

241239460

Brents# 02-41-097173

File# 241239460

November 30, 2012

Project Reference #13097

Ms. Jenna Soyer
Wisconsin Dept. of Natural Resources-RR/5
P.O. Box 7921
Madison, WI 53707

Mr. Andrew Boettcher
Wisconsin Dept. of Natural Resources
2300 Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212



**Subject: Phase II Environmental Assessment Activities
Former D-F Inc.
2517 E. Norwich Avenue, St. Francis, Wisconsin**

Dear Ms. Soyer and Mr. Boettcher:

Sigma Environmental Services, Inc. (Sigma) has prepared this letter report to document and discuss the Phase II Environmental Assessment activities completed at the former D-F Inc. and adjacent MidAmerica Steel Drum Company, Inc., (formerly Kitzinger Cooperage Corporation) facility located at the southeast corner of Pennsylvania Avenue and Norwich Avenue, St. Francis, Wisconsin. The Phase II activities presented below and completed to date were conducted as a part of the Wisconsin Department of Natural Resources (WDNR) US EPA Community Wide Brownfields Hazardous Assessment grant.

BACKGROUND

Sigma completed a Phase I Environmental Site Assessment (ESA) at the D-F Inc. property in April 2012 to determine the potential environmental concerns present at the site considering the City of St. Francis's interest in returning this blighted property to productive use. The Phase I ESA revealed evidence of the following recognized environmental conditions (RECs) in connection with the site:

- *The subject property was formerly utilized by Dittmore Freimuth/D.F. Corporation, a manufacturer of electronic and metal components for defense industry contracts from the late 1940's through 1996. While in use by D.F. Corporation, cutting oils, cooling fluids, solvents, degreasers and paint containing trichloroethene (TCE), trichloroethane (TCA), methylene chloride, xylene, toluene and methyl ethyl ketone (MET) were utilized and stored at the subject property in addition to a 200-gallon above ground storage tank containing TCE. Site investigation activities conducted to date and associated with the ERP case (02-41-097173) indicated that chlorinated and petroleum-related soil and groundwater impacts are present at the subject property. However, based on the location of the most contaminated area (southwest corner of the subject property) it appears that the chlorinated impacts may potentially be associated with an off-site source. As such, an off-site exemption was requested from the WDNR in 2003. The WDNR could not grant the off-site exemption due to insufficient information and requested that groundwater samples be collected from the adjacent Kitzinger drum storage site. Offsite samples*

were not collected and the ERP case remains "open" at this time. Given the status of the ERP case and the identified chlorinated and petroleum contamination, it appears that the subject property has been impacted by the historical use of the subject property and/or by the migration of off-site impacts.

- *Fill material consisting of gravel, sand, silt, and clay with non-exempt material including metallic slag, foundry sand, cinders, paint chips, and/or sludge was encountered during the 1996 site investigation activities conducted by Environmental Resource Management (ERM) in various areas of the subject property (primarily the western parking lot) from ground surface to depths ranging from approximately one foot to ten feet below ground surface (bgs). Given the non-exempt fill material observed at the subject property, the historic filling activities have impacted the subject property.*

The following off-site REC was also identified during the course of the Phase I ESA:

- *Historic and current property uses adjoining the subject property include used drum storage by Kitzinger Cooperage Corporation to the south and an auto salvage yard operated by St. Francis Auto Wreckers to the west/southwest across South Pennsylvania Avenue. Given the potential for a release associated with the current and historic property uses and the documented on-site impacts which appear to be migrating from an off-site source (discussed above), the Kitzinger drum storage and St. Francis Auto Wreckers property use may have impacted the subject property.*
- *The St. Francis Auto Wreckers property located west/southwest of the subject property across South Pennsylvania Avenue was identified on the ERP database. The ERP listing pertains to documented metal, PCBs, and chlorinated solvent contamination to the soil and groundwater. The ERP listing remains open at this time. Given the status and the close proximity, the St. Francis Auto Wreckers property has the potential to impact the subject property.*

Based on the results of the Phase I ESA, Sigma prepared a Phase II Sampling and Analysis Plan (SAP) to further assess the identified RECs. In July 2012 Sigma was granted approval from the WDNR to proceed with the proposed Phase II investigation activities under the WDNR EPA Hazardous Assessment grant and on August 10, 2012 MidAmerica Steel Drum Company, Inc. (MidAmerica) granted access to this adjacent property. The Phase II investigation activities, as proposed in the June 13, 2012 SAP were initiated at the D-F Inc and MidAmerica properties in August 2012 and are described below.

SITE INVESTIGATION ACTIVITIES

The approved scope of work included: existing well location, evaluation and development, soil boring completion and soil sampling within the former DF-Inc. facility and soil boring and soil sampling and groundwater monitoring well and piezometer installation and groundwater sampling on the adjacent MidAmerica property.

Between the dates of September 17, 2012 and October 2, 2012, Sigma completed two soil borings within the footprint of the former D-F Inc. manufacturing building, and two soil borings, two ch. NR 141 compliant groundwater monitoring wells and one piezometer at the northwest corner of the adjoining MidAmerica property. On October 8, 2012, the

existing D-F Inc. groundwater monitoring wells were located and their condition was evaluated and the pre-existing well network, two new wells and the installed piezometer were developed to ensure a good hydraulic connection within the saturated materials. The well development forms are included in **Appendix A**. Groundwater sampling included the pre-existing wells and the new wells and piezometer. The groundwater samples collected on October 15, 2012 were submitted for volatile organic compound (VOC) analysis.

Details of the investigation activities are presented as follows:

Soil Boring Completion

The specific soil boring locations are detailed below and presented on **Figure 1**:

- Geoprobe soil borings SGP-1 and SGP-2, and hollow stem auger soil borings completed as monitoring wells SMW-3 and SMW-4 and piezometer SPM-4 were positioned on the adjacent MidAmerica property just south of D-F-Inc. monitoring well MW-2;
- Geoprobe soil borings SGP-5 and SGP-6 were completed within the limits of the former D-F Inc. manufacturing facility.

The Geoprobe soil borings were advanced to 15 to 16 bgs. The groundwater monitoring well borings were advanced to a depth of 20 feet bgs and the piezometer boring was advanced to a depth of 35 feet bgs.

During soil boring advancement, soil samples were collected on a continuous basis and described on the basis of color, texture, grain size, and plasticity, and classified in accordance with the Unified Soil Classification System (USCS). Soil samples were screened in the field using a photoionization detector (PID) calibrated for direct response to isobutylene in air. The soil descriptions and field screening results were recorded on the soil boring logs provided in **Appendix B**.

Soil samples (two soil samples from each soil boring) were containerized and submitted for laboratory analysis. The soil samples collected for laboratory analysis were submitted for VOC analysis by EPA Method 8260.

Following the Geoprobe soil boring advancement and associated soil sample collection, soil borings SGP-1, SGP-2, SGP-5 and GP-6 were abandoned in accordance with Wisconsin Administrative Code Chapter NR 141. The borehole abandonment forms are included as **Appendix C**.

Soil boring advancement, soil sample collection, and borehole abandonment activities were conducted in accordance with the October 2010 EPA approved *Quality Assurance Project Plan* (QAPP) and subsequent updates.

Groundwater Monitoring Well and Piezometer Installations

Two hollow stem auger monitoring wells and one double-cased piezometer were advanced and completed at the MidAmerica property on September 17 and 19, 2012. The monitoring wells were completed to assess the potential groundwater impacts beneath the northwest corner of the MidAmerica property, just north of D-F Inc. monitoring well MW-2.

The monitoring wells were screened across the interpreted water table interval (8 to 18 feet bgs). The monitoring well construction form is included in **Appendix C**.

The 2-inch diameter piezometer was constructed within a 6-inch diameter grouted steel casing extending from the ground surface to a depth of 22 feet bgs. The 5-foot piezometer screen was set at a depth of 30 to 35 feet bgs.

The newly installed monitoring wells were developed on October 8, 2012 and sampled on October 15, 2012 in accordance with the QAPP. The collected groundwater samples were submitted for VOC analysis. The monitoring well development forms are included in **Appendix C**. Groundwater generated during the well development and sampling activities remains on-site pending proper disposal.

Existing Monitoring Well Network Evaluation and Development

The D-F Inc. site monitoring well network was evaluated on October 15, 2012 to: 1) locate existing monitoring wells; 2) evaluate the viability and integrity of the existing wells; and 3) develop the viable wells in accordance with ch. NR 141 prior to completing groundwater sampling. The monitoring well development forms are included in **Appendix A**.

Survey

The completed soil borings, newly installed monitoring wells, existing (and located) monitoring wells and the piezometer were surveyed to the State plane coordinate system and mean sea level per the QAPP.

SITE INVESTIGATION RESULTS

The following summarizes the results of the site investigation activities.

Geology

The soil profile beneath the former manufacturing building at the D-F Inc. site consists of sand fill to a depth of approximately 3 to 4.5 feet bgs below which are interbedded units of silt, silty clay and fine to coarse sand units ranging in thickness from 1 to 3 feet.

The soil profile on the MidAmerica property consists of 6 to 7 feet of non-native fill materials including wood (some charred) debris, red and black sand, white and red gravel mixed with silt. Interbedded units of silt and fine sand units and a coarse sandy gravel at approximately 22 to 34 feet bgs were present below the fill material.

The soil beneath the former D-F Inc. building did not show obvious signs of impacts, either through visual (staining), olfactory or PID screening. The soil samples recovered at depths between 2 and 35 feet bgs from the soil borings completed on the MidAmerica property were noted to have elevated PID readings, a strong odor and at some locations a visual sheen. The soil boring descriptions are presented on the soil boring logs included in **Appendix B**.

Hydrogeology

Groundwater is present at the D-F Inc. and adjacent MidAmerica property at elevations ranging from 646.60 to 663.44 mean sea level (msl). The groundwater elevations are presented in **Table 1**. The groundwater flow direction based on the October 15, 2012

measuring event is generally to the north with an easterly component in the northeast area of the D-F Inc. site. The groundwater contours are presented in **Figure 2**.

Based on the groundwater level measurements the average horizontal gradient is calculated at 0.035 ft/ft across the site with a vertical downward gradient at monitoring well SMW-4 and piezometer SPW-4 of 0.8 ft/ft.

Soil Quality Results

Soil quality results generated during the site investigation indicated the presence of select low level impacts within the soil samples collected beneath the former D-F Inc. manufacturing building while much higher concentrations of both petroleum and chlorinated-related VOC impacts were present within the soil samples collected from the adjacent MidAmerica property. The following is a summary of the laboratory results completed to date. The soil quality results are presented on **Table 1**. The soil laboratory reports dated September 29, 2012 and October 12, 2012 are included as **Appendix D**.

D-F Inc Property Soil Samples – Detectable concentrations of only petroleum-related VOCs were reported within the soil samples collected from SGP-5 and SGP-6. The detected constituents, with the exception of ethylbenzene, toluene and total xylene at SGP-5 were present at concentrations flagged by the laboratory as present at concentrations between the Limit of Detection and the Limit of Quantitation. None of the constituents detected within the soil samples were present at concentrations greater than the published ch. NR 720 generic residual contaminant levels (RCLs).

MidAmerica Property Soil Samples – Elevated concentrations of both petroleum and chlorinated-related VOCs were reported within the soil samples collected from the adjacent MidAmerica property. The soil samples collected at the observed saturated/unsaturated interface were observed to contain obvious impacts based on odor and visible sheen. The analytical results indicated the presence of several constituents at concentrations greater than the published ch. NR 720 generic residual contaminant levels (RCLs).

