 08:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 08:42	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 08:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/28/14 08:42	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/28/14 08:42	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/28/14 08:42	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/07/14 16:08	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-14D **Lab ID: 92191006004** Collected: 02/25/14 12:55 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:16		
Collected Date	**02/25/14**				1		03/12/14 16:16		
Collected Time	**12:55**				1		03/12/14 16:16		
Field pH	**9.6**	Std. Units	0.10	0.10	1		03/12/14 16:16		
Field Temperature	**13.1**	deg C	0.50	0.50	1		03/12/14 16:16		
Field Specific Conductance	**214**	umhos/cm	1.0	1.0	1		03/12/14 16:16		
Turbidity	**4.27**	NTU	1.0	1.0	1		03/12/14 16:16		
Odor	**SLIGHT**				1		03/12/14 16:16		
Appearance	**CLEAR**				1		03/12/14 16:16		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 00:21	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:21	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 00:21	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 00:21	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 00:21	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	57	%	20-130		1	02/26/14 09:10	03/05/14 00:21	877-09-8	
Decachlorobiphenyl (S)	60	%	20-130		1	02/26/14 09:10	03/05/14 00:21	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:15	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/27/14 10:35	02/28/14 07:15	7440-38-2	
Barium	**42.4**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:15	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:15	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:15	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:15	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:15	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:15	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-14D **Lab ID: 92191006004** Collected: 02/25/14 12:55 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:15	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:15	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:15	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:15	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/27/14 10:35	02/28/14 07:15	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:15	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:15	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/26/14 20:35	03/07/14 15:40	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 08:58	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 08:58	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 08:58	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 08:58	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/14 08:58	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 08:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 08:58	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 08:58	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 08:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 08:58	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 08:58	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 08:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 08:58	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 08:58	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 08:58	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 08:58	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 08:58	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 08:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 08:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 08:58	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 08:58	74-95-3	
1,2-Dichlorobenzene	**1.6**	ug/L	1.0	0.30	1		02/28/14 08:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 08:58	541-73-1	
1,4-Dichlorobenzene	**0.36J**	ug/L	1.0	0.33	1		02/28/14 08:58	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 08:58	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 08:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/28/14 08:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 08:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 08:58	75-35-4	
cis-1,2-Dichloroethene	**0.68J**	ug/L	1.0	0.19	1		02/28/14 08:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 08:58	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 08:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 08:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 08:58	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-14D **Lab ID: 92191006004** Collected: 02/25/14 12:55 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 08:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 08:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 08:58	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 08:58	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 08:58	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 08:58	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 08:58	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 08:58	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 08:58	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 08:58	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 08:58	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 08:58	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 08:58	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 08:58	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 08:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 08:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 08:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 08:58	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 08:58	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 08:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 08:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 08:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 08:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 08:58	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 08:58	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 08:58	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 08:58	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 08:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 08:58	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/28/14 08:58	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/28/14 08:58	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/28/14 08:58	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/07/14 16:08	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-15 **Lab ID: 92191006005** Collected: 02/25/14 11:30 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:17		
Collected Date	**02/25/14**				1		03/12/14 16:17		
Collected Time	**11:30**				1		03/12/14 16:17		
Field pH	**7.4**	Std. Units	0.10	0.10	1		03/12/14 16:17		
Field Temperature	**13.2**	deg C	0.50	0.50	1		03/12/14 16:17		
Field Specific Conductance	**701**	umhos/cm	1.0	1.0	1		03/12/14 16:17		
Turbidity	**3.29**	NTU	1.0	1.0	1		03/12/14 16:17		
Odor	**NONE**				1		03/12/14 16:17		
Appearance	**CLEAR**				1		03/12/14 16:17		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 00:38	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:38	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 00:38	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 00:38	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 00:38	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	69	%	20-130		1	02/26/14 09:10	03/05/14 00:38	877-09-8	
Decachlorobiphenyl (S)	86	%	20-130		1	02/26/14 09:10	03/05/14 00:38	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:18	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/27/14 10:35	02/28/14 07:18	7440-38-2	
Barium	**40.1**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:18	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:18	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:18	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:18	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:18	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:18	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-15 **Lab ID: 92191006005** Collected: 02/25/14 11:30 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:18	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:18	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:18	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:18	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/27/14 10:35	02/28/14 07:18	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:18	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:18	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/26/14 20:35	03/07/14 15:42	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 09:13	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 09:13	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 09:13	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 09:13	107-05-1	
Benzene	**0.26J**	ug/L	1.0	0.25	1		02/28/14 09:13	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 09:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 09:13	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 09:13	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 09:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 09:13	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 09:13	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 09:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 09:13	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 09:13	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 09:13	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 09:13	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 09:13	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 09:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 09:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 09:13	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 09:13	74-95-3	
1,2-Dichlorobenzene	**7.2**	ug/L	1.0	0.30	1		02/28/14 09:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 09:13	541-73-1	
1,4-Dichlorobenzene	**0.72J**	ug/L	1.0	0.33	1		02/28/14 09:13	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 09:13	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 09:13	75-71-8	
1,1-Dichloroethane	**0.54J**	ug/L	1.0	0.32	1		02/28/14 09:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 09:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 09:13	75-35-4	
cis-1,2-Dichloroethene	**3.7**	ug/L	1.0	0.19	1		02/28/14 09:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 09:13	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 09:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 09:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 09:13	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-15 **Lab ID: 92191006005** Collected: 02/25/14 11:30 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 09:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 09:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 09:13	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 09:13	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 09:13	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 09:13	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 09:13	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 09:13	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 09:13	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 09:13	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 09:13	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 09:13	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 09:13	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 09:13	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 09:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 09:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 09:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 09:13	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 09:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 09:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 09:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 09:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 09:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 09:13	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 09:13	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 09:13	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 09:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 09:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 09:13	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/14 09:13	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/28/14 09:13	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/28/14 09:13	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/07/14 16:11	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-16 **Lab ID: 92191006006** Collected: 02/25/14 10:50 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:18		
Collected Date	**02/25/14**				1		03/12/14 16:18		
Collected Time	**10:50**				1		03/12/14 16:18		
Field pH	**6.1**	Std. Units	0.10	0.10	1		03/12/14 16:18		
Field Temperature	**11.3**	deg C	0.50	0.50	1		03/12/14 16:18		
Field Specific Conductance	**89**	umhos/cm	1.0	1.0	1		03/12/14 16:18		
Turbidity	**15.8**	NTU	1.0	1.0	1		03/12/14 16:18		
Odor	**NONE**				1		03/12/14 16:18		
Appearance	**CLOUDY**				1		03/12/14 16:18		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 00:56	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 00:56	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 00:56	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 00:56	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 00:56	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	70	%	20-130		1	02/26/14 09:10	03/05/14 00:56	877-09-8	
Decachlorobiphenyl (S)	62	%	20-130		1	02/26/14 09:10	03/05/14 00:56	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:22	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/27/14 10:35	02/28/14 07:22	7440-38-2	
Barium	**176**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:22	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:22	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:22	7440-43-9	
Chromium	**5.6**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:22	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:22	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:22	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-16 **Lab ID: 92191006006** Collected: 02/25/14 10:50 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:22	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:22	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:22	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:22	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/27/14 10:35	02/28/14 07:22	7440-28-0	
Vanadium	**12.8**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:22	7440-62-2	
Zinc	**14.0**	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:22	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/26/14 20:35	03/07/14 15:45	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 09:29	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 09:29	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 09:29	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 09:29	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/14 09:29	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 09:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 09:29	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 09:29	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 09:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 09:29	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 09:29	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 09:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 09:29	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 09:29	75-00-3	
Chloroform	**1.4**	ug/L	1.0	0.14	1		02/28/14 09:29	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 09:29	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 09:29	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 09:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 09:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 09:29	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 09:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 09:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 09:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/14 09:29	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 09:29	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 09:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/28/14 09:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 09:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 09:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/28/14 09:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 09:29	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 09:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 09:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 09:29	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-16 **Lab ID: 92191006006** Collected: 02/25/14 10:50 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 09:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 09:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 09:29	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 09:29	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 09:29	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 09:29	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 09:29	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 09:29	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 09:29	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 09:29	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 09:29	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 09:29	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 09:29	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 09:29	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 09:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 09:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 09:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 09:29	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 09:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 09:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 09:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 09:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 09:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 09:29	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 09:29	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 09:29	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 09:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 09:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 09:29	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/14 09:29	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/28/14 09:29	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/28/14 09:29	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/07/14 16:12	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-16D **Lab ID: 92191006007** Collected: 02/25/14 11:05 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:18		
Collected Date	**02/25/14**				1		03/12/14 16:18		
Collected Time	**11:05**				1		03/12/14 16:18		
Field pH	**7.2**	Std. Units	0.10	0.10	1		03/12/14 16:18		
Field Temperature	**11.8**	deg C	0.50	0.50	1		03/12/14 16:18		
Field Specific Conductance	**186**	umhos/cm	1.0	1.0	1		03/12/14 16:18		
Turbidity	**6.71**	NTU	1.0	1.0	1		03/12/14 16:18		
Odor	**NONE**				1		03/12/14 16:18		
Appearance	**CLEAR**				1		03/12/14 16:18		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 01:13	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 01:13	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 01:13	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 01:13	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 01:13	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	67	%	20-130		1	02/26/14 09:10	03/05/14 01:13	877-09-8	
Decachlorobiphenyl (S)	54	%	20-130		1	02/26/14 09:10	03/05/14 01:13	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:25	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/27/14 10:35	02/28/14 07:25	7440-38-2	
Barium	**38.6**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:25	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:25	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:25	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:25	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:25	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:25	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-16D **Lab ID: 92191006007** Collected: 02/25/14 11:05 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:25	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:25	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:25	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:25	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/27/14 10:35	02/28/14 07:25	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:25	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:25	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/26/14 20:35	03/07/14 15:53	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 09:45	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 09:45	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 09:45	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 09:45	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/14 09:45	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 09:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 09:45	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 09:45	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 09:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 09:45	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 09:45	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 09:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 09:45	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 09:45	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 09:45	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 09:45	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 09:45	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 09:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 09:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 09:45	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 09:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 09:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 09:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/14 09:45	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 09:45	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 09:45	75-71-8	
1,1-Dichloroethane	**1.2**	ug/L	1.0	0.32	1		02/28/14 09:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 09:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 09:45	75-35-4	
cis-1,2-Dichloroethene	**0.82J**	ug/L	1.0	0.19	1		02/28/14 09:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 09:45	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 09:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 09:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 09:45	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-16D **Lab ID: 92191006007** Collected: 02/25/14 11:05 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 09:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 09:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 09:45	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 09:45	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 09:45	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 09:45	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 09:45	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 09:45	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 09:45	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 09:45	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 09:45	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 09:45	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 09:45	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 09:45	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 09:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 09:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 09:45	79-34-5	
Tetrachloroethene	**0.62J**	ug/L	1.0	0.46	1		02/28/14 09:45	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 09:45	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 09:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 09:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 09:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 09:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 09:45	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 09:45	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 09:45	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 09:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 09:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 09:45	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/14 09:45	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		02/28/14 09:45	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/28/14 09:45	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/07/14 16:13	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-17 **Lab ID: 92191006008** Collected: 02/25/14 10:30 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:20		
Collected Date	**02/25/14**				1		03/12/14 16:20		
Collected Time	**10:30**				1		03/12/14 16:20		
Field pH	**6.0**	Std. Units	0.10	0.10	1		03/12/14 16:20		
Field Temperature	**11.6**	deg C	0.50	0.50	1		03/12/14 16:20		
Field Specific Conductance	**77**	umhos/cm	1.0	1.0	1		03/12/14 16:20		
Turbidity	**2.96**	NTU	1.0	1.0	1		03/12/14 16:20		
Odor	**NONE**				1		03/12/14 16:20		
Appearance	**CLEAR**				1		03/12/14 16:20		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 03:16	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:16	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 03:16	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 03:16	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 03:16	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	68	%	20-130		1	02/26/14 09:10	03/05/14 03:16	877-09-8	
Decachlorobiphenyl (S)	45	%	20-130		1	02/26/14 09:10	03/05/14 03:16	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:28	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/27/14 10:35	02/28/14 07:28	7440-38-2	
Barium	**48.8**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:28	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:28	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:28	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:28	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:28	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:28	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-17 **Lab ID: 92191006008** Collected: 02/25/14 10:30 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:28	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:28	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:28	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:28	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/27/14 10:35	02/28/14 07:28	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:28	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:28	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/26/14 20:35	03/07/14 15:56	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 10:00	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 10:00	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 10:00	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 10:00	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/14 10:00	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 10:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 10:00	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 10:00	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 10:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 10:00	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 10:00	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 10:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 10:00	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 10:00	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 10:00	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 10:00	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 10:00	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 10:00	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 10:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 10:00	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 10:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 10:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 10:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/14 10:00	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 10:00	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 10:00	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/28/14 10:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 10:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 10:00	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/28/14 10:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 10:00	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 10:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 10:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 10:00	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-17 **Lab ID: 92191006008** Collected: 02/25/14 10:30 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 10:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 10:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 10:00	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 10:00	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 10:00	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 10:00	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 10:00	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 10:00	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 10:00	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 10:00	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 10:00	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 10:00	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 10:00	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 10:00	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 10:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 10:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 10:00	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 10:00	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 10:00	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 10:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 10:00	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 10:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 10:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 10:00	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 10:00	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 10:00	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 10:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 10:00	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 10:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/14 10:00	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/28/14 10:00	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/28/14 10:00	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/07/14 16:14	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-22 **Lab ID: 92191006009** Collected: 02/25/14 10:10 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:21		
Collected Date	**02/25/14**				1		03/12/14 16:21		
Collected Time	**10:10**				1		03/12/14 16:21		
Field pH	**5.8**	Std. Units	0.10	0.10	1		03/12/14 16:21		
Field Temperature	**7.8**	deg C	0.50	0.50	1		03/12/14 16:21		
Field Specific Conductance	**72**	umhos/cm	1.0	1.0	1		03/12/14 16:21		
Turbidity	**5.59**	NTU	1.0	1.0	1		03/12/14 16:21		
Odor	**NONE**				1		03/12/14 16:21		
Appearance	**CLEAR**				1		03/12/14 16:21		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 03:33	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:33	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 03:33	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 03:33	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 03:33	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	59	%	20-130		1	02/26/14 09:10	03/05/14 03:33	877-09-8	
Decachlorobiphenyl (S)	70	%	20-130		1	02/26/14 09:10	03/05/14 03:33	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:31	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/27/14 10:35	02/28/14 07:31	7440-38-2	
Barium	**74.7**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:31	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:31	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:31	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:31	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:31	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:31	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-22 **Lab ID: 92191006009** Collected: 02/25/14 10:10 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:31	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:31	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:31	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:31	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/27/14 10:35	02/28/14 07:31	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:31	7440-62-2	
Zinc	**35.2**	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:31	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/26/14 20:35	03/07/14 15:58	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 10:16	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 10:16	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 10:16	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 10:16	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/14 10:16	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 10:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 10:16	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 10:16	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 10:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 10:16	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 10:16	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 10:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 10:16	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 10:16	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 10:16	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 10:16	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 10:16	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 10:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 10:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 10:16	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 10:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 10:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 10:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/14 10:16	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 10:16	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 10:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/28/14 10:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 10:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 10:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/28/14 10:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 10:16	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 10:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 10:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 10:16	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-22 **Lab ID: 92191006009** Collected: 02/25/14 10:10 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 10:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 10:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 10:16	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 10:16	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 10:16	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 10:16	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 10:16	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 10:16	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 10:16	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 10:16	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 10:16	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 10:16	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 10:16	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 10:16	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 10:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 10:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 10:16	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 10:16	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 10:16	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 10:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 10:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 10:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 10:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 10:16	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 10:16	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 10:16	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 10:16	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 10:16	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 10:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/14 10:16	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/28/14 10:16	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/28/14 10:16	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/07/14 16:16	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-25 **Lab ID: 92191006010** Collected: 02/25/14 13:35 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 16:22		
Collected Date	**02/25/14**				1		03/12/14 16:22		
Collected Time	**13:35**				1		03/12/14 16:22		
Field pH	**10.15**	Std. Units	0.10	0.10	1		03/12/14 16:22		
Field Temperature	**14.8**	deg C	0.50	0.50	1		03/12/14 16:22		
Field Specific Conductance	**663**	umhos/cm	1.0	1.0	1		03/12/14 16:22		
Turbidity	**4.56**	NTU	1.0	1.0	1		03/12/14 16:22		
Odor	**SLIGHT**				1		03/12/14 16:22		
Appearance	**CLEAR**				1		03/12/14 16:22		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	319-86-8	
gamma-BHC (Lindane)	**0.22**	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	58-89-9	C2
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 03:51	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	53494-70-5	
Heptachlor	**0.070**	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	02/26/14 09:10	03/05/14 03:51	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 03:51	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	02/26/14 09:10	03/05/14 03:51	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	02/26/14 09:10	03/05/14 03:51	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	44	%	20-130		1	02/26/14 09:10	03/05/14 03:51	877-09-8	
Decachlorobiphenyl (S)	44	%	20-130		1	02/26/14 09:10	03/05/14 03:51	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:35	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/27/14 10:35	02/28/14 07:35	7440-38-2	
Barium	**19.2**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:35	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:35	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/27/14 10:35	02/28/14 07:35	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:35	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:35	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:35	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-25 **Lab ID: 92191006010** Collected: 02/25/14 13:35 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:35	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:35	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:35	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:35	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/27/14 10:35	02/28/14 07:35	7440-28-0	
Vanadium	**9.2**	ug/L	5.0	5.0	1	02/27/14 10:35	02/28/14 07:35	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/27/14 10:35	02/28/14 07:35	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/26/14 20:35	03/07/14 16:01	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 10:32	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 10:32	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 10:32	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 10:32	107-05-1	
Benzene	**5.7**	ug/L	1.0	0.25	1		02/28/14 10:32	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 10:32	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 10:32	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 10:32	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 10:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 10:32	78-93-3	
Carbon disulfide	**1.2J**	ug/L	2.0	1.2	1		02/28/14 10:32	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 10:32	56-23-5	
Chlorobenzene	**0.39J**	ug/L	1.0	0.23	1		02/28/14 10:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 10:32	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 10:32	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 10:32	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 10:32	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 10:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 10:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 10:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 10:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 10:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 10:32	541-73-1	
1,4-Dichlorobenzene	**2.8**	ug/L	1.0	0.33	1		02/28/14 10:32	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 10:32	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 10:32	75-71-8	
1,1-Dichloroethane	**8.7**	ug/L	1.0	0.32	1		02/28/14 10:32	75-34-3	
1,2-Dichloroethane	**0.87J**	ug/L	1.0	0.12	1		02/28/14 10:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 10:32	75-35-4	
cis-1,2-Dichloroethene	**14.1**	ug/L	1.0	0.19	1		02/28/14 10:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 10:32	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 10:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 10:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 10:32	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Sample: MW-25 **Lab ID: 92191006010** Collected: 02/25/14 13:35 Received: 02/25/14 16:15 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 10:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 10:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 10:32	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 10:32	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 10:32	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 10:32	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 10:32	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 10:32	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 10:32	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 10:32	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 10:32	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 10:32	108-10-1	
Naphthalene	**8.9**	ug/L	1.0	0.24	1		02/28/14 10:32	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 10:32	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 10:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 10:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 10:32	79-34-5	
Tetrachloroethene	**1.3**	ug/L	1.0	0.46	1		02/28/14 10:32	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 10:32	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 10:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 10:32	79-00-5	
Trichloroethene	**1.9**	ug/L	1.0	0.47	1		02/28/14 10:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 10:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 10:32	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 10:32	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 10:32	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 10:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 10:32	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 10:32	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/14 10:32	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	70-130		1		02/28/14 10:32	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/28/14 10:32	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/07/14 16:17	57-12-5	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191006