Specifically, concentrations of 1,1-dichloroethene (1,1-DCE) ranging from 3,300 ug/kg to 264,000 ug/kg, ethylbenzene ranging from 17,100 ug/kg to 106,000 ug/kg, tetrachloroethene (PCE) ranging from 2,500 ug/kg to 390,000 ug/kg, toluene ranging from 11,700 ug/kg to 126,000 ug/kg, 1,1,1-trichloroethane (1,1,1-TCA) ranging from 2,150 ug/kg to 305,000 ug/kg, 1,2,4-trimethylbenzene (1,2,4-TMB) ranging from 49,000 ug/kg to 112,000 ug/kg, 1,3,5-trimethylbenzene (1,3,5-TMB) ranging from 7,200 to 34,000 ug/kg and total xylene ranging from 80,200 ug/kg to 269,000 ug/kg were detected within each of the soil samples collected from the MidAmerica property. Additional constituents including: 1,2-dichloroethane (1,2-DCA) at 2,220 ug/kg (at SMW-3), 1,1-dichloroethene (1,1-DCE) at 4,400 ug/kg and 11,900 ug/kg (SGP-2 and SMW-3, respectively), 1,1-dichloroethane (1,1-DCA) 2,900 ug/kg (SMW-3), trichloroethene (TCE) at 3,300 ug/kg, 330,000 ug/kg and 3,400 ug/kg (SGP-1, SMW-3 and SMW-4, respectively), and vinyl chloride (VC) at 2,590 ug/kg and 11,300 ug/kg (SMW-3 and SGP-2, respectively) were detected within select soil samples at concentrations greater than their published ch. NR 720 generic RCLs.

Existing Monitoring Well Network Assessment and Development

The existing D-F Inc. groundwater monitoring well network established in the early 2000's and last sampled in 2003 was assessed to determine their location and viability/integrity for groundwater sampling. On October 8, 2012, monitoring wells MW-2, MW-5, MW-6, MW-7, MW-14 and MW-15 were located and determined to be viable for sampling activities. Monitoring wells MW-1, MW-12 and MW-13, located across S. Pennsylvania Avenue as indicated on previous site figures were not accessible due to a locked fence. The located monitoring wells were developed in accordance with ch. NR 141. The monitoring well development forms are included in **Appendix A**.

Groundwater Quality Results

One round of groundwater samples were collected from the viable monitoring well network on October 15, 2012. Review of the sampling and analytical results indicates that free floating product was present within groundwater monitoring wells MW-7 (0.04 feet thickness) and MW-15 (0.07 feet thickness) and that petroleum and chlorinated-related VOCs were detected within the groundwater samples collected from select on and off-site monitoring wells and piezometer at concentrations greater than ch. NR 140 enforcement standards (ESs).

Petroleum VOCs – In addition to the free phase product at monitoring wells MW-7 and MW-15, groundwater with petroleum related impacts greater than ch. NR 140 ESs and/or preventative action limits (PALs) were detected at each of the monitoring wells except MW-2. More specifically, detected concentrations of benzene ranged from 0.91 ug/l (MW-3) to 5.8 ug/l (SMW-4), ethylbenzene ranged from 199 ug/l (SMW-3) to 950 ug/l (SMW-4), naphthalene ranged from 135 ug/l (SMW-4), toluene ranged from 320 ug/l (SMW-4) 19,000 ug/l (SPM-4), total trimethylbenzenes ranged from 333 ug/l (SMW-4) to 440 ug/l (SMW-3), and total xylenes ranged from 1,380 ug/l (SMW-4) to 8,800 ug/l (SPM-4).

Chlorinated VOCs – Concentrations of select chlorinated VOCs greater than their respective ch. NR 140 ESs were reported within each of the groundwater samples collected from the site. Specifically, detected concentrations of chloroethane at 400 ug/l (MW-6), 1,2-DCA ranged from 0.55 ug/l (MW-3) to 320 ug/l (SMW-3), 1,1-DCA ranged from 116 ug/l (SMW-4) to 12,800 ug/l (SPM-4), cis-1,2-DCE ranged from 21.6 ug/l (MW-8) to 283,000 ug/l (SPM-4), PCE 820 ug/l (SMW-3), 1,1,1-trichloroethane (1,1,1-TCA) ranged from 77 ug/l (SMW-4) to 96,000 ug/l (SPM-4), TCE ranged from 3 ug/l (MW-8) to 26,000 ug/l (SPM-4) and vinyl chloride ranged from 1.27 ug/l (MW-1) to 12,600 ug/l (SPM-4).

The groundwater quality results are presented on **Table 3**. The groundwater laboratory report is included as **Appendix E**.

CONCLUSIONS

Based on the data collected during the recent Phase II site investigation activities conducted at the site, the following conclusions are presented:

- The soil profile at the former D-F Inc. site consists of interbedded units of silt, silty clay and fine to coarse seams.

- The soil profile at the adjacent MidAmerica property consists of approximately 6 feet of fill consisting of wood debris (some charred), silt, and varying amounts of white, red and black sands and gravels. Interbedded units of silty and fine to coarse sand and gravel units were present below the fill.
- Shallow groundwater is present within the site groundwater monitoring wells at elevations ranging from 646.60 to 663.44 msl. The groundwater flow direction is generally to the north with an easterly component within the northeast portion of the D-F Inc. site. The calculated average horizontal gradient is 0.035 ft/ft.
- Low level concentrations (less than State standards) of select petroleum VOCs were detected within soil samples collected from soil borings completed within the footprint of the former D-F Inc. manufacturing building.
- More elevated concentrations of petroleum and chlorinated-related VOCs were detected within the soil samples collected from the adjacent MidAmerica property. Several of the detected concentrations were greater than State Standards.
- Free phase petroleum-related product was observed and measured within monitoring wells MW-7 and MW-15.
- Concentrations of both petroleum and/or chlorinated VOCs were detected within each of the project groundwater monitoring wells and piezometer at concentrations greater than their respective ch. NR 140 ESs.
- Based on soil and groundwater quality laboratory data collected from both the D-F Inc and MidAmerica properties, similar constituents of concern were detected on both properties while the highest concentrations were generally detected on the MidAmerica property.

RECOMMENDATIONS

Sigma's review of soil and groundwater quality data identified petroleum and chlorinated related VOC compounds in the soil and groundwater collected from the former D-F Inc. site and adjacent MidAmerica property. Additional soil assessment activities are recommended to further evaluate the degree, extent and potential source of the identified impacts.

If you have any questions or need additional assistance, please call us at (414) 643-4200.

Sincerely,

THE SIGMA GROUP



Kristin Kurzka, P.E.
Senior Engineer

Enclosure

TABLES

TABLE 1
SUMMARY OF STATIC GROUNDWATER ELEVATIONS
Former D-F Incorporated Property
St. Francis, Wisconsin
Project Reference # 13097

Monitoring Well Identification	Date	Ground Surface Elevation (feet MSL)	Top of Casing Elevation (feet MSL)	Depth to Groundwater (feet from TOC)	Depth to Groundwater (feet bgs)	Groundwater Elevation (feet MSL)	Well Screen Interval (feet bgs) (feet MSL)
SMW-3	10/15/12	668.98	668.32	4.88	5.54	663.44	8 - 18 660.98 - 650.98
SMW-4	10/15/12	667.78	667.24	6.75	7.29	660.49	8 - 18 659.78 - 649.78
SPM-4	10/15/12	667.72	667.60	15.70	15.83	651.90	25 - 35 642.72 - 632.72
MW-1	10/15/12	657.10	659.23	5.85	3.73	653.38	
MW-2	10/15/12	666.17	665.55	6.50	7.12	659.05	
MW-3	10/15/12	659.30	658.87	7.00	7.43	651.87	
MW-4	10/15/12	658.47	660.75	6.85	4.57	653.90	
MW-5	10/15/12	662.64	662.16	9.31	9.79	652.85	
MW-6	10/15/12	663.83	663.61	10.50	10.72	653.11	
MW-7	10/15/12	659.10	658.97	3.92 (free product at 3.88) 0.04	4.05	655.05	
MW-8	10/15/12	659.76	663.40	5.93	2.30	657.47	
MW-9	10/15/12	656.94	659.17	12.57	10.34	646.60	
MW-11	10/15/12			well not found			
MW-12	10/15/12			well not found			
MW-13	10/15/12			well not found			
MW-14	10/15/12	667.23	666.76	14.76	15.23	652.00	
MW-15	10/15/12	665.60	665.00	11.70 (free product at 11.63) 0.07	12.30	653.30	

Notes:
feet MSL = feet above Mean Sea Level
feet from TOC = feet below top of casing
feet bgs = feet below ground surface

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
VOLATILE ORGANIC COMPOUNDS
Former D-F Incorporated Property
St. Francis, Wisconsin
Project Reference # 13097