QC Batch: MERP/6237 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

METHOD BLANK: 1146240 Matrix: Water
Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/07/14 15:21	

LABORATORY CONTROL SAMPLE: 1146241

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1146242 1146243

Parameter	Units	92191006001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.3	2.3	93	92	75-125	1	25	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191006

QC Batch: MPRP/15322 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

METHOD BLANK: 1146556 | Matrix: Water
Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	02/28/14 06:10	
Arsenic	ug/L	ND	10.0	02/28/14 06:10	
Barium	ug/L	ND	5.0	02/28/14 06:10	
Beryllium	ug/L	0.47J	1.0	02/28/14 06:10	
Cadmium	ug/L	ND	1.0	02/28/14 06:10	
Chromium	ug/L	ND	5.0	02/28/14 06:10	
Cobalt	ug/L	ND	5.0	02/28/14 06:10	
Copper	ug/L	ND	5.0	02/28/14 06:10	
Lead	ug/L	ND	5.0	02/28/14 06:10	
Nickel	ug/L	ND	5.0	02/28/14 06:10	
Selenium	ug/L	ND	10.0	02/28/14 06:10	
Silver	ug/L	0.83J	5.0	02/28/14 06:10	
Thallium	ug/L	3.5J	5.4	02/28/14 06:10	
Vanadium	ug/L	0.73J	5.0	02/28/14 06:10	
Zinc	ug/L	ND	10.0	02/28/14 06:10	

LABORATORY CONTROL SAMPLE: 1146557

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	472	94	80-120	
Arsenic	ug/L	500	454	91	80-120	
Barium	ug/L	500	459	92	80-120	
Beryllium	ug/L	500	453	91	80-120	
Cadmium	ug/L	500	454	91	80-120	
Chromium	ug/L	500	478	96	80-120	
Cobalt	ug/L	500	452	90	80-120	
Copper	ug/L	500	458	92	80-120	
Lead	ug/L	500	445	89	80-120	
Nickel	ug/L	500	458	92	80-120	
Selenium	ug/L	500	449	90	80-120	
Silver	ug/L	250	239	96	80-120	
Thallium	ug/L	500	444	89	80-120	
Vanadium	ug/L	500	471	94	80-120	
Zinc	ug/L	500	446	89	80-120	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191006

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1146558 1146559

Parameter	Units	92190693010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	471	467	94	93	75-125	1	25	
Arsenic	ug/L	ND	500	500	454	451	90	89	75-125	1	25	
Barium	ug/L	24.4J	500	500	484	478	92	91	75-125	1	25	
Beryllium	ug/L	ND	500	500	458	453	91	90	75-125	1	25	
Cadmium	ug/L	ND	500	500	455	450	91	90	75-125	1	25	
Chromium	ug/L	ND	500	500	482	479	96	96	75-125	1	25	
Cobalt	ug/L	ND	500	500	454	448	91	89	75-125	1	25	
Copper	ug/L	7.2J	500	500	469	462	92	91	75-125	2	25	
Lead	ug/L	ND	500	500	443	439	89	88	75-125	1	25	
Nickel	ug/L	ND	500	500	458	453	92	91	75-125	1	25	
Selenium	ug/L	ND	500	500	443	439	88	88	75-125	1	25	
Silver	ug/L	ND	250	250	240	239	96	95	75-125	0	25	
Thallium	ug/L	ND	500	500	449	443	89	88	75-125	1	25	
Vanadium	ug/L	ND	500	500	476	468	95	93	75-125	2	25	
Zinc	ug/L	30.9	500	500	480	475	90	89	75-125	1	25	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191006

QC Batch: MSV/25928 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

METHOD BLANK: 1147362 Matrix: Water
Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,1-Dichloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,1-Dichloroethene	ug/L	ND	1.0	02/28/14 07:55	
1,1-Dichloropropene	ug/L	ND	1.0	02/28/14 07:55	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/28/14 07:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	02/28/14 07:55	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/28/14 07:55	
1,2-Dichlorobenzene	ug/L	ND	1.0	02/28/14 07:55	
1,2-Dichloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,2-Dichloropropane	ug/L	ND	1.0	02/28/14 07:55	
1,3-Dichlorobenzene	ug/L	ND	1.0	02/28/14 07:55	
1,3-Dichloropropane	ug/L	ND	1.0	02/28/14 07:55	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/28/14 07:55	
2,2-Dichloropropane	ug/L	ND	1.0	02/28/14 07:55	
2-Butanone (MEK)	ug/L	ND	5.0	02/28/14 07:55	
2-Hexanone	ug/L	ND	5.0	02/28/14 07:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	02/28/14 07:55	
Acetone	ug/L	ND	25.0	02/28/14 07:55	
Acetonitrile	ug/L	ND	50.0	02/28/14 07:55	
Acrylonitrile	ug/L	ND	10.0	02/28/14 07:55	
Allyl chloride	ug/L	ND	2.0	02/28/14 07:55	
Benzene	ug/L	ND	1.0	02/28/14 07:55	
Bromochloromethane	ug/L	ND	1.0	02/28/14 07:55	
Bromodichloromethane	ug/L	ND	1.0	02/28/14 07:55	
Bromoform	ug/L	ND	1.0	02/28/14 07:55	
Bromomethane	ug/L	ND	2.0	02/28/14 07:55	
Carbon disulfide	ug/L	ND	2.0	02/28/14 07:55	
Carbon tetrachloride	ug/L	ND	1.0	02/28/14 07:55	
Chlorobenzene	ug/L	ND	1.0	02/28/14 07:55	
Chloroethane	ug/L	ND	1.0	02/28/14 07:55	
Chloroform	ug/L	ND	1.0	02/28/14 07:55	
Chloromethane	ug/L	ND	1.0	02/28/14 07:55	
Chloroprene	ug/L	ND	5.0	02/28/14 07:55	
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/28/14 07:55	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/28/14 07:55	
Dibromochloromethane	ug/L	ND	1.0	02/28/14 07:55	
Dibromomethane	ug/L	ND	1.0	02/28/14 07:55	
Dichlorodifluoromethane	ug/L	ND	1.0	02/28/14 07:55	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191006

METHOD BLANK: 1147362 Matrix: Water

Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethyl methacrylate	ug/L	ND	1.0	02/28/14 07:55	
Ethylbenzene	ug/L	ND	1.0	02/28/14 07:55	
Iodomethane	ug/L	ND	5.0	02/28/14 07:55	
Isobutanol	ug/L	ND	100	02/28/14 07:55	
m&p-Xylene	ug/L	ND	2.0	02/28/14 07:55	
Methacrylonitrile	ug/L	ND	10.0	02/28/14 07:55	
Methyl methacrylate	ug/L	ND	2.0	02/28/14 07:55	
Methylene Chloride	ug/L	ND	1.0	02/28/14 07:55	
Naphthalene	ug/L	ND	1.0	02/28/14 07:55	
o-Xylene	ug/L	ND	1.0	02/28/14 07:55	
Propionitrile	ug/L	ND	20.0	02/28/14 07:55	
Styrene	ug/L	ND	1.0	02/28/14 07:55	
Tetrachloroethene	ug/L	ND	1.0	02/28/14 07:55	
Toluene	ug/L	ND	1.0	02/28/14 07:55	
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/28/14 07:55	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/28/14 07:55	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	02/28/14 07:55	
Trichloroethene	ug/L	ND	1.0	02/28/14 07:55	
Trichlorofluoromethane	ug/L	ND	1.0	02/28/14 07:55	
Vinyl acetate	ug/L	ND	2.0	02/28/14 07:55	
Vinyl chloride	ug/L	ND	1.0	02/28/14 07:55	
Xylene (Total)	ug/L	ND	2.0	02/28/14 07:55	
1,2-Dichloroethane-d4 (S)	%	102	70-130	02/28/14 07:55	
4-Bromofluorobenzene (S)	%	100	70-130	02/28/14 07:55	
Toluene-d8 (S)	%	97	70-130	02/28/14 07:55	

LABORATORY CONTROL SAMPLE: 1147363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.8	102	70-130	
1,1,1-Trichloroethane	ug/L	50	47.5	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	48.4	97	70-130	
1,1-Dichloroethane	ug/L	50	41.8	84	70-130	
1,1-Dichloroethene	ug/L	50	39.4	79	70-132	
1,1-Dichloropropene	ug/L	50	45.2	90	70-130	
1,2,3-Trichloropropane	ug/L	50	53.4	107	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	59.4	119	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	44.1	88	70-130	
1,2-Dichloropropane	ug/L	50	44.9	90	70-130	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,3-Dichloropropane	ug/L	50	48.1	96	70-130	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191006

LABORATORY CONTROL SAMPLE: 1147363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	
2,2-Dichloropropane	ug/L	50	40.9	82	58-145	
2-Butanone (MEK)	ug/L	100	83.6	84	70-145	
2-Hexanone	ug/L	100	94.6	95	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	91.1	91	70-140	
Acetone	ug/L	100	83.1	83	50-175	
Acetonitrile	ug/L	500	376	75	70-130	
Acrylonitrile	ug/L	250	192	77	70-143	
Allyl chloride	ug/L	50	35.8	72	70-130	
Benzene	ug/L	50	49.7	99	70-130	
Bromochloromethane	ug/L	50	42.4	85	70-130	
Bromodichloromethane	ug/L	50	48.4	97	70-130	
Bromoform	ug/L	50	52.4	105	70-130	
Bromomethane	ug/L	50	45.9	92	54-130	
Carbon disulfide	ug/L	50	40.8	82	70-131	
Carbon tetrachloride	ug/L	50	54.5	109	70-132	
Chlorobenzene	ug/L	50	49.9	100	70-130	
Chloroethane	ug/L	50	38.4	77	64-134	
Chloroform	ug/L	50	45.4	91	70-130	
Chloromethane	ug/L	50	36.2	72	64-130	
Chloroprene	ug/L	50	44.2	88	70-130	
cis-1,2-Dichloroethene	ug/L	50	41.6	83	70-131	
cis-1,3-Dichloropropene	ug/L	50	44.5	89	70-130	
Dibromochloromethane	ug/L	50	49.9	100	70-130	
Dibromomethane	ug/L	50	48.5	97	70-131	
Dichlorodifluoromethane	ug/L	50	44.8	90	56-130	
Ethyl methacrylate	ug/L	50	45.3	91	70-130	
Ethylbenzene	ug/L	50	52.6	105	70-130	
Iodomethane	ug/L	100	80.3	80	49-180	
Isobutanol	ug/L	1000	810	81	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
Methacrylonitrile	ug/L	500	409	82	70-130	
Methyl methacrylate	ug/L	50	47.8	96	70-130	
Methylene Chloride	ug/L	50	37.2	74	63-130	
Naphthalene	ug/L	50	67.7	135	70-138	
o-Xylene	ug/L	50	51.4	103	70-130	
Propionitrile	ug/L	500	416	83	70-130	
Styrene	ug/L	50	50.7	101	70-130	
Tetrachloroethene	ug/L	50	55.6	111	70-130	
Toluene	ug/L	50	50.7	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	40.6	81	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	48.9	98	70-141	
Trichloroethene	ug/L	50	50.4	101	70-130	
Trichlorofluoromethane	ug/L	50	44.8	90	62-133	
Vinyl acetate	ug/L	100	75.5	76	66-157	
Vinyl chloride	ug/L	50	40.1	80	69-130	
Xylene (Total)	ug/L	150	159	106	70-130	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191006

LABORATORY CONTROL SAMPLE: 1147363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1147364 1147365

Parameter	Units	92191006003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	52.1	53.0	104	106	70-166	2	30	
Benzene	ug/L	1.3	50	50	55.5	57.2	108	112	70-148	3	30	
Chlorobenzene	ug/L	1.5	50	50	55.1	56.7	107	110	70-146	3	30	
Toluene	ug/L	ND	50	50	51.8	53.6	103	107	70-155	4	30	
Trichloroethene	ug/L	ND	50	50	56.5	57.9	113	115	69-151	3	30	
1,2-Dichloroethane-d4 (S)	%						96	95	70-130			
4-Bromofluorobenzene (S)	%						99	99	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191006

QC Batch: OEXT/26118 | Analysis Method: EPA 8081
QC Batch Method: EPA 3510 | Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

METHOD BLANK: 1145343 | Matrix: Water
Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.050	03/05/14 01:48	
4,4'-DDE	ug/L	ND	0.050	03/05/14 01:48	
4,4'-DDT	ug/L	ND	0.050	03/05/14 01:48	
Aldrin	ug/L	ND	0.050	03/05/14 01:48	
alpha-BHC	ug/L	ND	0.050	03/05/14 01:48	
beta-BHC	ug/L	ND	0.050	03/05/14 01:48	
Chlordane (Technical)	ug/L	ND	0.20	03/05/14 01:48	
delta-BHC	ug/L	ND	0.050	03/05/14 01:48	
Dieldrin	ug/L	ND	0.050	03/05/14 01:48	
Endosulfan I	ug/L	ND	0.050	03/05/14 01:48	
Endosulfan II	ug/L	ND	0.050	03/05/14 01:48	
Endosulfan sulfate	ug/L	ND	0.050	03/05/14 01:48	
Endrin	ug/L	ND	0.050	03/05/14 01:48	
Endrin aldehyde	ug/L	ND	0.050	03/05/14 01:48	
Endrin ketone	ug/L	ND	0.050	03/05/14 01:48	
gamma-BHC (Lindane)	ug/L	ND	0.050	03/05/14 01:48	
Heptachlor	ug/L	ND	0.050	03/05/14 01:48	
Heptachlor epoxide	ug/L	ND	0.050	03/05/14 01:48	
Hexachlorobenzene	ug/L	ND	0.050	03/05/14 01:48	
Methoxychlor	ug/L	ND	0.15	03/05/14 01:48	
Mirex	ug/L	ND	0.15	03/05/14 01:48	
Toxaphene	ug/L	ND	0.20	03/05/14 01:48	
Decachlorobiphenyl (S)	%	74	20-130	03/05/14 01:48	
Tetrachloro-m-xylene (S)	%	74	20-130	03/05/14 01:48	

LABORATORY CONTROL SAMPLE: 1145344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.25	0.22	89	20-150	
4,4'-DDE	ug/L	.25	0.21	85	20-150	
4,4'-DDT	ug/L	.25	0.22	88	20-150	
Aldrin	ug/L	.25	0.16	66	20-150	
alpha-BHC	ug/L	.25	0.19	78	20-150	
beta-BHC	ug/L	.25	0.20	81	20-150	
delta-BHC	ug/L	.25	0.21	84	20-150	
Dieldrin	ug/L	.25	0.20	81	20-150	
Endosulfan I	ug/L	.25	0.21	86	20-150	
Endosulfan II	ug/L	.25	0.21	85	20-150	
Endosulfan sulfate	ug/L	.25	0.22	87	20-150	
Endrin	ug/L	.25	0.24	97	20-150	

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Asheville, NC 28804
(828)254-7176

QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191006

LABORATORY CONTROL SAMPLE: 1145344

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin aldehyde	ug/L	.25	0.20	80	20-150	
Endrin ketone	ug/L	.25	0.22	89	20-150	
gamma-BHC (Lindane)	ug/L	.25	0.20	79	20-150	
Heptachlor	ug/L	.25	0.17	70	20-150	
Heptachlor epoxide	ug/L	.25	0.21	84	20-150	
Hexachlorobenzene	ug/L	.25	0.18	72	20-150	
Methoxychlor	ug/L	.74	0.66	89	20-150	
Mirex	ug/L	.74	0.62	84	20-150	
Decachlorobiphenyl (S)	%			77	20-130	
Tetrachloro-m-xylene (S)	%			72	20-130	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191006

QC Batch: WETA/18273 — Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E — Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

METHOD BLANK: 1152329 — Matrix: Water
Associated Lab Samples: 92191006001, 92191006002, 92191006003, 92191006004, 92191006005, 92191006006, 92191006007, 92191006008, 92191006009, 92191006010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	03/07/14 15:58	

LABORATORY CONTROL SAMPLE: 1152330

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.11	110	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1152331 — 1152332

Parameter	Units	92191656001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.0097	.1	.1	0.12	0.12	108	107	75-125	1	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1152333 — 1152334

Parameter	Units	92191006008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.12	0.12	119	118	75-125	1	20	

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QUALIFIERS

Project: FRANCIS FARM LF
Pace Project No.: 92191006

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

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

ANALYTE QUALIFIERS

C2	Relative percent difference between results from each column was greater than 40%. The lower of the two results was reported.