Monitoring Well Identification:			SMW-3	SMW-4	SPM-4	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-11	MW-12	MW-13	MW-14	MW-15
Parameter	Unit	NR 140		Collection Date															
		ES	PAL	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12
Benzene	µg/L	5.0	0.5	<250	(1,2) 5.8^J	<2500	<0.5	<1000	(2) 0.91^J	(2) 2.22	(2) 1.96	(1,2) 5.4^J		<2.5	<0.5				<50
Bromobenzene	µg/L	NS	NS	<370	<7.4	<3700	<0.74	<1480	<0.74	<0.74	<0.74	<7.4		<3.7	<0.74				<74
Bromodichloromethane	µg/L	0.6	0.06	<340	<6.8	<3400	<0.68	<1360	<0.68	<0.68	<0.68	<6.8		<3.4	<0.68				<68
Bromoform	µg/L	4.4	0.44	<215	<4.3	<2150	<0.43	<860	<0.43	<0.43	<0.43	<4.3		<2.15	<0.43				<43
tert-Butylbenzene	µg/L	NS	NS	<355	<7.1	<3550	<0.71	<1420	1.48 ^J	<0.71	<0.71	<7.1		<3.55	<0.71				<71
sec-Butylbenzene	µg/L	NS	NS	<500	<10	<5000	<1	<2000	<1	<1	<1	<10		16.9	<1				<100
n-Butylbenzene	µg/L	NS	NS	<450	17.9 ^J	<4500	<0.9	<1800	<0.9	<0.9	<0.9	<9		5.7 ^J	<0.9				<90
Carbon Tetrachloride	µg/L	5.0	0.5	<235	<4.7	<2350	<0.47	<940	<0.47	<0.47	<0.47	<4.7		<2.35	<0.47				<47
Chlorobenzene	µg/L	100	10	<255	<5.1	<2550	<0.51	<1020	<0.51	2.8	<0.51	<5.1		<2.35	<0.51				<51
Chloroethane	µg/L	400	80	<700	48	<7000	<1.4	<2800	2.93 ^J	27	<1.4	(1,2) 400		9.8 ^J	<1.4				<140
Chloroform	µg/L	6.0	0.6	<245	<4.9	<2450	<0.49	<980	<0.49	<0.49	<0.49	<4.9		<2.45	<0.49				<49
Chloromethane	µg/L	30	3.0	<950	<19	<9500	<1.9	<3800	<1.9	<1.9	<1.9	<19		<9.5	<1.9				<190
2-Chlorotoluene	µg/L	NS	NS	<350	<7	<3500	<0.7	<1400	<0.7	<0.7	<0.7	<7		<3.5	<0.7				<70
4-Chlorotoluene	µg/L	NS	NS	<220	<4.4	<2200	<0.44	<880	<0.44	<0.44	<0.44	<4.4		<2.2	<0.44				<44
1,2-Dibromo-3-Chloropropane	µg/L	0.2	0.02	<1400	<28	<14000	<2.8	<5600	<2.8	<2.8	<2.8	<28		<14	<2.8				<280
Dibromochloromethane	µg/L	60	6.0	<275	<5.5	<2750	<0.55	<1100	<0.55	<0.55	<0.55	<5.5		<2.75	<0.55				<55
1,4-Dichlorobenzene	µg/L	75	15	<490	<9.8	<4900	<0.98	<1960	<0.98	<0.98	<0.98	<9.8		<4.9	<0.98				<98
1,3-Dichlorobenzene	µg/L	600	120	<435	<8.7	<4350	<0.87	<1740	<0.87	<0.87	<0.87	<8.7		<4.35	<0.87				<87
1,2-Dichlorobenzene	µg/L	600	60	<380	<7.6	<3800	<0.76	<1520	<0.76	<0.76	<0.76	<7.6		<3.8	<0.76				<76
Dichlorodifluoromethane	µg/L	1,000	200	<900	<18	<9000	<1.8	<3600	<1.8	<1.8	<1.8	<18		<9	<1.8				<180
1,2-Dichloroethane	µg/L	5.0	0.5	(1,2) 320^J	(1,2) 30.1	<2500	(1,2) 9.3	<1000	(2) 0.55^J	(2) 2.31	(2) 0.92^J	<5		<2.5	<0.5				<50
1,1-Dichloroethane	µg/L	850	85	(1,2) 1840	(2) 116	(1,2) 12800^J	<0.98	(1,2) 4500^J	2.59 ^J	14.1	35	<9.8		67	<0.98				<98
1,1-Dichloroethene	µg/L	7.0	0.7	<300	<6	<3000	<0.6	<1200	<0.6	<0.6	<0.6	<6		<3	<0.6				<60
cis-1,2-Dichloroethene	µg/L	70	7.0	(1,2) 31100	(1,2) 640	(1,2) 283000	<0.74	(1,2) 120000	6.4	1.75 ^J	(2) 30.7	<7.4		(2) 21.6	<0.74				<74
trans-1,2-Dichloroethene	µg/L	100	20	<395	16.6 ^J	<3950	<0.79	<1580	<0.79	<0.79	<0.79	<7.9		<3.95	<0.79				<79
1,2-Dichloropropane	µg/L	5.0	0.5	<200	<4	<2000	<0.4	<800	<0.4	<0.4	<0.4	<4		<2	<0.4				<40
2,2-Dichloropropane	µg/L	NS	NS	<950	<19	<9500	<1.9	<3800	<1.9	<1.9	<1.9	<19		<9.5	<1.9				<190
1,3-Dichloropropane	µg/L	NS	NS	<355	<7.1	<3550	<0.71	<1420	<0.71	<0.71	<0.71	<7.1		<3.55	<0.71				<71
Di-isopropyl ether	µg/L	NS	NS	<345	<6.9	<3450	<0.69	<1380	<0.69	<0.69	<0.69	<6.9		<3.45	<0.69				<69
EDB (1,2-Dibromoethane)	µg/L	0.05	0.005	<315	<6.3	<3150	<0.63	<1260	<0.63	<0.63	<0.63	<6.3		<3.15	<0.63				<63
Ethylbenzene	µg/L	700	140	(1,2) 950^J	(2) 199	<3900	<0.78	<1560	<0.78	<0.78	<0.78	<7.8		<3.9	<0.78				<78
Hexachlorobutadiene	µg/L	NS	NS	<1100	<22	<11000	<2.2	<4400	<2.2	<2.2	<2.2	<22		<11	<2.2				<220
Isopropylbenzene	µg/L	NS	NS	<460	15.2 ^J	<4600	<0.92	<1840	1.44 ^J	0.95 ^J	<0.92	<9.2		11.8 ^J	<0.92				<92
p-Isopropyltoluene	µg/L	NS	NS	<460	12.8 ^J	<4600	<0.92	<1840	<0.92	<0.92	<0.92	<9.2		<4.6	<0.92				<92
Methylene Chloride	µg/L	5.0	0.5	<550	<11	<5500	<1.1	<2200	<1.1	<1.1	<1.1	<11		<5.5	<1.1				<110
Methyl Tert Butyl Ether (MTBE)	µg/L	60	12	<400	<8	<4000	<0.8	<1600	<0.8	<0.8	<0.8	<8		<4	<0.8				<80
Naphthalene	µg/L	100	10	<1050	(1,2) 135	<10500	<2.1	<4200	<2.1	<2.1	<2.1	<21		<10.5	<2.1				<210
n-Propylbenzene	µg/L	NS	NS	<295	22.7	<2950	<0.59	<1180	<0.59	<0.59	<0.59	<5.9		9.4 ^J	<0.59				<59
1,1,1,2-Tetrachloroethane	µg/L	0.2	0.02	<265	<5.3	<2650	<0.53	<1060	<0.53	<0.53	<0.53	<5.3		<2.65	<0.53				<53
1,1,1,2-Tetrachloroethane	µg/L	70	7.0	<500	<10	<5000	<1	<2000	<1	<1	<1	<10		<5	<1				<100
Tetrachloroethene	µg/L	5.0	0.5	(1,2) 820	<4.4	<2200	<0.44	<880	<0.44	<0.44	<0.44	<4.4		<2.2	<0.44				<44
Toluene	µg/L	800	160	(1,2) 2500	(2) 320	(1,2) 19000	<0.53	(1,2) 1740^J	<0.53	<0.53	<0.53	<5.3		<2.65	<0.53				<53
1,2,4-Trichlorobenzene	µg/L	70	14	<750	<15	<7500	<1.5	<3000	<1.5	<1.5	<1.5	<15		<7.5	<1.5				<150
1,2,3-Trichlorobenzene	µg/L	NS	NS	<650	<13	<6500	<1.3	<2600	<1.3	<1.3	<1.3	<13		<6.5	<1.3				<130
1,1,1-Trichloroethane	µg/L	200	40	(1,2) 6700	(2) 77	(1,2) 96000	<0.85	(1,2) 17900	<0.85	1.28 ^J	3.3	<8.5		<4.25	<0.85				<85
1,1,2-Trichloroethane	µg/L	5.0	0.5	<235	<4.7	<2350	<0.47	<940	<0.47	<0.47	<0.47	<4.7		<2.35	<0.47				<47
Trichloroethene (TCE)	µg/L	5.0	0.5	(1,2) 1600	(1,2) 36	(1,2) 26000	<0.47	(1,2) 1820^J	<0.47	(1,2) 6.5	(1,2) 35	<4.7		(2) 3^J	<0.47				(1,2) 102^J
Trichlorofluoromethane	µg/L	3,490	698	<850	<17	<8500	<1.7	<3400	<1.7	<1.7	<1.7	<17		<8.5	<1.7				<170
1,2,4-Trimethylbenzene	µg/L	**	**	440 ^J	257	<4000	<0.8	<1600	<0.8	<0.8	<0.8	13.9 ^J		<4	<0.8				<80
1,3,5-Trimethylbenzene	µg/L	**	**	<370	76	<3700	<0.74	<1480	<0.74	<0.74	<0.74	<7.4		<3.7	<0.74				<74
Total Trimethylbenzenes	µg/L	480	96	(1,2) 440^J	(2) 333	<4000	<0.8	<1600	<0.8	<0.8	<0.8	13.9 ^J		<4	<0.8				<80
Vinyl Chloride	µg/L	0.2	0.02	(1,2) 9700	(1,2) 122	(1,2) 12600	(1,2) 1.27	(1,2) 1820	(1,2) 35	(1,2) 2.73	(1,2) 17.5	(1,2) 2.2^J		(1,2) 160	<0.18				<18
Xylenes (total)	µg/L	2,000	400	(1,2) 4790	(2) 1380	(1,2) 8800^J	<1.1	<2200	<1.1	<1.1	<1.1	92		<5.5	<1.1				<110

Notes:

J = analyte detected between Limit of Detection and Limit of Quantitation
µg/L = micrograms per liter (equivalent to parts per billion)
NA = Not Analyzed NS = No Standard
NR 140 ES = Wisconsin Administrative Code, Chapter NR 140 Enforcement Standard
NR 140 PAL = Wisconsin Administrative Code, Chapter NR 140 Preventive Action Limit
Exceedances: **BOLD** = detected compound
(1) = concentration exceeds Chapter NR 140 ES
(2) = concentration exceeds Chapter NR 140 PAL

Free Product - Not Sampled

Well Not Found - No Site Access

Well Not Found - No Site Access

Well Not Found - No Site Access

Free Product - Not Sampled

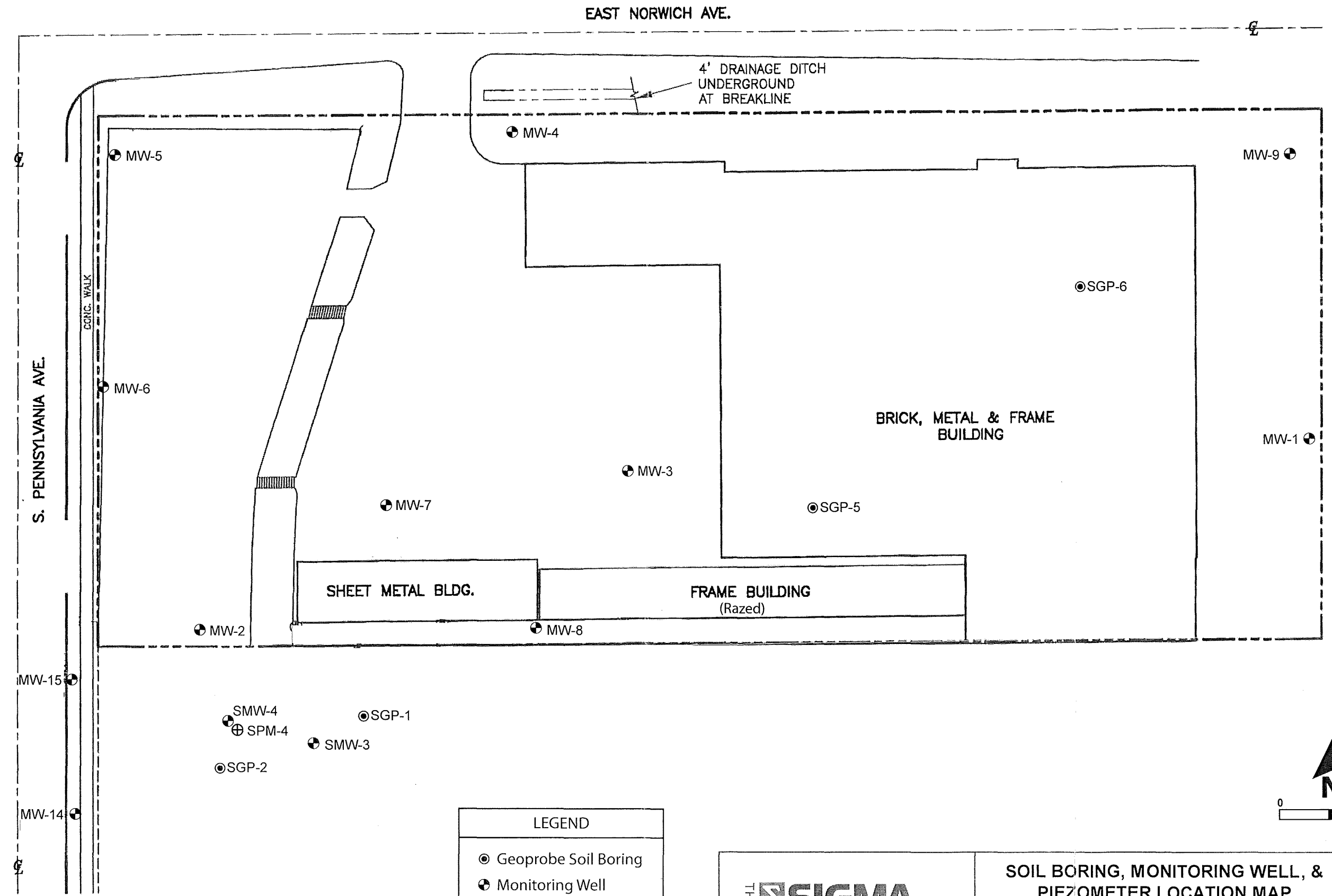
TABLE 3
SUMMARY OF GROUNDWATER BIOCHEMICAL RESULTS
Former D-F Incorporated Property
St. Francis, Wisconsin
Project Reference # 13097

Monitoring Well Identification:		SMW-3	SMW-4	SPM-4	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-11	MW-12	MW-13	MW-14	MW-15	
Field Parameters	Unit	Collection Date																	
		10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12	10/15/12
Dissolved Oxygen	mg/L	0.60	0.90	0.70	1.00	0.90	0.50	1.20	1.20	0.90	Free Product - Not Tested	0.90	1.30	Well Not Found - No Site Access	Well Not Found - No Site Access	Well Not Found - No Site Access	not enough	Free Product - Not Tested	
Redox	mV	-93	-80	-78	-20	-71	-113	-155	-76	-115		-100	-22				not enough		
pH	S.U.	6.8	7.3	6.7	7.0	6.8	7.0	7.8	7.3	7.2		6.9	6.9				not enough		
Ferrous Fe	mg/L	2.0	1.6	5.0	2.8	4.0	4.0	4.6	0.0	3.8		4.6	0.0				not enough		
Temperature	°C	12.0	11.9	10.5	14.6	13.5	19.0	15.0	6.5	15.7		12.7	13.3				not enough		

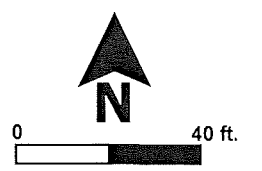
Notes:
mg/l = milligrams per liter
mV = millivolts
S.U. = standard pH unit
Degree C = Degree Celsius
NA = Not Analyzed


FIGURES

Project: 13097 | Directory: WDNR/DF | Filename: 13097_FIG 1.PDF | Created By: SLO | Date: 11/09/2012

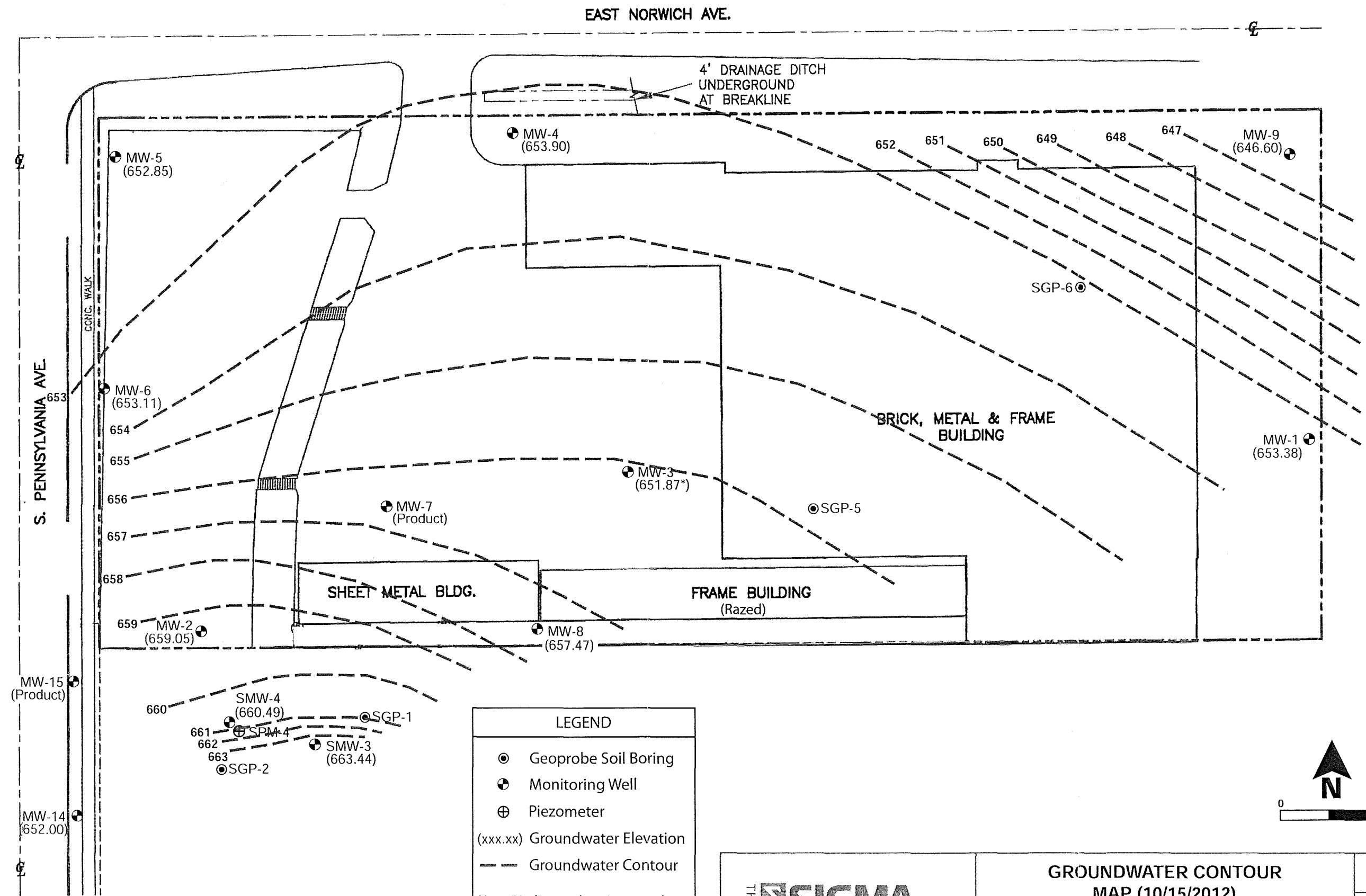


LEGEND	
⊙	Geoprobe Soil Boring
⊕	Monitoring Well
⊕	Piezometer

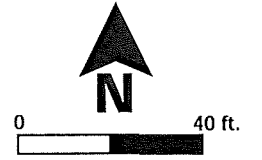


 <p>Single Source. Sound Solutions. GROUP</p>	<p>SOIL BORING, MONITORING WELL, & PIEZOMETER LOCATION MAP</p> <p>2517 EAST NORWICH ST. FRANCIS, WISCONSIN</p>	FIGURE
		1

Project: 13097
 Directory: WDMR/DF
 Filename: 13097_FIG 1.PDF
 Created By: SLO
 Date: 11/09/2012



LEGEND	
	Geoprobe Soil Boring
	Monitoring Well
	Piezometer
(xxx.xx)	Groundwater Elevation
	Groundwater Contour
Note: * indicates elevation not taken into account for contours	



 Single Source. Sound Solutions.	GROUNDWATER CONTOUR MAP (10/15/2012)	FIGURE
	2517 EAST NORWICH ST. FRANCIS, WISCONSIN	2

APPENDIX A

Monitoring Well Construction and Development Forms

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-1</u>	
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 20 min.

4. Depth of well (from top of well casing) 15.0 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 12.75 gal.

7. Volume of water removed from well 7.0 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>7.50</u> ft.	<u>12.50</u> ft.
Date	b. <u>10/08/2012</u> m m d d y y y y	<u>10/08/2012</u> m m d d y y y y
Time	c. <u>3:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>3:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) <u>Reddish Brown</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Clear</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: David Last Name: Dailey
Firm: Sigma Env.

17. Additional comments on development:

1st = 5.0 gals
2nd = 2.0 gals
} 10 min. intervals
Clear

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-2</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 61
- surged with block and bailed 42
- surged with block and pumped 62
- surged with block, bailed and pumped 70
- compressed air 20
- bailed only 10
- pumped only 51
- pumped slowly 50
- Other

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 13.70 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 4.00 gal.

7. Volume of water removed from well 2.0 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

1st = 1.5 gals.
2nd = 0.25 gal.
3rd = 0.25 gal.
} 10 min. interval
} Clear

11. Depth to Water (from top of well casing)

Before Development After Development

a. 10.63 ft. 12.70 ft.

Date b. 10/08/2012 10/08/2012
m m d d y y y y m m d d y y y y

Time c. 2:50 a.m. p.m. 3:20 a.m. p.m.

12. Sediment in well bottom 0.0 inches 0.0 inches

13. Water clarity Clear 10 Turbid 20
(Describe) Slight turb (Describe) Clear

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: David Last Name: Dailey

Firm: Sigma Env.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-3</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 61
- surged with block and bailed 42
- surged with block and pumped 62
- surged with block, bailed and pumped 70
- compressed air 20
- bailed only 10
- pumped only 51
- pumped slowly 50
- Other

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 14.25 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 11.05 gal.

7. Volume of water removed from well 10.0 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

1st = 8.0 gals. clear
2nd = 2.0 gals. clear

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>6.92</u> ft.	<u>11.00</u> ft.
Date	b. <u>10/08/2012</u> m m d d y y y y	<u>10/08/2012</u> m m d d y y y y
Time	c. <u>12:35</u> <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>1:05</u> <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.

12. Sediment in well bottom 0.5 inches 0.0 inches

13. Water clarity
Clear 10 Clear 20
Turbid 15 Turbid 25
(Describe) Slight turbid (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: David Last Name: Dailey

Firm: Sigma Env.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-4</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 16.55 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 12.3 gal.

7. Volume of water removed from well 14.0 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

1st = 10.0 } clear
2nd = 4.0 } clear 10 min. interval

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>8.46</u> ft.	<u>10.42</u> ft.
Date	b. <u>10,08,2012</u> m m d d y y y y	<u>10,08,2012</u> m m d d y y y y
Time	c. <u>2:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>2:50</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.5</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Slight turbid</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>clear</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: David Last Name: Dailey

Firm: Sigma Env.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW 5</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 61
- surged with block and bailed 42
- surged with block and pumped 62
- surged with block, bailed and pumped 70
- compressed air 20
- bailed only 10
- pumped only 51
- pumped slowly 50
- Other

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 13.85 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 6.0 gal.

7. Volume of water removed from well 4.0 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

1st = 3.0 gal. Clear }
2nd = 1.0 Clear } 10 min. intervals
3rd = Dry }

11. Depth to Water Before Development After Development

(from top of well casing) a. 9.84 ft. 12.40 ft.

Date b. 10,08,2012 10,08,2012
m m d d y y y y m m d d y y y y

Time c. 2:00 a.m. p.m. 2:30 a.m. p.m.

12. Sediment in well bottom 0.0 inches 0.0 inches

13. Water clarity Clear 10 Turbid 15
(Describe) (Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: David Last Name: Dailey

Firm: Sigma Env.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-60</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 15.30 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 7.7 gal.

7. Volume of water removed from well 9.0 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

1st = 5.0 gals
2nd = 4.0 gals
15 min. intervals

Clear

11. Depth to Water (from top of well casing)

	Before Development	After Development
a.	<u>10.20</u> ft.	<u>13.70</u> ft.
b. Date	<u>10/08/2012</u> m m d d y y y y	<u>10/08/2012</u> m m d d y y y y
c. Time	<u>2:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>2:30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.

12. Sediment in well bottom 0.0 inches

13. Water clarity

	Before Development	After Development
Clear <input type="checkbox"/> 10	<input type="checkbox"/>	<input checked="" type="checkbox"/> 20
Turbid <input checked="" type="checkbox"/> 15	<input checked="" type="checkbox"/>	<input type="checkbox"/> 25
(Describe)	<u>Slight turbid</u>	<u>Clear</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l

15. COD _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: David Last Name: Dailey

Firm: Sigma Env.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-7</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 60 min.

4. Depth of well (from top of well casing) 12.85 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 11.7 gal.

7. Volume of water removed from well 150 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

1st = 8 gals }
2nd = 50 gals } 15 min. intervals
3rd = 20 gal }

11. Depth to Water (from top of well casing)

	Before Development	After Development
a.	<u>5.11</u> ft.	<u>9.66</u> ft.

Date 10/08/2012 10/08/2012
m m d d y y y y m m d d y y y y

Time c. 1:10 a.m. p.m. 2:10 a.m. p.m.

12. Sediment in well bottom 1.0 inches 0.0 inches

13. Water clarity Clear 10 Turbid 15
(Describe) gray with product blebs

Clear 20 Turbid 25
(Describe) clear sheen

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: David Last Name: Dailey

Firm: Sigma Env.

* product blebs

Name and Address of Facility Contact/Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-8</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 10.95 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 5.7 gal.

7. Volume of water removed from well 1.25 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

1st = 1.0 gal. } clear
2nd = 0.25 } 15 min. intervals
3rd = Dry }

11. Depth to Water (from top of well casing)

a. Before Development 7.13 ft. After Development 10.80 ft.