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(828)254-7176

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92191006001	**MW-11**		FLD/		
92191006002	**MW-13**		FLD/		
92191006003	**MW-14**		FLD/		
92191006004	**MW-14D**		FLD/		
92191006005	**MW-15**		FLD/		
92191006006	**MW-16**		FLD/		
92191006007	**MW-16D**		FLD/		
92191006008	**MW-17**		FLD/		
92191006009	**MW-22**		FLD/		
92191006010	**MW-25**		FLD/		
92191006001	**MW-11**	EPA 3510	OEXT/26118	EPA 8081	GCSV/16828
92191006002	**MW-13**	EPA 3510	OEXT/26118	EPA 8081	GCSV/16828
92191006003	**MW-14**	EPA 3510	OEXT/26118	EPA 8081	GCSV/16828
92191006004	**MW-14D**	EPA 3510	OEXT/26118	EPA 8081	GCSV/16828
92191006005	**MW-15**	EPA 3510	OEXT/26118	EPA 8081	GCSV/16828
92191006006	**MW-16**	EPA 3510	OEXT/26118	EPA 8081	GCSV/16828
92191006007	**MW-16D**	EPA 3510	OEXT/26118	EPA 8081	GCSV/16828
92191006008	**MW-17**	EPA 3510	OEXT/26118	EPA 8081	GCSV/16828
92191006009	**MW-22**	EPA 3510	OEXT/26118	EPA 8081	GCSV/16828
92191006010	**MW-25**	EPA 3510	OEXT/26118	EPA 8081	GCSV/16828
92191006001	**MW-11**	EPA 3010	MPRP/15322	EPA 6010	ICP/13904
92191006002	**MW-13**	EPA 3010	MPRP/15322	EPA 6010	ICP/13904
92191006003	**MW-14**	EPA 3010	MPRP/15322	EPA 6010	ICP/13904
92191006004	**MW-14D**	EPA 3010	MPRP/15322	EPA 6010	ICP/13904
92191006005	**MW-15**	EPA 3010	MPRP/15322	EPA 6010	ICP/13904
92191006006	**MW-16**	EPA 3010	MPRP/15322	EPA 6010	ICP/13904
92191006007	**MW-16D**	EPA 3010	MPRP/15322	EPA 6010	ICP/13904
92191006008	**MW-17**	EPA 3010	MPRP/15322	EPA 6010	ICP/13904
92191006009	**MW-22**	EPA 3010	MPRP/15322	EPA 6010	ICP/13904
92191006010	**MW-25**	EPA 3010	MPRP/15322	EPA 6010	ICP/13904
92191006001	**MW-11**	EPA 7470	MERP/6237	EPA 7470	MERC/6018
92191006002	**MW-13**	EPA 7470	MERP/6237	EPA 7470	MERC/6018
92191006003	**MW-14**	EPA 7470	MERP/6237	EPA 7470	MERC/6018
92191006004	**MW-14D**	EPA 7470	MERP/6237	EPA 7470	MERC/6018
92191006005	**MW-15**	EPA 7470	MERP/6237	EPA 7470	MERC/6018
92191006006	**MW-16**	EPA 7470	MERP/6237	EPA 7470	MERC/6018
92191006007	**MW-16D**	EPA 7470	MERP/6237	EPA 7470	MERC/6018
92191006008	**MW-17**	EPA 7470	MERP/6237	EPA 7470	MERC/6018
92191006009	**MW-22**	EPA 7470	MERP/6237	EPA 7470	MERC/6018
92191006010	**MW-25**	EPA 7470	MERP/6237	EPA 7470	MERC/6018
92191006001	**MW-11**	EPA 8260	MSV/25928		
92191006002	**MW-13**	EPA 8260	MSV/25928		
92191006003	**MW-14**	EPA 8260	MSV/25928		
92191006004	**MW-14D**	EPA 8260	MSV/25928		
92191006005	**MW-15**	EPA 8260	MSV/25928		
92191006006	**MW-16**	EPA 8260	MSV/25928		
92191006007	**MW-16D**	EPA 8260	MSV/25928		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FRANCIS FARM LF
Pace Project No.: 92191006

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92191006008	**MW-17**	EPA 8260	MSV/25928		
92191006009	**MW-22**	EPA 8260	MSV/25928		
92191006010	**MW-25**	EPA 8260	MSV/25928		
92191006001	**MW-11**	SM 4500-CN-E	WETA/18273		
92191006002	**MW-13**	SM 4500-CN-E	WETA/18273		
92191006003	**MW-14**	SM 4500-CN-E	WETA/18273		
92191006004	**MW-14D**	SM 4500-CN-E	WETA/18273		
92191006005	**MW-15**	SM 4500-CN-E	WETA/18273		
92191006006	**MW-16**	SM 4500-CN-E	WETA/18273		
92191006007	**MW-16D**	SM 4500-CN-E	WETA/18273		
92191006008	**MW-17**	SM 4500-CN-E	WETA/18273		
92191006009	**MW-22**	SM 4500-CN-E	WETA/18273		
92191006010	**MW-25**	SM 4500-CN-E	WETA/18273		

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Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 4, 2013 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.11	Issuing Authorities: Pace Asheville Quality Office

Client Name: BLE Francis Farm

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

Courier (Circle): Fed Ex UPS USPS Client Commercial Pace Other_____

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

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

Circle Thermometer Used: IR Gun#3 -130265963 IR Gun #2- 80344039 Type of Ice: Wet Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.0 C

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

Temp should be above freezing to 6°C

Date and Initials of person examining contents: RDB 2/25/14

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: TMO Date: 2·25·14

SRF Review: TMO Date: 2·25·14

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

Place label here

OR

Handwrite project number (if no label available)

92191006

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 5

1697602

Section A Required Client Information:
- Company: BLE FRANCIS FARM
- Address:
- Email To:
- Phone: Fax:
- Requested Due Date/TAT:

Section B Required Project Information:
- Report To: ANDY ALEXANDER
- Copy To:
- Purchase Order No.:
- Project Name: FRANCIS FARM LF
- Project Number:

Section C Invoice Information:
- Attention:
- Company Name:
- Address:
- Pace Quote Reference:
- Pace Project Manager:
- Pace Profile #: 1915-4

REGULATORY AGENCY
- NPDES
- GROUND WATER
- DRINKING WATER
- UST
- RCRA
- OTHER

Site Location STATE: NC

Section D Required Client Information

Matrix Codes (see valid codes to left)

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

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

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: Fld	Sulf. Hi	VOC	Metals	Cr-8021	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-11					2-25-14	1320		7	2		1	3	1				X	X	X	X	X	Y	001
2	MW-13					2-25	1215		7	2		1	3	1				Y	Y	X	X	X	Y	002
3	MW-14					2-25	1240		7	2		1	3	1				Y	X	X	X	X	X	003
4	MW-14D					2-25	1255		7	2		1	3	1				X	X	X	X	X	X	004
5	MW-15					2-25	1130		7	2		1	3	1				X	X	X	X	X	X	005
6	MW-16					2-25	1050		7	2		1	3	1				X	X	X	X	X	X	006
7	MW-16D					2-25	1105		7	2		1	3	1				X	X	X	X	X	X	007
8	MW-17					2-25	1030		7	2		1	3	1				X	X	X	X	X	X	008
9	MW-22					2-25	1010		7	2		1	3	1				X	X	X	X	X	X	009
10	MW-25					2-25	1335		7	2		1	3	1				X	X	X	X	X	X	010
11																								
12																								

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		2-25-14	1535	[signature]	2-25-14	1535				
	[signature]	2-25-14	1615	Bill Denise Blair	2-25-14	1615	4.3	Y	N	Y

SAMPLER NAME AND SIGNATURE
- PRINT Name of SAMPLER: MARK L. SWANN
- SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2-25-14

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

ORIGINAL

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

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

March 19, 2014

Mr. Stephen King
Haywood Co. Solid Waste
278 Recycle Rd.
Clyde, NC 28721

RE: Project: FRANCIS FARM LF
Pace Project No.: 92191140

Dear Mr. King:
Enclosed are the analytical results for sample(s) received by the laboratory on February 26, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

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

Sincerely,

Tabitha Dacal

Tabitha M Dacal
tabitha.dacal@pacelabs.com
Project Manager

Enclosures

cc: Andy Alexander, BLE
Mr. Stephen King, Haywood Co. Solid Waste

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Asheville, NC 28804
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CERTIFICATIONS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Charlotte Certification IDs
9800 Kincey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001
Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

Asheville Certification IDs
2225 Riverside Dr., Asheville, NC 28804
Florida/NELAP Certification #: E87648
Massachusetts Certification #: M-NC030
North Carolina Drinking Water Certification #: 37712
North Carolina Wastewater Certification #: 40
South Carolina Certification #: 99030001
West Virginia Certification #: 356
Virginia/VELAP Certification #: 460222

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Asheville, NC 28804
(828)254-7176

SAMPLE SUMMARY

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92191140001	**MW-2A**	Water	02/26/14 10:45	02/26/14 13:30
92191140002	**MW-3A**	Water	02/26/14 11:15	02/26/14 13:30
92191140003	**MW-5**	Water	02/26/14 11:55	02/26/14 13:30
92191140004	**MW-12**	Water	02/26/14 12:25	02/26/14 13:30
92191140005	**TRIP BLANK**	Water	02/20/14 00:00	02/26/14 13:30
92191140006	**EQUIP BLK**	Water	02/20/14 00:00	02/26/14 13:30

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Asheville, NC 28804
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SAMPLE ANALYTE COUNT

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92191140001	**MW-2A**	EPA 8081	NU1	24	PASI-C
		EPA 6010	SH1	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191140002	**MW-3A**	EPA 8081	NU1	24	PASI-C
		EPA 6010	SH1	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191140003	**MW-5**	EPA 8081	NU1	24	PASI-C
		EPA 6010	SH1	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191140004	**MW-12**	EPA 8081	NU1	24	PASI-C
		EPA 6010	SH1	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C
		SM 4500-CN-E	JDA	1	PASI-A
92191140005	**TRIP BLANK**	EPA 8260	MCK	66	PASI-C
92191140006	**EQUIP BLK**	EPA 6010	SH1	15	PASI-A
		EPA 7470	MTS	1	PASI-A
		EPA 8260	MCK	66	PASI-C

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-2A **Lab ID: 92191140001** Collected: 02/26/14 10:45 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 15:10		
Collected Date	**02/26/14**				1		03/12/14 15:10		
Collected Time	**10:45**				1		03/12/14 15:10		
Field pH	**6.2**	Std. Units	0.10	0.10	1		03/12/14 15:10		
Field Temperature	**12.5**	deg C	0.50	0.50	1		03/12/14 15:10		
Field Specific Conductance	**514**	umhos/cm	1.0	1.0	1		03/12/14 15:10		
Turbidity	**1.75**	NTU	1.0	1.0	1		03/12/14 15:10		
Odor	**O&G**				1		03/12/14 15:10		
Appearance	**CLEAR**				1		03/12/14 15:10		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	03/02/14 16:10	03/08/14 23:45	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/08/14 23:45	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	03/02/14 16:10	03/08/14 23:45	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	03/02/14 16:10	03/08/14 23:45	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	03/02/14 16:10	03/08/14 23:45	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	74	%	20-130		1	03/02/14 16:10	03/08/14 23:45	877-09-8	
Decachlorobiphenyl (S)	101	%	20-130		1	03/02/14 16:10	03/08/14 23:45	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:02	7440-36-0	
Arsenic	**9.3J**	ug/L	10.0	5.0	1	02/28/14 09:05	03/01/14 02:02	7440-38-2	
Barium	**253**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:02	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/28/14 09:05	03/01/14 02:02	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/28/14 09:05	03/01/14 02:02	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:02	7440-47-3	
Cobalt	**36.6**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:02	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:02	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-2A **Lab ID: 92191140001** Collected: 02/26/14 10:45 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:02	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:02	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/28/14 09:05	03/01/14 02:02	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:02	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/28/14 09:05	03/01/14 02:02	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:02	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/28/14 09:05	03/01/14 02:02	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/27/14 18:15	03/04/14 16:08	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 10:47	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 10:47	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 10:47	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 10:47	107-05-1	
Benzene	**0.86J**	ug/L	1.0	0.25	1		02/28/14 10:47	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 10:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 10:47	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 10:47	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 10:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 10:47	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 10:47	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 10:47	56-23-5	
Chlorobenzene	**0.29J**	ug/L	1.0	0.23	1		02/28/14 10:47	108-90-7	
Chloroethane	**0.94J**	ug/L	1.0	0.54	1		02/28/14 10:47	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 10:47	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 10:47	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 10:47	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 10:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 10:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 10:47	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 10:47	74-95-3	
1,2-Dichlorobenzene	**0.43J**	ug/L	1.0	0.30	1		02/28/14 10:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 10:47	541-73-1	
1,4-Dichlorobenzene	**4.0**	ug/L	1.0	0.33	1		02/28/14 10:47	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 10:47	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 10:47	75-71-8	
1,1-Dichloroethane	**0.46J**	ug/L	1.0	0.32	1		02/28/14 10:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 10:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 10:47	75-35-4	
cis-1,2-Dichloroethene	**2.8**	ug/L	1.0	0.19	1		02/28/14 10:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 10:47	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 10:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 10:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 10:47	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-2A **Lab ID: 92191140001** Collected: 02/26/14 10:45 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 10:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 10:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 10:47	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 10:47	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 10:47	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 10:47	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 10:47	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 10:47	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 10:47	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 10:47	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 10:47	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 10:47	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 10:47	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 10:47	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 10:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 10:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 10:47	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 10:47	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 10:47	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 10:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 10:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 10:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 10:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 10:47	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 10:47	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 10:47	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 10:47	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 10:47	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 10:47	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/28/14 10:47	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/28/14 10:47	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		02/28/14 10:47	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/10/14 13:35	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-3A **Lab ID: 92191140002** Collected: 02/26/14 11:15 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 15:12		
Collected Date	**02/26/14**				1		03/12/14 15:12		
Collected Time	**11:15**				1		03/12/14 15:12		
Field pH	**6.2**	Std. Units	0.10	0.10	1		03/12/14 15:12		
Field Temperature	**12.3**	deg C	0.50	0.50	1		03/12/14 15:12		
Field Specific Conductance	**299**	umhos/cm	1.0	1.0	1		03/12/14 15:12		
Turbidity	**1.25**	NTU	1.0	1.0	1		03/12/14 15:12		
Odor	**O&G**				1		03/12/14 15:12		
Appearance	**CLEAR**				1		03/12/14 15:12		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	03/02/14 16:10	03/09/14 00:03	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:03	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	03/02/14 16:10	03/09/14 00:03	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	03/02/14 16:10	03/09/14 00:03	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	03/02/14 16:10	03/09/14 00:03	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	64	%	20-130		1	03/02/14 16:10	03/09/14 00:03	877-09-8	
Decachlorobiphenyl (S)	86	%	20-130		1	03/02/14 16:10	03/09/14 00:03	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:06	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/28/14 09:05	03/01/14 02:06	7440-38-2	
Barium	**159**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:06	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/28/14 09:05	03/01/14 02:06	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/28/14 09:05	03/01/14 02:06	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:06	7440-47-3	
Cobalt	**48.8**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:06	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:06	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-3A **Lab ID: 92191140002** Collected: 02/26/14 11:15 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010		Preparation Method: EPA 3010						
Lead	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:06	7439-92-1	
Nickel	**6.2**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:06	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/28/14 09:05	03/01/14 02:06	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:06	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/28/14 09:05	03/01/14 02:06	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:06	7440-62-2	
Zinc	**19.2**	ug/L	10.0	10.0	1	02/28/14 09:05	03/01/14 02:06	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470		Preparation Method: EPA 7470						
Mercury	ND	ug/L	0.20	0.10	1	02/27/14 18:15	03/04/14 16:10	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 11:03	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 11:03	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 11:03	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 11:03	107-05-1	
Benzene	**0.34J**	ug/L	1.0	0.25	1		02/28/14 11:03	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 11:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 11:03	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 11:03	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 11:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 11:03	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 11:03	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 11:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 11:03	108-90-7	
Chloroethane	**1.1**	ug/L	1.0	0.54	1		02/28/14 11:03	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 11:03	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 11:03	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 11:03	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 11:03	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 11:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 11:03	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 11:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 11:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 11:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/14 11:03	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 11:03	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 11:03	75-71-8	
1,1-Dichloroethane	**3.2**	ug/L	1.0	0.32	1		02/28/14 11:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 11:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 11:03	75-35-4	
cis-1,2-Dichloroethene	**0.59J**	ug/L	1.0	0.19	1		02/28/14 11:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 11:03	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 11:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 11:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 11:03	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-3A **Lab ID: 92191140002** Collected: 02/26/14 11:15 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 11:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 11:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 11:03	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 11:03	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 11:03	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 11:03	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 11:03	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 11:03	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 11:03	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 11:03	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 11:03	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 11:03	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 11:03	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 11:03	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 11:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 11:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 11:03	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 11:03	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 11:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 11:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 11:03	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 11:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 11:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 11:03	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 11:03	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 11:03	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 11:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 11:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 11:03	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/28/14 11:03	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	70-130		1		02/28/14 11:03	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		02/28/14 11:03	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	**0.0084**	mg/L	0.0050	0.0050	1		03/10/14 13:39	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-5 **Lab ID: 92191140003** Collected: 02/26/14 11:55 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 15:13		
Collected Date	**02/26/14**				1		03/12/14 15:13		
Collected Time	**11:55**				1		03/12/14 15:13		
Field pH	**5.8**	Std. Units	0.10	0.10	1		03/12/14 15:13		
Field Temperature	**12.5**	deg C	0.50	0.50	1		03/12/14 15:13		
Field Specific Conductance	**258**	umhos/cm	1.0	1.0	1		03/12/14 15:13		
Turbidity	**1.42**	NTU	1.0	1.0	1		03/12/14 15:13		
Odor	**O&G**				1		03/12/14 15:13		
Appearance	**CLEAR**				1		03/12/14 15:13		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	03/02/14 16:10	03/09/14 00:20	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:20	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	03/02/14 16:10	03/09/14 00:20	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	03/02/14 16:10	03/09/14 00:20	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	03/02/14 16:10	03/09/14 00:20	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	65	%	20-130		1	03/02/14 16:10	03/09/14 00:20	877-09-8	
Decachlorobiphenyl (S)	68	%	20-130		1	03/02/14 16:10	03/09/14 00:20	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:19	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/28/14 09:05	03/01/14 02:19	7440-38-2	
Barium	**210**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:19	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/28/14 09:05	03/01/14 02:19	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/28/14 09:05	03/01/14 02:19	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:19	7440-47-3	
Cobalt	**6.9**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:19	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:19	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-5 **Lab ID: 92191140003** Collected: 02/26/14 11:55 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:19	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:19	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/28/14 09:05	03/01/14 02:19	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:19	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/28/14 09:05	03/01/14 02:19	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:19	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/28/14 09:05	03/01/14 02:19	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/27/14 18:15	03/04/14 16:13	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 11:19	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 11:19	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 11:19	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 11:19	107-05-1	
Benzene	**4.4**	ug/L	1.0	0.25	1		02/28/14 11:19	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 11:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 11:19	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 11:19	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 11:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 11:19	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 11:19	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 11:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 11:19	108-90-7	
Chloroethane	**1.4**	ug/L	1.0	0.54	1		02/28/14 11:19	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 11:19	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 11:19	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 11:19	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 11:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 11:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 11:19	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 11:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 11:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 11:19	541-73-1	
1,4-Dichlorobenzene	**1.4**	ug/L	1.0	0.33	1		02/28/14 11:19	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 11:19	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 11:19	75-71-8	
1,1-Dichloroethane	**6.8**	ug/L	1.0	0.32	1		02/28/14 11:19	75-34-3	
1,2-Dichloroethane	**0.25J**	ug/L	1.0	0.12	1		02/28/14 11:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 11:19	75-35-4	
cis-1,2-Dichloroethene	**10.2**	ug/L	1.0	0.19	1		02/28/14 11:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 11:19	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 11:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 11:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 11:19	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-5 **Lab ID: 92191140003** Collected: 02/26/14 11:55 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 11:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 11:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 11:19	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 11:19	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 11:19	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 11:19	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 11:19	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 11:19	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 11:19	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 11:19	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 11:19	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 11:19	108-10-1	
Naphthalene	**0.80J**	ug/L	1.0	0.24	1		02/28/14 11:19	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 11:19	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 11:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 11:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 11:19	79-34-5	
Tetrachloroethene	**5.1**	ug/L	1.0	0.46	1		02/28/14 11:19	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 11:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 11:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 11:19	79-00-5	
Trichloroethene	**4.1**	ug/L	1.0	0.47	1		02/28/14 11:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 11:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 11:19	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 11:19	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 11:19	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 11:19	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 11:19	179601-23-1	
o-Xylene	**0.52J**	ug/L	1.0	0.23	1		02/28/14 11:19	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/14 11:19	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/28/14 11:19	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/28/14 11:19	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/10/14 13:42	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-12 **Lab ID: 92191140004** Collected: 02/26/14 12:25 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
Monitoring Well Data	Analytical Method:								
Collected By	**MPS**				1		03/12/14 15:15		
Collected Date	**02/26/14**				1		03/12/14 15:15		
Collected Time	**12:25**				1		03/12/14 15:15		
Field pH	**6.6**	Std. Units	0.10	0.10	1		03/12/14 15:15		
Field Temperature	**12.0**	deg C	0.50	0.50	1		03/12/14 15:15		
Field Specific Conductance	**107**	umhos/cm	1.0	1.0	1		03/12/14 15:15		
Turbidity	**9.20**	NTU	1.0	1.0	1		03/12/14 15:15		
Odor	**O&G**				1		03/12/14 15:15		
Appearance	**CLEAR**				1		03/12/14 15:15		
8081 Organochlorine Pesticides	Analytical Method: EPA 8081 Preparation Method: EPA 3510								
Aldrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	309-00-2	
alpha-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	319-84-6	
beta-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	319-85-7	
delta-BHC	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	319-86-8	
gamma-BHC (Lindane)	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	58-89-9	
Chlordane (Technical)	ND	ug/L	0.20	0.20	1	03/02/14 16:10	03/09/14 00:38	57-74-9	
4,4'-DDD	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	72-54-8	
4,4'-DDE	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	72-55-9	
4,4'-DDT	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	50-29-3	
Dieldrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	60-57-1	
Endosulfan I	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	959-98-8	
Endosulfan II	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	33213-65-9	
Endosulfan sulfate	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	1031-07-8	
Endrin	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	72-20-8	
Endrin aldehyde	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	7421-93-4	
Endrin ketone	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	53494-70-5	
Heptachlor	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	76-44-8	
Heptachlor epoxide	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	1024-57-3	
Hexachlorobenzene	ND	ug/L	0.050	0.050	1	03/02/14 16:10	03/09/14 00:38	118-74-1	
Methoxychlor	ND	ug/L	0.15	0.15	1	03/02/14 16:10	03/09/14 00:38	72-43-5	
Mirex	ND	ug/L	0.15	0.15	1	03/02/14 16:10	03/09/14 00:38	2385-85-5	
Toxaphene	ND	ug/L	0.20	0.20	1	03/02/14 16:10	03/09/14 00:38	8001-35-2	
Surrogates									
Tetrachloro-m-xylene (S)	66	%	20-130		1	03/02/14 16:10	03/09/14 00:38	877-09-8	
Decachlorobiphenyl (S)	58	%	20-130		1	03/02/14 16:10	03/09/14 00:38	2051-24-3	
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:22	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/28/14 09:05	03/01/14 02:22	7440-38-2	
Barium	**185**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:22	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/28/14 09:05	03/01/14 02:22	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/28/14 09:05	03/01/14 02:22	7440-43-9	
Chromium	**6.5**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:22	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:22	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:22	7440-50-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-12 **Lab ID: 92191140004** Collected: 02/26/14 12:25 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Lead	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:22	7439-92-1	
Nickel	**8.0**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:22	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/28/14 09:05	03/01/14 02:22	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:22	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/28/14 09:05	03/01/14 02:22	7440-28-0	
Vanadium	**7.4**	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:22	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/28/14 09:05	03/01/14 02:22	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/27/14 18:15	03/04/14 16:16	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 11:34	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 11:34	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 11:34	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 11:34	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/14 11:34	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 11:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 11:34	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 11:34	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 11:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 11:34	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 11:34	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 11:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 11:34	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 11:34	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 11:34	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 11:34	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 11:34	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 11:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 11:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 11:34	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 11:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 11:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 11:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/14 11:34	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 11:34	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 11:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/28/14 11:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 11:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 11:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/28/14 11:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 11:34	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 11:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 11:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 11:34	594-20-7	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: MW-12 **Lab ID: 92191140004** Collected: 02/26/14 12:25 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 11:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 11:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 11:34	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 11:34	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 11:34	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 11:34	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 11:34	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 11:34	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 11:34	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 11:34	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 11:34	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 11:34	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 11:34	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 11:34	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 11:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 11:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 11:34	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 11:34	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 11:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 11:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 11:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 11:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 11:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 11:34	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 11:34	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 11:34	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 11:34	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 11:34	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 11:34	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		02/28/14 11:34	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	70-130		1		02/28/14 11:34	17060-07-0	
Toluene-d8 (S)	96	%	70-130		1		02/28/14 11:34	2037-26-5	
4500CNE Cyanide, Total	Analytical Method: SM 4500-CN-E								
Cyanide	ND	mg/L	0.0050	0.0050	1		03/10/14 13:43	57-12-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: TRIP BLANK **Lab ID: 92191140005** Collected: 02/20/14 00:00 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 11:50	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 11:50	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 11:50	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 11:50	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/14 11:50	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 11:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 11:50	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 11:50	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 11:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 11:50	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 11:50	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 11:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 11:50	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 11:50	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 11:50	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 11:50	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 11:50	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 11:50	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 11:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 11:50	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 11:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 11:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 11:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/14 11:50	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 11:50	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 11:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/28/14 11:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 11:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 11:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/28/14 11:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 11:50	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 11:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 11:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 11:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 11:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 11:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 11:50	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 11:50	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 11:50	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 11:50	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 11:50	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 11:50	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 11:50	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 11:50	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 11:50	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 11:50	108-10-1	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: TRIP BLANK **Lab ID: 92191140005** Collected: 02/20/14 00:00 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 11:50	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 11:50	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 11:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 11:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 11:50	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 11:50	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 11:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 11:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 11:50	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 11:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 11:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 11:50	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 11:50	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 11:50	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 11:50	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 11:50	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 11:50	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		02/28/14 11:50	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/28/14 11:50	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		02/28/14 11:50	2037-26-5	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: EQUIP BLK **Lab ID: 92191140006** Collected: 02/20/14 00:00 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 ICP Groundwater	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Antimony	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:26	7440-36-0	
Arsenic	ND	ug/L	10.0	5.0	1	02/28/14 09:05	03/01/14 02:26	7440-38-2	
Barium	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:26	7440-39-3	
Beryllium	ND	ug/L	1.0	1.0	1	02/28/14 09:05	03/01/14 02:26	7440-41-7	
Cadmium	ND	ug/L	1.0	1.0	1	02/28/14 09:05	03/01/14 02:26	7440-43-9	
Chromium	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:26	7440-47-3	
Cobalt	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:26	7440-48-4	
Copper	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:26	7440-50-8	
Lead	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:26	7439-92-1	
Nickel	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:26	7440-02-0	
Selenium	ND	ug/L	10.0	10.0	1	02/28/14 09:05	03/01/14 02:26	7782-49-2	
Silver	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:26	7440-22-4	
Thallium	ND	ug/L	5.4	5.4	1	02/28/14 09:05	03/01/14 02:26	7440-28-0	
Vanadium	ND	ug/L	5.0	5.0	1	02/28/14 09:05	03/01/14 02:26	7440-62-2	
Zinc	ND	ug/L	10.0	10.0	1	02/28/14 09:05	03/01/14 02:26	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury	ND	ug/L	0.20	0.10	1	02/27/14 18:15	03/04/14 16:18	7439-97-6	
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
Acetone	ND	ug/L	25.0	10.0	1		02/28/14 12:05	67-64-1	
Acetonitrile	ND	ug/L	50.0	2.2	1		02/28/14 12:05	75-05-8	
Acrylonitrile	ND	ug/L	10.0	1.9	1		02/28/14 12:05	107-13-1	
Allyl chloride	ND	ug/L	2.0	1.5	1		02/28/14 12:05	107-05-1	
Benzene	ND	ug/L	1.0	0.25	1		02/28/14 12:05	71-43-2	
Bromochloromethane	ND	ug/L	1.0	0.17	1		02/28/14 12:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.18	1		02/28/14 12:05	75-27-4	
Bromoform	ND	ug/L	1.0	0.26	1		02/28/14 12:05	75-25-2	
Bromomethane	ND	ug/L	2.0	0.29	1		02/28/14 12:05	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	0.96	1		02/28/14 12:05	78-93-3	
Carbon disulfide	ND	ug/L	2.0	1.2	1		02/28/14 12:05	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.25	1		02/28/14 12:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	0.23	1		02/28/14 12:05	108-90-7	
Chloroethane	ND	ug/L	1.0	0.54	1		02/28/14 12:05	75-00-3	
Chloroform	ND	ug/L	1.0	0.14	1		02/28/14 12:05	67-66-3	
Chloromethane	ND	ug/L	1.0	0.11	1		02/28/14 12:05	74-87-3	
Chloroprene	ND	ug/L	5.0	0.27	1		02/28/14 12:05	126-99-8	
1,2-Dibromo-3-chloropropane	ND	ug/L	5.0	2.5	1		02/28/14 12:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	0.21	1		02/28/14 12:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.27	1		02/28/14 12:05	106-93-4	
Dibromomethane	ND	ug/L	1.0	0.21	1		02/28/14 12:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.30	1		02/28/14 12:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.24	1		02/28/14 12:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.33	1		02/28/14 12:05	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/L	1.0	1.0	1		02/28/14 12:05	110-57-6	
Dichlorodifluoromethane	ND	ug/L	1.0	0.21	1		02/28/14 12:05	75-71-8	