Date b. 10,08,2012 10,08,2012
m m d d y y y y m m d d y y y y

Time c. 1:20 a.m. p.m. 1:50 a.m. p.m.

12. Sediment in well bottom 0.0 inches 0.0 inches

13. Water clarity Clear 10 Turbid 15
(Describe) slight turbid clear
Clear 20 Turbid 25
(Describe)

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: David Last Name: Dailey

Firm: Sigma Env.

Name and Address of Facility Contact/Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-9</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 20 min.

4. Depth of well (from top of well casing) 15.50 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 3.6 gal.

7. Volume of water removed from well 6.0 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

1st = 4.0 gals. clear
2nd = 2.0 gals. clear

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>13.12</u> ft.	<u>15.00</u> ft.
Date	b. <u>10,08,2012</u> m m d d y y y y	<u>10,08,2012</u> m m d d y y y y
Time	c. <u>3:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>3:20</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>Light Brown</u>	Clear <input checked="" type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>Clear</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: David Last Name: Dailey

Firm: Sigma Env.

Name and Address of Facility Contact/Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-14</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 15.10 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 00.38 gal.

7. Volume of water removed from well 00.25 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

1/4 gal.; well did not recharge in 30 min

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>14.70</u> ft.	<u>Dry</u> ft.
Date	b. <u>10,08,2012</u> m m d d y y y y	<u>10,08,2012</u> m m d d y y y y
Time	c. <u>12:00</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>12:30</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) <u>?</u>	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>?</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: David Last Name: Dailey
Firm: Sigma Env.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____
Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey
Print Name: David Dailey
Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>MW-15</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 61
- surged with block and bailed 42
- surged with block and pumped 62
- surged with block, bailed and pumped 70
- compressed air 20
- bailed only 10
- pumped only 51
- pumped slowly 50
- Other

3. Time spent developing well 30 min.

4. Depth of well (from top of well casing) 15.20 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 3.6 gal.

7. Volume of water removed from well 1.0 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

1st = 0.75 gal.
2nd = 0.25
3rd = Dry
} 10 min. intervals

Name and Address of Facility Contact/Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

11. Depth to Water (from top of well casing)

a. 12.77 ft. Dry ft.

Date b. 10/08/2012 10/08/2012
m m d d y y y y m m d d y y y y

Time c. 12:00 a.m. p.m. 12:30 a.m. p.m.

12. Sediment in well bottom 0.0 inches 0.0 inches

13. Water clarity Clear 10 Turbid 15

(Describe) product Slight turbid
+ product & water
water

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: David Last Name: Dailey

Firm: Sigma Env.

product in this well
product = 12.18 water = 12.77

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>SMW-3</u>
Facility License, Permit or Monitoring Number	County Code ---	Wis. Unique Well Number <u>VN600</u>
		DNR Well ID Number ---

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 180 min.

4. Depth of well (from top of well casing) 17.25 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 17.95 gal.

7. Volume of water removed from well 550 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>5.41</u> ft.	<u>6.44</u> ft.
Date	b. <u>10/08/2012</u> m m d d y y y y	<u>10/08/2012</u> m m d d y y y y
Time	c. <u>8:45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11:45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.

12. Sediment in well bottom 1.0 inches 0.0 inches

13. Water clarity

	Clear <input type="checkbox"/> 10	Clear <input checked="" type="checkbox"/> 20
Turbid <input checked="" type="checkbox"/> 15	Turbid <input type="checkbox"/> 25	
(Describe)	(Describe)	
<u>gray</u>	<u>Slight turbid</u>	
_____	_____	
_____	_____	
_____	_____	

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: David Last Name: Dailey

Firm: Sigma Env.

Name and Address of Facility Contact/Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former DF</u>	County Name <u>Milwaukee</u>	Well Name <u>SMW-4</u>
Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number <u>VM 607</u>
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

- surged with bailer and bailed 41
- surged with bailer and pumped 61
- surged with block and bailed 42
- surged with block and pumped 62
- surged with block, bailed and pumped 70
- compressed air 20
- bailed only 10
- pumped only 51
- pumped slowly 50
- Other

3. Time spent developing well 60 min.

4. Depth of well (from top of well casing) 17.85 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 15.81 gal.

7. Volume of water removed from well 9.5 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>7.46</u> ft.	<u>16.41</u> ft.
Date	b. <u>10/08/2012</u> m m d d y y y y	<u>10/08/2012</u> m m d d y y y y
Time	c. <u>8:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>9:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>1.0</u> inches	<u>0.0</u> inches
13. Water clarity	Clear <input type="checkbox"/> 10 Turbid <input checked="" type="checkbox"/> 15 (Describe) <u>gray</u>	Clear <input type="checkbox"/> 20 Turbid <input checked="" type="checkbox"/> 25 (Describe) <u>slight turbid</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: David Last Name: Dailey
Firm: Sigma Env.

17. Additional comments on development:

1st = 9.0 gals }
2nd = 0.25 gal } 15 min. intervals
3rd = 0.25 gal }
30 min. interval.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>Former D.F.</u>	County Name <u>Milwaukee</u>	Well Name <u>SPM-4</u>
Facility License, Permit or Monitoring Number	County Code ---	Wis. Unique Well Number <u>VY786</u>
		DNR Well ID Number ---

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 90 min.

4. Depth of well (from top of well casing) 34.60 ft.

5. Inside diameter of well 2.0 in.

6. Volume of water in filter pack and well casing 29.10 gal.

7. Volume of water removed from well 50.0 gal.

8. Volume of water added (if any) None gal.

9. Source of water added None

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>15.47</u> ft.	<u>15.70</u> ft.
Date	b. <u>10,08,2012</u> m m d d y y y y	<u>10,08,2012</u> m m d d y y y y
Time	c. <u>9:00</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>10:30</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.

12. Sediment in well bottom 1.0 inches 0.0 inches

13. Water clarity

	Clear <input type="checkbox"/> 10	Clear <input checked="" type="checkbox"/> 20
Turbid <input checked="" type="checkbox"/> 15	Turbid <input type="checkbox"/> 25	
(Describe)	(Describe)	
<u>gray</u>	<u>clear</u>	

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids ----- mg/l ----- mg/l

15. COD ----- mg/l ----- mg/l

16. Well developed by: Name (first, last) and Firm
First Name: David Last Name: Dailey
Firm: Sigma Env.

Name and Address of Facility Contact/Owner/Responsible Party

First Name: _____ Last Name: _____

Facility/Firm: _____

Street: _____

City/State/Zip: _____

I hereby certify that the above information is true and correct to the best of my knowledge.

Signature: David Dailey

Print Name: David Dailey

Firm: Sigma Env.

APPENDIX B
Soil Boring Logs



Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Former DF Property		License/Permit/Monitoring Number -		Boring Number SGP-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-Site Environmental Services		Date Drilling Started 9/17/2012		Date Drilling Completed 9/17/2012	
Drilling Method direct push		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet Site		Surface Elevation Feet Site	
Borehole Diameter 2.0 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane N, E S/C/N		Lat _____ ' _____ "		<input type="checkbox"/> N <input type="checkbox"/> E	
NW 1/4 of NE 1/4 of Section 22, T 6 N, R 22 E		Long _____ ' _____ "		<input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Milwaukee		County Code 41	
				Civil Town/City/ or Village St. Francis	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	60 23	P U S H	1	TOPSOIL, dk brown, few stones, loose, dry	ML			0						
			2	CHARRED WOOD, dk black-brown, dry										
			3	FILL, white gravel, dk red wood chips	GP				17					
			4											
2 GP	60 36	P U S H	5											
			6											
			7	SILTY FILL, lt grey, some fibrous pieces and glass, dry	ML				493					
			8	SILT, med brown-grey, med dense, damp	ML									
3 GP	60 36	P U S H	9					399						
			10	SILT, lt tan-brown, some red mottling, med dense, moist	ML				268					
			11											
			12	Groundwater at approx. 12'										
			13	FINE SANDY SILT, lt tan-brown, med dense, wet	SM			485						
			14											
			15	EOB at 15'. Abandoned with 3/8" bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature *[Signature]* Firm **Sigma Environmental** Tel: 414-643-4200
1300 W Canal St Milwaukee WI 53233 Fax: 414-643-4210

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Former DF Property		License/Permit/Monitoring Number -		Boring Number SGP-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-Site Environmental Services		Date Drilling Started 9/17/2012		Date Drilling Completed 9/17/2012	
Drilling Method direct push		WI Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet Site		Surface Elevation Feet Site	
Borehole Diameter 2.0 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane N, E S/C/N		Lat _____"		<input type="checkbox"/> N <input type="checkbox"/> E	
NW 1/4 of NE 1/4 of Section 22, T 6 N, R 22 E		Long _____"		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
Facility ID		County Milwaukee		County Code 41	
				Civil Town/City/ or Village St. Francis	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	60 23	PUSH	1	SANDY GRAVEL, med grey, loose, dry	SW										
			2	FILL, debris, wood chunks, white gravel, brown-red sand, stones, tan-white fibrous stones	GP										
2 GP	60 42	PUSH	5												
			6	SILT, black, organic, dry	OL										
3 GP	60 42	PUSH	7	SILT, med red-brown, some stones, med dense, crumbles, dry	ML										Lab sample
			10	FINE SANDY SILT, med grey, red and black spots, some stones, product saturated	SM										
			12	Groundwater at approx. 12'											
			15	EOB at 15'. Abandoned with 3/8" bentonite chips.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>B. Orzack</i>	Firm Sigma Environmental 1300 W Canal St Milwaukee WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
-------------------------------	--------------------------------------------------------------------------	----------------------------------------

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Former DF Property		License/Permit/Monitoring Number -		Boring Number SMW-3	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-Site Environmental Services		Date Drilling Started 9/17/2012		Date Drilling Completed 9/17/2012	
Drilling Method hollow stem auger					
WI Unique Well No. VN600	DNR Well ID No.	Common Well Name SMW-3	Final Static Water Level Feet Site	Surface Elevation Feet Site	Borehole Diameter 8.3 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		State Plane N, E S/C/N		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
NW 1/4 of NE 1/4 of Section 22, T 6 N, R 22 E		Lat _____ ' _____ "		Long _____ ' _____ "	
Facility ID	County Milwaukee	County Code 41	Civil Town/City/ or Village St. Francis		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	60 18	PUSH	1.5	FILL, debris (red, green, brown, and black), some brown sand and rocks, some fibrous grey material				43							
2 GP	60 22	PUSH	4.5	moist with product	GP			617							
3 GP	60 57	PUSH	9.0	SILT, med brown-grey, some stones, slightly dense, product saturated	ML			655							Lab sample
			10.5	FINE-MED SAND, med tan-brown, product saturated	SW			595							
4 GP	60 40	PUSH	12.0	SILT with interbedded med sand, med tan-brown, small red mottles, very dense	SM			322							
			13.5	Groundwater at approx. 12'											
			15.0	SILT with interbedded fine sand, med grey, trace stones, very dense	SM			156							
			16.5												
			18.0												
			19.5												
				EOB at 20'. Monitoring well SMW-3 installed with bottom of casing at 18'.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *[Signature]* Firm: Sigma Environmental
1300 W Canal St Milwaukee WI 53233
Tel: 414-643-4200 Fax: 414-643-4210