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ANALYTICAL RESULTS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Sample: EQUIP BLK **Lab ID: 92191140006** Collected: 02/20/14 00:00 Received: 02/26/14 13:30 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level Landfill	Analytical Method: EPA 8260								
1,1-Dichloroethane	ND	ug/L	1.0	0.32	1		02/28/14 12:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	0.12	1		02/28/14 12:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	0.56	1		02/28/14 12:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		02/28/14 12:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.49	1		02/28/14 12:05	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	0.27	1		02/28/14 12:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	0.28	1		02/28/14 12:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	0.13	1		02/28/14 12:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	0.49	1		02/28/14 12:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.13	1		02/28/14 12:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		02/28/14 12:05	10061-02-6	
Ethylbenzene	ND	ug/L	1.0	0.30	1		02/28/14 12:05	100-41-4	
Ethyl methacrylate	ND	ug/L	1.0	0.20	1		02/28/14 12:05	97-63-2	
2-Hexanone	ND	ug/L	5.0	0.46	1		02/28/14 12:05	591-78-6	
Iodomethane	ND	ug/L	5.0	0.32	1		02/28/14 12:05	74-88-4	
Isobutanol	ND	ug/L	100	35.0	1		02/28/14 12:05	78-83-1	
Methacrylonitrile	ND	ug/L	10.0	0.93	1		02/28/14 12:05	126-98-7	
Methylene Chloride	ND	ug/L	1.0	0.97	1		02/28/14 12:05	75-09-2	
Methyl methacrylate	ND	ug/L	2.0	2.0	1		02/28/14 12:05	80-62-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.33	1		02/28/14 12:05	108-10-1	
Naphthalene	ND	ug/L	1.0	0.24	1		02/28/14 12:05	91-20-3	
Propionitrile	ND	ug/L	20.0	3.6	1		02/28/14 12:05	107-12-0	
Styrene	ND	ug/L	1.0	0.26	1		02/28/14 12:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.33	1		02/28/14 12:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.40	1		02/28/14 12:05	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	0.46	1		02/28/14 12:05	127-18-4	
Toluene	ND	ug/L	1.0	0.26	1		02/28/14 12:05	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.48	1		02/28/14 12:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.29	1		02/28/14 12:05	79-00-5	
Trichloroethene	ND	ug/L	1.0	0.47	1		02/28/14 12:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.20	1		02/28/14 12:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	0.41	1		02/28/14 12:05	96-18-4	
Vinyl acetate	ND	ug/L	2.0	0.35	1		02/28/14 12:05	108-05-4	
Vinyl chloride	ND	ug/L	1.0	0.62	1		02/28/14 12:05	75-01-4	
Xylene (Total)	ND	ug/L	2.0	0.66	1		02/28/14 12:05	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	0.66	1		02/28/14 12:05	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.23	1		02/28/14 12:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		02/28/14 12:05	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	70-130		1		02/28/14 12:05	17060-07-0	
Toluene-d8 (S)	97	%	70-130		1		02/28/14 12:05	2037-26-5	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

QC Batch: MERP/6244 Analysis Method: EPA 7470
QC Batch Method: EPA 7470 Analysis Description: 7470 Mercury
Associated Lab Samples: 92191140001, 92191140002, 92191140003, 92191140004, 92191140006

METHOD BLANK: 1147366 Matrix: Water
Associated Lab Samples: 92191140001, 92191140002, 92191140003, 92191140004, 92191140006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	ND	0.20	03/04/14 15:28	

LABORATORY CONTROL SAMPLE: 1147367

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	2.5	2.6	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1147368 1147369

Parameter	Units	92191224002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	ND	2.5	2.5	2.0	1.9	80	76	75-125	4	25	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

QC Batch: MPRP/15331 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET NC Groundwater
Associated Lab Samples: 92191140001, 92191140002, 92191140003, 92191140004, 92191140006

METHOD BLANK: 1147586 Matrix: Water
Associated Lab Samples: 92191140001, 92191140002, 92191140003, 92191140004, 92191140006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	ND	5.0	03/01/14 01:40	
Arsenic	ug/L	ND	10.0	03/01/14 01:40	
Barium	ug/L	ND	5.0	03/01/14 01:40	
Beryllium	ug/L	0.18J	1.0	03/01/14 01:40	
Cadmium	ug/L	ND	1.0	03/01/14 01:40	
Chromium	ug/L	ND	5.0	03/01/14 01:40	
Cobalt	ug/L	ND	5.0	03/01/14 01:40	
Copper	ug/L	ND	5.0	03/01/14 01:40	
Lead	ug/L	ND	5.0	03/01/14 01:40	
Nickel	ug/L	ND	5.0	03/01/14 01:40	
Selenium	ug/L	1.0J	10.0	03/01/14 01:40	
Silver	ug/L	0.35J	5.0	03/01/14 01:40	
Thallium	ug/L	ND	5.4	03/01/14 01:40	
Vanadium	ug/L	0.68J	5.0	03/01/14 01:40	
Zinc	ug/L	0.98J	10.0	03/01/14 01:40	