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Former DF Property		License/Permit/Monitoring Number -		Boring Number SMW-4	
Boring Drilled By: Name of crew chief (first, last) and Firm Tony Kapugi On-Site Environmental Services		Date Drilling Started 9/17/2012		Date Drilling Completed 9/17/2012	
Drilling Method hollow stem auger		WI Unique Well No. VM607		DNR Well ID No.	
Common Well Name SMW-4		Final Static Water Level Feet Site		Surface Elevation Feet Site	
Borehole Diameter 8.3 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/>		Local Grid Location	
State Plane N, E S/C/N		Lat _____"		<input type="checkbox"/> N <input type="checkbox"/> E	
NW 1/4 of NE 1/4 of Section 22, T 6 N, R 22 E		Long _____"		Feet <input type="checkbox"/> S Feet <input type="checkbox"/> W	
Facility ID		County Milwaukee		County Code 41	
				Civil Town/City/ or Village St. Francis	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	60/32	PUSH	1.5	SANDY GRAVEL, med grey, loose, dry	SW			193							
			3.0	FILL, debris, dk black-brown charred wood, white gravel, brown-red sand, lt grey fibrous material, stones											
2 GP	60/23	PUSH	4.5		GP			123							
			6.0												
			7.5												
			9.0	product saturated	ML			278							
3 GP	60/34	PUSH	10.5	SILT, med grey, med dense, wood pieces				402							
			12.0	SILT with interbedded med sand, med tan-brown, very dense	SM										
			13.5	Groundwater at approx. 12'											
			15.0												
4 GP	60/36	PUSH	16.5	SILT with interbedded fine sand, med grey, trace stones, extremely dense	SM			59							
			18.0												
			19.5												
				EOB at 20'. Monitoring well SMW-4 installed with bottom of casing at 18'.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>[Signature]</i>	Firm Sigma Environmental 1300 W Canal St Milwaukee WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
---------------------------------	--------------------------------------------------------------------------	----------------------------------------

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Former DF Property		License/Permit/Monitoring Number -		Boring Number SPM-4	
Boring Drilled By: Name of crew chief (first, last) and Firm Alex Plumer Badger Drilling			Date Drilling Started 9/18/2012	Date Drilling Completed 9/19/2012	Drilling Method hollow stem auger
WI Unique Well No. VY786	DNR Well ID No.	Common Well Name SPM-4	Final Static Water Level Feet Site	Surface Elevation Feet Site	Borehole Diameter 8.3 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N			Lat _____ " <input type="checkbox"/> N <input type="checkbox"/> E Long _____ " <input type="checkbox"/> S <input type="checkbox"/> W		Local Grid Location
NW 1/4 of NE 1/4 of Section 22, T 6 N, R 22 E					

Facility ID	County Milwaukee	County Code 41	Civil Town/City/ or Village St. Francis
-------------	----------------------------	--------------------------	---------------------------------------------------

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
				Blind Drill; Cased with 6" steel pipe										
1	24	17	22.5	FINE-COARSE SANDY GRAVEL, med brown-grey, loose, wet coarse sand, lots of stones more frequent and larger stones	GW			395						
SS 2	9	20	27.0					533						
SS 3	8	25						461						
SS 4	24	24						445						
SS 5	8	24	31.5					393						
SS 6	24	24						499						
SS	15	12		435	ML									
		25		EOB at 35.5'. Piezometer SPM-4 installed with bottom of casing at 35'.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm Sigma Environmental 1300 W Canal St Milwaukee WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
---------------	--------------------------------------------------------------------------	----------------------------------------

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Former DF Property			License/Permit/Monitoring Number -		Boring Number SGP-5	
Boring Drilled By: Name of crew chief (first, last) and Firm Josh Bartolomey Sigma			Date Drilling Started 10/2/2012		Date Drilling Completed 10/2/2012	Drilling Method direct push
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet Site		Surface Elevation Feet Site	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane NW 1/4 of NE 1/4 of Section 22, T 6 N, R 22 E			Lat _____ Long _____		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County Milwaukee	County Code 41	Civil Town/City/ or Village St. Francis		

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 22	P U S H	1.5	CONCRETE, building slab	GW	[Pattern]		0						
				COARSE SAND (fill), lt tan-brown, loose	SW	[Pattern]								
2 GP	48 43	P U S H	3.0	COARSE SAND, black, loose	SW	[Pattern]		0						
				FINE SAND, black, slightly dense	SW	[Pattern]		0						
				wet									Lab sample	
3 GP	48 48	P U S H	4.5	SILT, black, med dense, wet	ML	[Pattern]		0						
				SILTY CLAY (possibly native), lt grey-brown, some red-brown mottles, trace gravel, very dense, wet										
4 GP	48 48	P U S H	7.5	less mottles				0						
				no mottles, no gravel	CL-MI	[Pattern]		0						
4 GP	48 48	P U S H	10.5	Groundwater at approx. 12'				0						
				SILT, lt-med brown, supersaturated (flows)	ML	[Pattern]		0						
				COARSE-MED SAND, med grey-brown, med dense, wet	SW	[Pattern]								
			15.0	EOB at 16'. Abandoned with 3/8" bentonite chips.										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: *[Signature]* Firm: Sigma Environmental
1300 W Canal St Milwaukee WI 53233
Tel: 414-643-4200 Fax: 414-643-4210

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

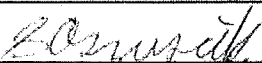
Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Former DF Property		License/Permit/Monitoring Number -		Boring Number SGP-6	
Boring Drilled By: Name of crew chief (first, last) and firm Josh Bartolomey Sigma			Date Drilling Started 10/2/2012	Date Drilling Completed 10/2/2012	Drilling Method direct push
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet Site	Surface Elevation Feet Site	Borehole Diameter 2.0 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane N, E S/C/N NW 1/4 of NE 1/4 of Section 22, T 6 N, R 22 E			Lat _____ Long _____	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	

Facility ID	County Milwaukee	County Code 41	Civil Town/City/ or Village St. Francis
-------------	---------------------	-------------------	--------------------------------------------

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties						RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 38	P U S H	1.5	CONCRETE, building slab	GW										
				COARSE SAND (fill), med brown-tan, loose, dry	SW										
2 GP	48 42	P U S H	3.0	SILTY CLAY, med grey-brown, some red-brown mottles, very dense, dry	CL-MI										
				FINE SAND (fill - possible foundry sand), black, loose, dry	SW										
				SILTY CLAY, ff and med grey, some gravel, med dense, dry	CL-MI									Lab sample	
3 GP	48 41	P U S H	4.5	FINE SAND, med brown-red, some gravel, loose, dry	SW										
				damp, coarser sand	SW										
4 GP	48 48	P U S H	6.0	COARSE SAND, med brown-grey, loose, wet	SW										
				Groundwater at approx. 10.5'	SW										
				SILT, lt-med brown, supersaturated (flows)	ML										
				COARSE SAND, med brown-grey, loose, wet	SW										
			7.5	FINE SAND, med grey, loose, wet	SW										
			9.0	EOB at 16'. Abandoned with 3/8" bentonite chips.											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature 	Firm Sigma Environmental 1300 W Canal St Milwaukee WI 53233	Tel: 414-643-4200 Fax: 414-643-4210
--------------------------------------------------------------------------------------------------	-------------------------------------------------------------------	----------------------------------------

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

APPENDIX C
Borehole Abandonment Forms

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other

(1) GENERAL INFORMATION			(2) FACILITY /OWNER INFORMATION	
WI Unique Well No	DNR Well ID No	County	Facility Name	
		Milwaukee	Former DF Property	
Common Well Name <u>SGP-1</u> Gov't Lot (if applicable)			Facility ID	License/Permit/Monitoring No
Grid Location NW 1/4 of NE 1/4 of Sec <u>22</u> ; T <u>6</u> N; R <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W _____ ft <input type="checkbox"/> N <input type="checkbox"/> S, _____ ft. <input type="checkbox"/> E. <input type="checkbox"/> W. Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>			Street Address of Well	
Lat _____ Long _____ or _____			2517 E. Norwich Avenue	
State Plane _____ ft N _____ ft E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			City, Village, or Town	
Reason For Abandonment			Present Well Owner	
Investigative Boring			Original Owner	
WI Unique Well No. _____ of Replacement Well			Former D-F Inc.	
			Street Address or Route of Owner	
			City, State, Zip Code	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date _____	If a Well Construction Report is available, please attach	Pump & Piping Removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Monitoring Well		Liner(s) Removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Water Well		Screen Removed?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Drillhole / Borehole		Casing Left in Place?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Construction Type:		Was Casing Cut Off Below Surface?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Did Sealing Material Rise to Surface?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u>	<input type="checkbox"/> Dug	Did Material Settle After 24 Hours?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Formation Type:		If Yes, Was Hole Retopped?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	Required Method of Placing Sealing Material	
Total Well Depth (ft) _____ Casing Diameter (in.) _____		<input type="checkbox"/> Conductor Pipe - Gravity	<input type="checkbox"/> Conductor Pipe - Pumped
(From ground surface) Casing Depth (ft.) _____		<input type="checkbox"/> Screened & Poured	<input checked="" type="checkbox"/> Other (Explain) Gravity Pour
Lower Drillhole Diameter (in.) <u>2.0</u>		(Bentonite Chips)	
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		Sealing Materials	
If Yes, To What Depth? _____ Feet		<input type="checkbox"/> Neat Cement Grout	For monitoring wells and monitoring well boreholes only
Depth to Water (Feet) _____		<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite Chips
		<input type="checkbox"/> Concrete	<input type="checkbox"/> Granular Bentonite
		<input type="checkbox"/> Clay-Sand Slurry	<input type="checkbox"/> Bentonite-Cement Grout
		<input type="checkbox"/> Bentonite-Sand Slurry	<input type="checkbox"/> Bentonite - Sand Slurry
		<input checked="" type="checkbox"/> Chipped Bentonite	

(5) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	15.0	

(6) Comments _____

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment
Sigma Environmental Services		9/17/12
Signature of Person Doing Work	Date Signed	
<i>Mal R. Schmidt</i>	11/30/12	
Street or Route	Telephone Number	
1300 W. Canal St.	414-643-4200	
City, State, Zip Code		
Milwaukee, WI 53233		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other

(1) GENERAL INFORMATION		(2) FACILITY /OWNER INFORMATION	
WI Unique Well No	DNR Well ID No	County	Facility Name
		Milwaukee	Former DF Property
Common Well Name SGP-5		Gov't Lot (if applicable)	Facility ID
NW 1/4 of NE 1/4 of Sec 22 ; T 6 N; R 22 <input checked="" type="checkbox"/> E <input type="checkbox"/> W			License/Permit/Monitoring No
ft <input type="checkbox"/> N <input type="checkbox"/> S, ft <input type="checkbox"/> E. <input type="checkbox"/> W.			Street Address of Well
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>			2517 E. Norwich Avenue
Lat _____ Long _____ or			City, Village, or Town
State Plane _____ ft N _____ ft E <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone			St. Francis
Reason For Abandonment		WI Unique Well No	Present Well Owner
Investigative Boring		of Replacement Well	Original Owner
			Former D-F Inc.
			Street Address or Route of Owner
			City, State, Zip Code

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION	(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL
Original Construction Date _____	Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Monitoring Well	Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Water Well	Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable
<input type="checkbox"/> Drillhole / Borehole	Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Construction Type:	Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug	Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input checked="" type="checkbox"/> Other (Specify) Geoprobe	Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Formation Type:	If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	Required Method of Placing Sealing Material
Total Well Depth (ft) _____ Casing Diameter (in.) _____	<input type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped
(From ground surface) Casing Depth (ft) _____	<input type="checkbox"/> Screened & Poured <input checked="" type="checkbox"/> Other (Explain) Gravity Pour
Lower Drillhole Diameter (in.) 2.0	(Bentonite Chips)
Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Sealing Materials
If Yes, To What Depth? _____ Feet	<input type="checkbox"/> Neat Cement Grout
Depth to Water (Feet) _____	<input type="checkbox"/> Sand-Cement (Concrete) Grout
	<input type="checkbox"/> Concrete
	<input type="checkbox"/> Clay-Sand Slurry
	<input type="checkbox"/> Bentonite-Sand Slurry
	<input checked="" type="checkbox"/> Chipped Bentonite
	For monitoring wells and monitoring well boreholes only
	<input type="checkbox"/> Bentonite Chips
	<input type="checkbox"/> Granular Bentonite
	<input type="checkbox"/> Bentonite-Cement Grout
	<input type="checkbox"/> Bentonite - Sand Slurry

(5) Sealing Material Used	From (Ft.)	To (Ft.)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	16.0	

(6) Comments _____

(7) Name of Person or Firm Doing Sealing Work	Date of Abandonment
Sigma Environmental Services	10/2/12
Signature of Person Doing Work	Date Signed
<i>Mark R. Johnson</i>	11/30/12
Street or Route	Telephone Number
1300 W. Canal St.	414-643-4200
City, State, Zip Code	
Milwaukee, WI 53233	

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

Notice: Please complete Form 3300-5 and return it to the appropriate DNR office and bureau. Completion of this report is required by chs 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis Stats, and ch NR 141, Wis Adm Code. In accordance with chs 281, 289, 291, 292, 293, 295, and 299, Wis Stats, failure to file this form may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See the instructions for more information.