LABORATORY CONTROL SAMPLE: 1147587

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	492	98	80-120	
Arsenic	ug/L	500	458	92	80-120	
Barium	ug/L	500	476	95	80-120	
Beryllium	ug/L	500	474	95	80-120	
Cadmium	ug/L	500	484	97	80-120	
Chromium	ug/L	500	483	97	80-120	
Cobalt	ug/L	500	472	94	80-120	
Copper	ug/L	500	475	95	80-120	
Lead	ug/L	500	475	95	80-120	
Nickel	ug/L	500	484	97	80-120	
Selenium	ug/L	500	455	91	80-120	
Silver	ug/L	250	238	95	80-120	
Thallium	ug/L	500	455	91	80-120	
Vanadium	ug/L	500	488	98	80-120	
Zinc	ug/L	500	473	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1147588 1147589

Parameter	Units	92190918006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	ND	500	500	489	479	98	96	75-125	2	25	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1147588 1147589

Parameter	Units	92190918006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	ND	500	500	469	454	94	91	75-125	3	25	
Barium	ug/L	30.8	500	500	517	506	97	95	75-125	2	25	
Beryllium	ug/L	ND	500	500	485	475	97	95	75-125	2	25	
Cadmium	ug/L	ND	500	500	489	479	98	96	75-125	2	25	
Chromium	ug/L	ND	500	500	496	488	98	97	75-125	2	25	
Cobalt	ug/L	ND	500	500	478	470	95	94	75-125	2	25	
Copper	ug/L	ND	500	500	489	479	98	96	75-125	2	25	
Lead	ug/L	ND	500	500	474	465	94	92	75-125	2	25	
Nickel	ug/L	ND	500	500	488	481	97	96	75-125	1	25	
Selenium	ug/L	ND	500	500	463	456	92	91	75-125	2	25	
Silver	ug/L	ND	250	250	241	237	96	95	75-125	2	25	
Thallium	ug/L	ND	500	500	459	451	91	90	75-125	2	25	
Vanadium	ug/L	7.0	500	500	504	493	99	97	75-125	2	25	
Zinc	ug/L	ND	500	500	483	475	96	94	75-125	2	25	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

QC Batch: MSV/25928 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV Low Level Landfill
Associated Lab Samples: 92191140001, 92191140002, 92191140003, 92191140004, 92191140005, 92191140006

METHOD BLANK: 1147362 Matrix: Water
Associated Lab Samples: 92191140001, 92191140002, 92191140003, 92191140004, 92191140005, 92191140006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,1-Dichloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,1-Dichloroethene	ug/L	ND	1.0	02/28/14 07:55	
1,1-Dichloropropene	ug/L	ND	1.0	02/28/14 07:55	
1,2,3-Trichloropropane	ug/L	ND	1.0	02/28/14 07:55	
1,2-Dibromo-3-chloropropane	ug/L	ND	5.0	02/28/14 07:55	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/28/14 07:55	
1,2-Dichlorobenzene	ug/L	ND	1.0	02/28/14 07:55	
1,2-Dichloroethane	ug/L	ND	1.0	02/28/14 07:55	
1,2-Dichloropropane	ug/L	ND	1.0	02/28/14 07:55	
1,3-Dichlorobenzene	ug/L	ND	1.0	02/28/14 07:55	
1,3-Dichloropropane	ug/L	ND	1.0	02/28/14 07:55	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/28/14 07:55	
2,2-Dichloropropane	ug/L	ND	1.0	02/28/14 07:55	
2-Butanone (MEK)	ug/L	ND	5.0	02/28/14 07:55	
2-Hexanone	ug/L	ND	5.0	02/28/14 07:55	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	02/28/14 07:55	
Acetone	ug/L	ND	25.0	02/28/14 07:55	
Acetonitrile	ug/L	ND	50.0	02/28/14 07:55	
Acrylonitrile	ug/L	ND	10.0	02/28/14 07:55	
Allyl chloride	ug/L	ND	2.0	02/28/14 07:55	
Benzene	ug/L	ND	1.0	02/28/14 07:55	
Bromochloromethane	ug/L	ND	1.0	02/28/14 07:55	
Bromodichloromethane	ug/L	ND	1.0	02/28/14 07:55	
Bromoform	ug/L	ND	1.0	02/28/14 07:55	
Bromomethane	ug/L	ND	2.0	02/28/14 07:55	
Carbon disulfide	ug/L	ND	2.0	02/28/14 07:55	
Carbon tetrachloride	ug/L	ND	1.0	02/28/14 07:55	
Chlorobenzene	ug/L	ND	1.0	02/28/14 07:55	
Chloroethane	ug/L	ND	1.0	02/28/14 07:55	
Chloroform	ug/L	ND	1.0	02/28/14 07:55	
Chloromethane	ug/L	ND	1.0	02/28/14 07:55	
Chloroprene	ug/L	ND	5.0	02/28/14 07:55	
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/28/14 07:55	
cis-1,3-Dichloropropene	ug/L	ND	1.0	02/28/14 07:55	
Dibromochloromethane	ug/L	ND	1.0	02/28/14 07:55	
Dibromomethane	ug/L	ND	1.0	02/28/14 07:55	
Dichlorodifluoromethane	ug/L	ND	1.0	02/28/14 07:55	
Ethyl methacrylate	ug/L	ND	1.0	02/28/14 07:55	
Ethylbenzene	ug/L	ND	1.0	02/28/14 07:55	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

METHOD BLANK: 1147362 Matrix: Water
Associated Lab Samples: 92191140001, 92191140002, 92191140003, 92191140004, 92191140005, 92191140006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iodomethane	ug/L	ND	5.0	02/28/14 07:55	
Isobutanol	ug/L	ND	100	02/28/14 07:55	
m&p-Xylene	ug/L	ND	2.0	02/28/14 07:55	
Methacrylonitrile	ug/L	ND	10.0	02/28/14 07:55	
Methyl methacrylate	ug/L	ND	2.0	02/28/14 07:55	
Methylene Chloride	ug/L	ND	1.0	02/28/14 07:55	
Naphthalene	ug/L	ND	1.0	02/28/14 07:55	
o-Xylene	ug/L	ND	1.0	02/28/14 07:55	
Propionitrile	ug/L	ND	20.0	02/28/14 07:55	
Styrene	ug/L	ND	1.0	02/28/14 07:55	
Tetrachloroethene	ug/L	ND	1.0	02/28/14 07:55	
Toluene	ug/L	ND	1.0	02/28/14 07:55	
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/28/14 07:55	
trans-1,3-Dichloropropene	ug/L	ND	1.0	02/28/14 07:55	
trans-1,4-Dichloro-2-butene	ug/L	ND	1.0	02/28/14 07:55	
Trichloroethene	ug/L	ND	1.0	02/28/14 07:55	
Trichlorofluoromethane	ug/L	ND	1.0	02/28/14 07:55	
Vinyl acetate	ug/L	ND	2.0	02/28/14 07:55	
Vinyl chloride	ug/L	ND	1.0	02/28/14 07:55	
Xylene (Total)	ug/L	ND	2.0	02/28/14 07:55	
1,2-Dichloroethane-d4 (S)	%	102	70-130	02/28/14 07:55	
4-Bromofluorobenzene (S)	%	100	70-130	02/28/14 07:55	
Toluene-d8 (S)	%	97	70-130	02/28/14 07:55	

LABORATORY CONTROL SAMPLE: 1147363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.8	102	70-130	
1,1,1-Trichloroethane	ug/L	50	47.5	95	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	48.4	97	70-130	
1,1-Dichloroethane	ug/L	50	41.8	84	70-130	
1,1-Dichloroethene	ug/L	50	39.4	79	70-132	
1,1-Dichloropropene	ug/L	50	45.2	90	70-130	
1,2,3-Trichloropropane	ug/L	50	53.4	107	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	59.4	119	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	50.1	100	70-130	
1,2-Dichlorobenzene	ug/L	50	50.4	101	70-130	
1,2-Dichloroethane	ug/L	50	44.1	88	70-130	
1,2-Dichloropropane	ug/L	50	44.9	90	70-130	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,3-Dichloropropane	ug/L	50	48.1	96	70-130	
1,4-Dichlorobenzene	ug/L	50	50.0	100	70-130	
2,2-Dichloropropane	ug/L	50	40.9	82	58-145	
2-Butanone (MEK)	ug/L	100	83.6	84	70-145	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

LABORATORY CONTROL SAMPLE: 1147363

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Hexanone	ug/L	100	94.6	95	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	100	91.1	91	70-140	
Acetone	ug/L	100	83.1	83	50-175	
Acetonitrile	ug/L	500	376	75	70-130	
Acrylonitrile	ug/L	250	192	77	70-143	
Allyl chloride	ug/L	50	35.8	72	70-130	
Benzene	ug/L	50	49.7	99	70-130	
Bromochloromethane	ug/L	50	42.4	85	70-130	
Bromodichloromethane	ug/L	50	48.4	97	70-130	
Bromoform	ug/L	50	52.4	105	70-130	
Bromomethane	ug/L	50	45.9	92	54-130	
Carbon disulfide	ug/L	50	40.8	82	70-131	
Carbon tetrachloride	ug/L	50	54.5	109	70-132	
Chlorobenzene	ug/L	50	49.9	100	70-130	
Chloroethane	ug/L	50	38.4	77	64-134	
Chloroform	ug/L	50	45.4	91	70-130	
Chloromethane	ug/L	50	36.2	72	64-130	
Chloroprene	ug/L	50	44.2	88	70-130	
cis-1,2-Dichloroethene	ug/L	50	41.6	83	70-131	
cis-1,3-Dichloropropene	ug/L	50	44.5	89	70-130	
Dibromochloromethane	ug/L	50	49.9	100	70-130	
Dibromomethane	ug/L	50	48.5	97	70-131	
Dichlorodifluoromethane	ug/L	50	44.8	90	56-130	
Ethyl methacrylate	ug/L	50	45.3	91	70-130	
Ethylbenzene	ug/L	50	52.6	105	70-130	
Iodomethane	ug/L	100	80.3	80	49-180	
Isobutanol	ug/L	1000	810	81	70-130	
m&p-Xylene	ug/L	100	108	108	70-130	
Methacrylonitrile	ug/L	500	409	82	70-130	
Methyl methacrylate	ug/L	50	47.8	96	70-130	
Methylene Chloride	ug/L	50	37.2	74	63-130	
Naphthalene	ug/L	50	67.7	135	70-138	
o-Xylene	ug/L	50	51.4	103	70-130	
Propionitrile	ug/L	500	416	83	70-130	
Styrene	ug/L	50	50.7	101	70-130	
Tetrachloroethene	ug/L	50	55.6	111	70-130	
Toluene	ug/L	50	50.7	101	70-130	
trans-1,2-Dichloroethene	ug/L	50	40.6	81	70-130	
trans-1,3-Dichloropropene	ug/L	50	46.8	94	70-132	
trans-1,4-Dichloro-2-butene	ug/L	50	48.9	98	70-141	
Trichloroethene	ug/L	50	50.4	101	70-130	
Trichlorofluoromethane	ug/L	50	44.8	90	62-133	
Vinyl acetate	ug/L	100	75.5	76	66-157	
Vinyl chloride	ug/L	50	40.1	80	69-130	
Xylene (Total)	ug/L	150	159	106	70-130	
1,2-Dichloroethane-d4 (S)	%			100	70-130	
4-Bromofluorobenzene (S)	%			100	70-130	
Toluene-d8 (S)	%			98	70-130	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1147364 1147365

Parameter	Units	92191006003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	50	50	52.1	53.0	104	106	70-166	2	30	
Benzene	ug/L	1.3	50	50	55.5	57.2	108	112	70-148	3	30	
Chlorobenzene	ug/L	1.5	50	50	55.1	56.7	107	110	70-146	3	30	
Toluene	ug/L	ND	50	50	51.8	53.6	103	107	70-155	4	30	
Trichloroethene	ug/L	ND	50	50	56.5	57.9	113	115	69-151	3	30	
1,2-Dichloroethane-d4 (S)	%						96	95	70-130			
4-Bromofluorobenzene (S)	%						99	99	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

QC Batch: OEXT/26235 | Analysis Method: EPA 8081
QC Batch Method: EPA 3510 | Analysis Description: 8081A GCS Pesticides
Associated Lab Samples: 92191140001, 92191140002, 92191140003, 92191140004

METHOD BLANK: 1148793 | Matrix: Water
Associated Lab Samples: 92191140001, 92191140002, 92191140003, 92191140004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
4,4'-DDD	ug/L	ND	0.050	03/08/14 17:03	
4,4'-DDE	ug/L	ND	0.050	03/08/14 17:03	
4,4'-DDT	ug/L	ND	0.050	03/08/14 17:03	
Aldrin	ug/L	ND	0.050	03/08/14 17:03	
alpha-BHC	ug/L	ND	0.050	03/08/14 17:03	
beta-BHC	ug/L	ND	0.050	03/08/14 17:03	
Chlordane (Technical)	ug/L	ND	0.20	03/08/14 17:03	
delta-BHC	ug/L	ND	0.050	03/08/14 17:03	
Dieldrin	ug/L	ND	0.050	03/08/14 17:03	
Endosulfan I	ug/L	ND	0.050	03/08/14 17:03	
Endosulfan II	ug/L	ND	0.050	03/08/14 17:03	
Endosulfan sulfate	ug/L	ND	0.050	03/08/14 17:03	
Endrin	ug/L	ND	0.050	03/08/14 17:03	
Endrin aldehyde	ug/L	ND	0.050	03/08/14 17:03	
Endrin ketone	ug/L	ND	0.050	03/08/14 17:03	
gamma-BHC (Lindane)	ug/L	ND	0.050	03/08/14 17:03	
Heptachlor	ug/L	ND	0.050	03/08/14 17:03	
Heptachlor epoxide	ug/L	ND	0.050	03/08/14 17:03	
Hexachlorobenzene	ug/L	ND	0.050	03/08/14 17:03	
Methoxychlor	ug/L	ND	0.15	03/08/14 17:03	
Mirex	ug/L	ND	0.15	03/08/14 17:03	
Toxaphene	ug/L	ND	0.20	03/08/14 17:03	
Decachlorobiphenyl (S)	%	76	20-130	03/08/14 17:03	
Tetrachloro-m-xylene (S)	%	74	20-130	03/08/14 17:03	

LABORATORY CONTROL SAMPLE: 1148794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4,4'-DDD	ug/L	.25	0.26	104	20-150	
4,4'-DDE	ug/L	.25	0.25	103	20-150	
4,4'-DDT	ug/L	.25	0.27	108	20-150	
Aldrin	ug/L	.25	0.20	81	20-150	
alpha-BHC	ug/L	.25	0.23	94	20-150	
beta-BHC	ug/L	.25	0.24	99	20-150	
delta-BHC	ug/L	.25	0.25	100	20-150	
Dieldrin	ug/L	.25	0.24	97	20-150	
Endosulfan I	ug/L	.25	0.25	102	20-150	
Endosulfan II	ug/L	.25	0.25	101	20-150	
Endosulfan sulfate	ug/L	.25	0.25	103	20-150	
Endrin	ug/L	.25	0.29	117	20-150	
Endrin aldehyde	ug/L	.25	0.22	90	20-150	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

LABORATORY CONTROL SAMPLE: 1148794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Endrin ketone	ug/L	.25	0.26	105	20-150	
gamma-BHC (Lindane)	ug/L	.25	0.23	95	20-150	
Heptachlor	ug/L	.25	0.20	82	20-150	
Heptachlor epoxide	ug/L	.25	0.25	99	20-150	
Hexachlorobenzene	ug/L	.25	0.18	74	20-150	
Methoxychlor	ug/L	.74	0.76	103	20-150	
Mirex	ug/L	.74	0.75	101	20-150	
Decachlorobiphenyl (S)	%			90	20-130	
Tetrachloro-m-xylene (S)	%			85	20-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1148795 1148796

Parameter	Units	92191476007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4,4'-DDD	ug/L	ND	.5	.5	0.27	0.26	54	52	20-150	3	30	
4,4'-DDE	ug/L	ND	.5	.5	0.25	0.25	51	50	20-150	3	30	
4,4'-DDT	ug/L	ND	.5	.5	0.26	0.26	53	52	20-150	4	30	
Aldrin	ug/L	ND	.5	.5	0.22	0.21	45	42	20-150	5	30	
alpha-BHC	ug/L	ND	.5	.5	0.23	0.22	47	45	20-150	5	30	
beta-BHC	ug/L	ND	.5	.5	0.24	0.24	48	49	20-150	2	30	
delta-BHC	ug/L	ND	.5	.5	0.25	0.24	50	49	20-150	3	30	
Dieldrin	ug/L	ND	.5	.5	0.24	0.23	49	46	20-150	8	30	
Endosulfan I	ug/L	ND	.5	.5	0.26	0.25	54	51	20-150	5	30	
Endosulfan II	ug/L	ND	.5	.5	0.26	0.25	53	51	20-150	3	30	
Endosulfan sulfate	ug/L	ND	.5	.5	0.27	0.26	54	53	20-150	3	30	
Endrin	ug/L	ND	.5	.5	0.30	0.28	60	57	20-150	5	30	
Endrin aldehyde	ug/L	ND	.5	.5	0.23	0.23	47	46	20-150	4	30	
Endrin ketone	ug/L	ND	.5	.5	0.28	0.27	57	55	20-150	3	30	
gamma-BHC (Lindane)	ug/L	ND	.5	.5	0.24	0.23	48	46	20-150	5	30	
Heptachlor	ug/L	ND	.5	.5	0.23	0.22	46	44	20-150	6	30	
Heptachlor epoxide	ug/L	ND	.5	.5	0.30	0.25	60	51	20-150	16	30	
Hexachlorobenzene	ug/L	ND	.5	.5	0.22	0.21	44	42	20-150	4	30	
Methoxychlor	ug/L	ND	1.5	1.5	0.83	0.81	56	54	20-150	3	30	
Mirex	ug/L	ND	1.5	1.5	0.78	0.76	53	51	20-150	3	30	
Decachlorobiphenyl (S)	%						83	67	20-130			
Tetrachloro-m-xylene (S)	%						78	60	20-130			

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

QC Batch: WETA/18294 | Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E | Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92191140001

METHOD BLANK: 1153435 | Matrix: Water
Associated Lab Samples: 92191140001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	03/10/14 13:18	

LABORATORY CONTROL SAMPLE: 1153436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.10	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1153439 1153440

Parameter	Units	92191102002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.12	0.11	118	111	75-125	5	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1153463 1153464

Parameter	Units	92191394001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	5.5J ug/L	.1	.1	0.11	0.11	106	108	75-125	2	20	

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QUALITY CONTROL DATA

Project: FRANCIS FARM LF
Pace Project No.: 92191140

QC Batch: WETA/18295 | Analysis Method: SM 4500-CN-E
QC Batch Method: SM 4500-CN-E | Analysis Description: 4500CNE Cyanide, Total
Associated Lab Samples: 92191140002, 92191140003, 92191140004

METHOD BLANK: 1153441 | Matrix: Water
Associated Lab Samples: 92191140002, 92191140003, 92191140004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	ND	0.0050	03/10/14 13:36	

LABORATORY CONTROL SAMPLE: 1153442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	.1	0.11	113	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1153443 1153444

Parameter	Units	92191140002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	0.0084	.1	.1	0.11	0.099	99	91	75-125	7	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1153445 1153446

Parameter	Units	92191476008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	.1	.1	0.13	0.12	124	115	75-125	7	20	

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QUALIFIERS

Project: FRANCIS FARM LF
Pace Project No.: 92191140

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

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

TNI - The NELAC Institute.

LABORATORIES

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FRANCIS FARM LF
Pace Project No.: 92191140

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92191140001	**MW-2A**		FLD/		
92191140002	**MW-3A**		FLD/		
92191140003	**MW-5**		FLD/		
92191140004	**MW-12**		FLD/		
92191140001	**MW-2A**	EPA 3510	OEXT/26235	EPA 8081	GCSV/16879
92191140002	**MW-3A**	EPA 3510	OEXT/26235	EPA 8081	GCSV/16879
92191140003	**MW-5**	EPA 3510	OEXT/26235	EPA 8081	GCSV/16879
92191140004	**MW-12**	EPA 3510	OEXT/26235	EPA 8081	GCSV/16879
92191140001	**MW-2A**	EPA 3010	MPRP/15331	EPA 6010	ICP/13910
92191140002	**MW-3A**	EPA 3010	MPRP/15331	EPA 6010	ICP/13910
92191140003	**MW-5**	EPA 3010	MPRP/15331	EPA 6010	ICP/13910
92191140004	**MW-12**	EPA 3010	MPRP/15331	EPA 6010	ICP/13910
92191140006	**EQUIP BLK**	EPA 3010	MPRP/15331	EPA 6010	ICP/13910
92191140001	**MW-2A**	EPA 7470	MERP/6244	EPA 7470	MERC/6022
92191140002	**MW-3A**	EPA 7470	MERP/6244	EPA 7470	MERC/6022
92191140003	**MW-5**	EPA 7470	MERP/6244	EPA 7470	MERC/6022
92191140004	**MW-12**	EPA 7470	MERP/6244	EPA 7470	MERC/6022
92191140006	**EQUIP BLK**	EPA 7470	MERP/6244	EPA 7470	MERC/6022
92191140001	**MW-2A**	EPA 8260	MSV/25928		
92191140002	**MW-3A**	EPA 8260	MSV/25928		
92191140003	**MW-5**	EPA 8260	MSV/25928		
92191140004	**MW-12**	EPA 8260	MSV/25928		
92191140005	**TRIP BLANK**	EPA 8260	MSV/25928		
92191140006	**EQUIP BLK**	EPA 8260	MSV/25928		
92191140001	**MW-2A**	SM 4500-CN-E	WETA/18294		
92191140002	**MW-3A**	SM 4500-CN-E	WETA/18295		
92191140003	**MW-5**	SM 4500-CN-E	WETA/18295		
92191140004	**MW-12**	SM 4500-CN-E	WETA/18295		

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Pace Analytical www.pacelabs.com	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: June 4, 2013 Page 1 of 2
	Document No.: F-ASV-CS-003-rev.11	Issuing Authorities: Pace Asheville Quality Office

Client Name: Haywood BLE

Where Received: ☐ Huntersville ☑ Asheville ☐ Eden ☐ Raleigh

Courier (Circle): Fed Ex UPS USPS Client Commercial (Pace) Other_____

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

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

Circle Thermometer Used: (IR Gun#3 -130265963) IR Gun #2- 80344039 Type of Ice: (Wet) Blue None ☑ Samples on ice, cooling process has begun

Temp Correction Factor: Add / Subtract 0.0 C

Corrected Cooler Temp.: 5.5 C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Date and Initials of person examining contents: RDB 2/26/14

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review:	TMD	Date:	2-26-14
SRF Review:	TMD	Date:	2-26-14

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

Place label here

OR

Handwrite project number (if no label available)

92191140

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 6 of 6

1747808

Section A Required Client Information:

Company: HAYWOOD CO BLE
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: BLE, HAYWOOD CO
Copy To:
Purchase Order No.:
Project Name: FRANCIS FARM LF
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #: 1915-4

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

Site Location STATE: NC

Requested Analysis Filtered (Y/N)

Section D Required Client Information

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

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	Fe-D	Sulfide, H_2S	VOC	Metals	TSS	CN	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 92P1140
1	MW-2A					2-26-14	1045		7	2		1	3	1					X	X	X	X	X	X		001
2	MW-3A					2-26	1115		7	2		1	3	1					X	X	X	X	X	X		002
3	MW-5					2-26	1155		7	2		1	3	1					X	X	X	X	X	X		003
4	MW-12					2-26	1225		7	2		1	3	1					X	X	X	X	X	X		004
5																										
6	TW BLK					2-20-14			2				2								X					005
7	EQUIP BLK					2-20			3			1	2								X	X				006
8																										
9																										
10																										
11																										
12																										

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		2-26-14	1245	Mark Swann Pasi	2-26-14	1245				
	Mark Swann Pasi	2-26-14	1330	Denise R	2-26-14	13:30	5.5	Y	N	Y

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

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: MARK C. SWANN
SIGNATURE of SAMPLER: Mark Swann Pasi DATE Signed (MM/DD/YY): 2-26-14

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

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