Route to: Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other

(1) GENERAL INFORMATION		(2) FACILITY /OWNER INFORMATION	
WI Unique Well No	DNR Well ID No	County	Facility Name
		Milwaukee	Former DF Property
Common Well Name <u>SGP-6</u> Gov't Lot (if applicable)		Facility ID	License/Permit/Monitoring No
Grid Location <u>NW</u> 1/4 of <u>NE</u> 1/4 of Sec <u>22</u> , T <u>6</u> N; R <u>22</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W _____ ft <input type="checkbox"/> N <input type="checkbox"/> S, _____ ft <input type="checkbox"/> E <input type="checkbox"/> W. Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat _____ " Long _____ " or State Plane _____ ft N _____ ft E. <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Zone		Street Address of Well <u>2517 E. Norwich Avenue</u>	
Reason For Abandonment		City, Village, or Town	
<u>Investigative Boring</u>		<u>St. Francis</u>	
WI Unique Well No. of Replacement Well		Present Well Owner	Original Owner
			<u>Former D-F Inc.</u>
		Street Address or Route of Owner	
		City, State, Zip Code	

(3) WELL/DRILLHOLE/BOREHOLE INFORMATION		(4) PUMP, LINER, SCREEN, CASING, & SEALING MATERIAL	
Original Construction Date _____ <input type="checkbox"/> Monitoring Well <input type="checkbox"/> Water Well <input type="checkbox"/> Drillhole / Borehole Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (Specify) <u>Geoprobe</u> Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock Total Well Depth (ft) _____ Casing Diameter (in) _____ (From ground surface) Casing Depth (ft) _____ Lower Drillhole Diameter (in) <u>2.0</u> Was Well Annular Space Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown If Yes, To What Depth? _____ Feet Depth to Water (Feet) _____		Pump & Piping Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Liner(s) Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Screen Removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Applicable Casing Left in Place? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Was Casing Cut Off Below Surface? <input type="checkbox"/> Yes <input type="checkbox"/> No Did Sealing Material Rise to Surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Did Material Settle After 24 Hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Was Hole Retopped? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe - Gravity <input type="checkbox"/> Conductor Pipe - Pumped <input type="checkbox"/> Screened & Poured <input checked="" type="checkbox"/> Other (Explain) Gravity Pour (Bentonite Chips) Sealing Materials For monitoring wells and monitoring well boreholes only <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Concrete <input type="checkbox"/> Clay-Sand Slurry <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite-Sand Slurry <input type="checkbox"/> Bentonite-Cement Grout <input checked="" type="checkbox"/> Chipped Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

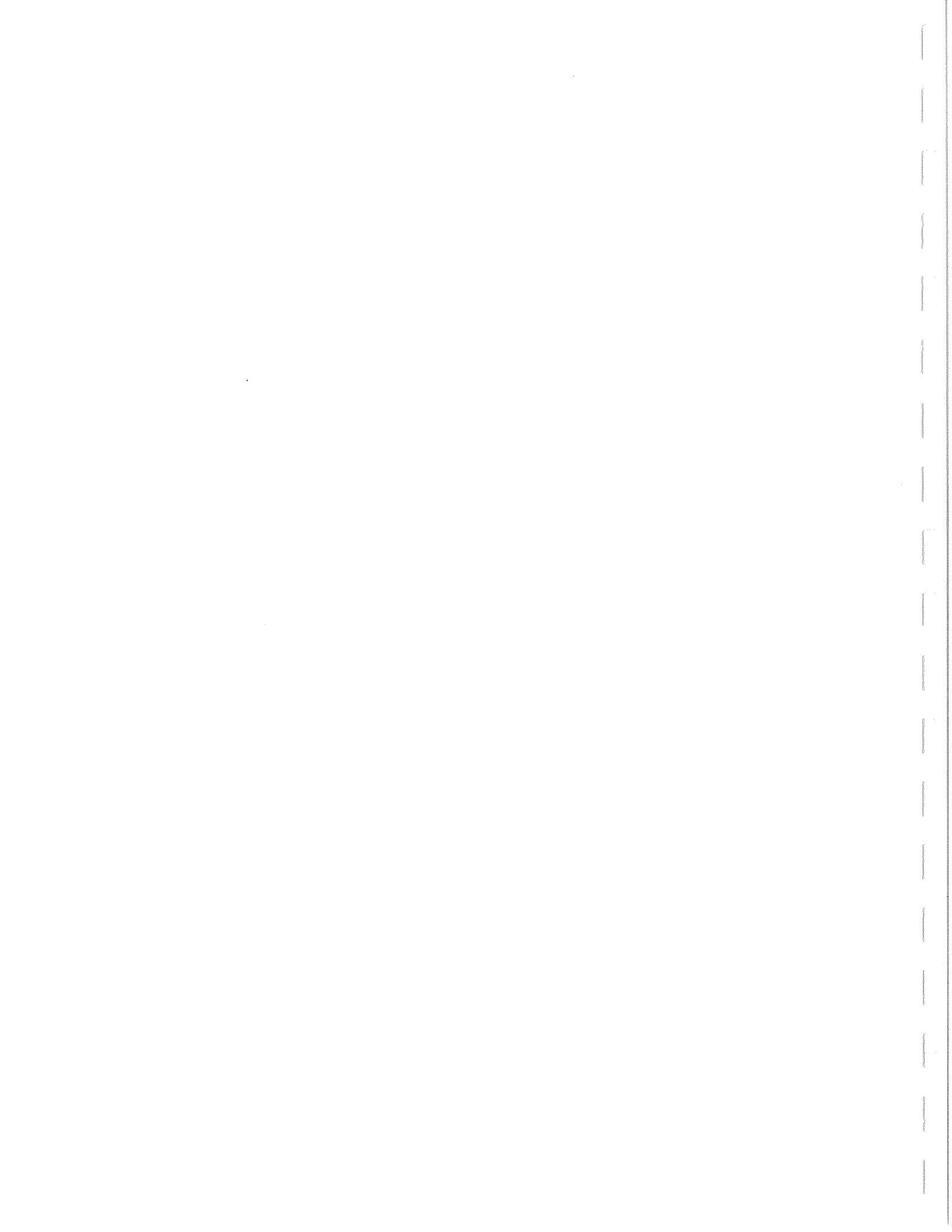
(5) Sealing Material Used	From (Ft)	To (Ft)	Mix Ratio or Mud Weight
<u>3/8" Bentonite Chips</u>	<u>Surface</u>	<u>16.0</u>	

(6) Comments _____

(7) Name of Person or Firm Doing Sealing Work		Date of Abandonment
<u>Sigma Environmental Services</u>		<u>10/2/12</u>
Signature of Person Doing Work	Date Signed	
<i>Mark R. Gilbert</i>	<u>11/30/12</u>	
Street or Route	Telephone Number	
<u>1300 W. Canal St.</u>	<u>414-643-4200</u>	
City, State, Zip Code		
<u>Milwaukee, WI 53233</u>		

FOR DNR OR COUNTY USE ONLY	
Date Received	Noted By
Comments	

APPENDIX D
Laboratory Reports – Soil



Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

KRISTIN KURZKA
SIGMA ENVIRONMMENTAL
1300 W. CANAL STREET
MILWAUKEE, WI 53233

Report Date 21-Nov-12

Project Name 2529 E. NORWICH AVE.
Project # 13097

Invoice # E24505

Lab Code 5024505A
Sample ID COMPOSITE 1
Sample Matrix Soil
Sample Date 11/7/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
TCLP Arsenic	< 0.05	mg/l	0.05		1	6010B		11/14/2012	ESC	1
TCLP Barium	0.88	mg/l	0.15		1	6010B		11/14/2012	ESC	1
TCLP Cadmium	< 0.05	mg/l	0.05		1	6010B		11/14/2012	ESC	1
TCLP Chromium	< 0.05	mg/l	0.05		1	6010B		11/14/2012	ESC	1
TCLP Copper	0.12	mg/l	0.05		1	6010B		11/14/2012	ESC	1
TCLP Lead	0.17	mg/l	0.05		1	6010B		11/14/2012	ESC	1
TCLP Mercury	< 0.001	mg/l	0.001		1	7470A		11/14/2012	ESC	1
TCLP Nickel	0.067	mg/l	0.05		1	6010B		11/14/2012	ESC	1
TCLP Selenium	< 0.05	mg/l	0.05		1	6010B		11/14/2012	ESC	1
TCLP Silver	< 0.05	mg/l	0.05		1	6010B		11/14/2012	ESC	1
TCLP Zinc	8.4	mg/l	0.05		1	6010B		11/14/2012	ESC	1
Organic										
PCB'S										
PCB-1016	< 0.0065	mg/kg	0.0065	0.017	1	EPA 8082A		11/20/2012	ESC	1
PCB-1221	< 0.0054	mg/kg	0.0054	0.017	1	EPA 8082A		11/20/2012	ESC	1
PCB-1232	< 0.0042	mg/kg	0.0042	0.017	1	EPA 8082A		11/20/2012	ESC	1
PCB-1242	< 0.0032	mg/kg	0.0032	0.017	1	EPA 8082A		11/20/2012	ESC	1
PCB-1248	< 0.0032	mg/kg	0.0032	0.017	1	EPA 8082A		11/20/2012	ESC	1
PCB-1254	< 0.0047	mg/kg	0.0047	0.017	1	EPA 8082A		11/20/2012	ESC	1
PCB-1260	< 0.0049	mg/kg	0.0049	0.017	1	EPA 8082A		11/20/2012	ESC	1
TCLP SVOC's										
TCLP o-Cresol	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP m & p-Cresol	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP 1,4-Dichlorobenzene	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP 2,4-Dinitrotoluene	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP Hexachlorobenzene	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP Hexachlorobutadiene	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP Hexachloroethane	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1

Project Name 2529 E. NORWICH AVE.
 Project # 13097

Invoice # E24505

Lab Code 5024505A
 Sample ID COMPOSITE 1
 Sample Matrix Soil
 Sample Date 11/7/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
TCLP Nitrobenzene	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP Pentachlorophenol	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP Phenol	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP Pyridine	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP 2,4,6-Trichlorophenol	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP 2,4,5-Trichlorophenol	< 0.1	mg/l	0.1		1	8270C		11/14/2012	ESC	1
TCLP VOC's										
TCLP Benzene	< 0.05	mg/l	0.05		1	8260B		11/13/2012	ESC	1
TCLP Carbon Tetrachloride	< 0.05	mg/l	0.05		1	8260B		11/13/2012	ESC	1
TCLP Chlorobenzene	< 0.05	mg/l	0.05		1	8260B		11/13/2012	ESC	1
TCLP Chloroform	< 0.25	mg/l	0.25		1	8260B		11/13/2012	ESC	1
TCLP 1,2-Dichloroethane	< 0.05	mg/l	0.05		1	8260B		11/13/2012	ESC	1
TCLP 1,1-Dichloroethene	< 0.05	mg/l	0.05		1	8260B		11/13/2012	ESC	1
TCLP Methyl Ethyl Ketone	< 0.5	mg/l	0.5		1	8260B		11/13/2012	ESC	1
TCLP Tetrachloroethene	< 0.05	mg/l	0.05		1	8260B		11/13/2012	ESC	1
TCLP Trichloroethene	0.10	mg/l	0.05		1	8260B		11/13/2012	ESC	1
TCLP Vinyl Chloride	< 0.05	mg/l	0.05		1	8260B		11/13/2012	ESC	1
Wet Chemistry										
General										
Specific Gravity	1.9	g/cm3			1	2710F		11/12/2012	ESC	1
Reactive Sulfide	< 25	mg/kg	25	25	1	EPA 9034		11/11/2012	ESC	1
Free Liquid	none				1	9095A		11/15/2012	ESC	1
Reactive Cyanide	< 0.125	mg/kg	0.125	0.125	1	9012B		11/13/2012	ESC	1
Solids, Total %	81.9	%	0.0330	1	1	2540G		11/16/2012	ESC	1
pH	8.5	su			1	EPA 9045D		11/16/2012	ESC	1
Chlorides	81	mg/kg	0.8	10	1	9056		11/14/2012	ESC	1
Flash Point	> 170	Deg. F			1	D93		11/15/2012	ESC	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

ESC denotes sub contract lab - Certification #998093910

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael J. Ricker

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

KRISTIN KURZKA
SIGMA ENVIRONMMENTAL
1300 W. CANAL STREET
MILWAUKEE, WI 53233

Report Date 12-Oct-12

Project Name FMR D-F INC.
Project # 13097

Invoice # E24349

Lab Code 5024349A
Sample ID SGP-5 (3.5-6.5')
Sample Matrix Soil
Sample Date 10/2/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.8	%			1	5021		10/4/2012	MDK	1
Organic										
VOC's										
Benzene	< 8.9	ug/kg	8.9	28	1	8260B		10/10/2012	CJR	1
Bromobenzene	< 14	ug/kg	14	43	1	8260B		10/10/2012	CJR	1
Bromodichloromethane	< 12	ug/kg	12	37	1	8260B		10/10/2012	CJR	1
Bromoform	< 20	ug/kg	20	62	1	8260B		10/10/2012	CJR	1
tert-Butylbenzene	< 54	ug/kg	54	173	1	8260B		10/10/2012	CJR	1
sec-Butylbenzene	< 51	ug/kg	51	162	1	8260B		10/10/2012	CJR	1
n-Butylbenzene	< 48	ug/kg	48	152	1	8260B		10/10/2012	CJR	1
Carbon Tetrachloride	< 12	ug/kg	12	39	1	8260B		10/10/2012	CJR	1
Chlorobenzene	< 9.4	ug/kg	9.4	30	1	8260B		10/10/2012	CJR	1
Chloroethane	< 142	ug/kg	142	452	1	8260B		10/10/2012	CJR	1
Chloroform	< 46	ug/kg	46	146	1	8260B		10/10/2012	CJR	1
Chloromethane	< 207	ug/kg	207	658	1	8260B		10/10/2012	CJR	1
2-Chlorotoluene	< 84	ug/kg	84	267	1	8260B		10/10/2012	CJR	1
4-Chlorotoluene	< 76	ug/kg	76	241	1	8260B		10/10/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 77	ug/kg	77	245	1	8260B		10/10/2012	CJR	1
Dibromochloromethane	< 9.5	ug/kg	9.5	30	1	8260B		10/10/2012	CJR	1
1,4-Dichlorobenzene	< 52	ug/kg	52	167	1	8260B		10/10/2012	CJR	1
1,3-Dichlorobenzene	< 53	ug/kg	53	170	1	8260B		10/10/2012	CJR	1
1,2-Dichlorobenzene	< 51	ug/kg	51	164	1	8260B		10/10/2012	CJR	1
Dichlorodifluoromethane	< 12	ug/kg	12	37	1	8260B		10/10/2012	CJR	1
1,2-Dichloroethane	< 13	ug/kg	13	42	1	8260B		10/10/2012	CJR	1
1,1-Dichloroethane	< 11	ug/kg	11	33	1	8260B		10/10/2012	CJR	1
1,1-Dichloroethene	< 22	ug/kg	22	69	1	8260B		10/10/2012	CJR	1
cis-1,2-Dichloroethene	< 14	ug/kg	14	44	1	8260B		10/10/2012	CJR	1
trans-1,2-Dichloroethene	< 22	ug/kg	22	69	1	8260B		10/10/2012	CJR	1

Project Name FMR D-F INC.
Project # 13097

Invoice # E24349

Lab Code 5024349A
Sample ID SGP-5 (3.5-6.5')
Sample Matrix Soil
Sample Date 10/2/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 11	ug/kg	11	36	1	8260B		10/10/2012	CJR	1
2,2-Dichloropropane	< 33	ug/kg	33	104	1	8260B		10/10/2012	CJR	1
1,3-Dichloropropane	< 11	ug/kg	11	35	1	8260B		10/10/2012	CJR	1
Di-isopropyl ether	< 47	ug/kg	47	148	1	8260B		10/10/2012	CJR	1
EDB (1,2-Dibromoethane)	< 17	ug/kg	17	54	1	8260B		10/10/2012	CJR	1
Ethylbenzene	205	ug/kg	55	175	1	8260B		10/10/2012	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	303	1	8260B		10/10/2012	CJR	1
Isopropylbenzene	< 53	ug/kg	53	168	1	8260B		10/10/2012	CJR	1
p-Isopropyltoluene	< 45	ug/kg	45	143	1	8260B		10/10/2012	CJR	1
Methylene chloride	< 119	ug/kg	119	380	1	8260B		10/10/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 12	ug/kg	12	38	1	8260B		10/10/2012	CJR	1
Naphthalene	< 107	ug/kg	107	340	1	8260B		10/10/2012	CJR	1
n-Propylbenzene	< 53	ug/kg	53	169	1	8260B		10/10/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 20	ug/kg	20	64	1	8260B		10/10/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 41	ug/kg	41	132	1	8260B		10/10/2012	CJR	1
Tetrachloroethene	< 24	ug/kg	24	78	1	8260B		10/10/2012	CJR	1
Toluene	189	ug/kg	50	159	1	8260B		10/10/2012	CJR	1
1,2,4-Trichlorobenzene	< 74	ug/kg	74	237	1	8260B		10/10/2012	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	409	1	8260B		10/10/2012	CJR	1
1,1,1-Trichloroethane	< 11	ug/kg	11	34	1	8260B		10/10/2012	CJR	1
1,1,2-Trichloroethane	< 16	ug/kg	16	52	1	8260B		10/10/2012	CJR	1
Trichloroethene (TCE)	< 17	ug/kg	17	53	1	8260B		10/10/2012	CJR	1
Trichlorofluoromethane	< 43	ug/kg	43	137	1	8260B		10/10/2012	CJR	1
1,2,4-Trimethylbenzene	182 "J"	ug/kg	80	253	1	8260B		10/10/2012	CJR	1
1,3,5-Trimethylbenzene	70 "J"	ug/kg	48	151	1	8260B		10/10/2012	CJR	1
Vinyl Chloride	< 16	ug/kg	16	49	1	8260B		10/10/2012	CJR	1
m&p-Xylene	840	ug/kg	86	274	1	8260B		10/10/2012	CJR	1
o-Xylene	330	ug/kg	50	159	1	8260B		10/10/2012	CJR	1
SUR - Dibromofluoromethane	93	Rec %			1	8260B		10/10/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	106	Rec %			1	8260B		10/10/2012	CJR	1
SUR - 4-Bromofluorobenzene	97	Rec %			1	8260B		10/10/2012	CJR	1
SUR - Toluene-d8	96	Rec %			1	8260B		10/10/2012	CJR	1

Lab Code 5024349B
Sample ID SGP-6 (3-6')
Sample Matrix Soil
Sample Date 10/2/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.6	%			1	5021		10/4/2012	MDK	1
Organic										
VOC's										
Benzene	< 8.9	ug/kg	8.9	28	1	8260B		10/10/2012	CJR	1
Bromobenzene	< 14	ug/kg	14	43	1	8260B		10/10/2012	CJR	1
Bromodichloromethane	< 12	ug/kg	12	37	1	8260B		10/10/2012	CJR	1
Bromoform	< 20	ug/kg	20	62	1	8260B		10/10/2012	CJR	1
tert-Butylbenzene	< 54	ug/kg	54	173	1	8260B		10/10/2012	CJR	1
sec-Butylbenzene	< 51	ug/kg	51	162	1	8260B		10/10/2012	CJR	1
n-Butylbenzene	< 48	ug/kg	48	152	1	8260B		10/10/2012	CJR	1
Carbon Tetrachloride	< 12	ug/kg	12	39	1	8260B		10/10/2012	CJR	1

Project Name FMR D-F INC.
 Project # 13097

Invoice # E24349

Lab Code 5024349B
 Sample ID SGP-6 (3-6')
 Sample Matrix Soil
 Sample Date 10/2/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Chlorobenzene	< 9.4	ug/kg	9.4	30	1	8260B		10/10/2012	CJR	1
Chloroethane	< 142	ug/kg	142	452	1	8260B		10/10/2012	CJR	1
Chloroform	< 46	ug/kg	46	146	1	8260B		10/10/2012	CJR	1
Chloromethane	< 207	ug/kg	207	658	1	8260B		10/10/2012	CJR	1
2-Chlorotoluene	< 84	ug/kg	84	267	1	8260B		10/10/2012	CJR	1
4-Chlorotoluene	< 76	ug/kg	76	241	1	8260B		10/10/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 77	ug/kg	77	245	1	8260B		10/10/2012	CJR	1
Dibromochloromethane	< 9.5	ug/kg	9.5	30	1	8260B		10/10/2012	CJR	1
1,4-Dichlorobenzene	< 52	ug/kg	52	167	1	8260B		10/10/2012	CJR	1
1,3-Dichlorobenzene	< 53	ug/kg	53	170	1	8260B		10/10/2012	CJR	1
1,2-Dichlorobenzene	< 51	ug/kg	51	164	1	8260B		10/10/2012	CJR	1
Dichlorodifluoromethane	< 12	ug/kg	12	37	1	8260B		10/10/2012	CJR	1
1,2-Dichloroethane	< 13	ug/kg	13	42	1	8260B		10/10/2012	CJR	1
1,1-Dichloroethane	< 11	ug/kg	11	33	1	8260B		10/10/2012	CJR	1
1,1-Dichloroethene	< 22	ug/kg	22	69	1	8260B		10/10/2012	CJR	1
cis-1,2-Dichloroethene	25.8 "J"	ug/kg	14	44	1	8260B		10/10/2012	CJR	1
trans-1,2-Dichloroethene	< 22	ug/kg	22	69	1	8260B		10/10/2012	CJR	1
1,2-Dichloropropane	< 11	ug/kg	11	36	1	8260B		10/10/2012	CJR	1
2,2-Dichloropropane	< 33	ug/kg	33	104	1	8260B		10/10/2012	CJR	1
1,3-Dichloropropane	< 11	ug/kg	11	35	1	8260B		10/10/2012	CJR	1
Di-isopropyl ether	< 47	ug/kg	47	148	1	8260B		10/10/2012	CJR	1
EDB (1,2-Dibromoethane)	< 17	ug/kg	17	54	1	8260B		10/10/2012	CJR	1
Ethylbenzene	< 55	ug/kg	55	175	1	8260B		10/10/2012	CJR	1
Hexachlorobutadiene	< 95	ug/kg	95	303	1	8260B		10/10/2012	CJR	1
Isopropylbenzene	< 53	ug/kg	53	168	1	8260B		10/10/2012	CJR	1
p-Isopropyltoluene	< 45	ug/kg	45	143	1	8260B		10/10/2012	CJR	1
Methylene chloride	< 119	ug/kg	119	380	1	8260B		10/10/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 12	ug/kg	12	38	1	8260B		10/10/2012	CJR	1
Naphthalene	< 107	ug/kg	107	340	1	8260B		10/10/2012	CJR	1
n-Propylbenzene	< 53	ug/kg	53	169	1	8260B		10/10/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 20	ug/kg	20	64	1	8260B		10/10/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 41	ug/kg	41	132	1	8260B		10/10/2012	CJR	1
Tetrachloroethene	< 24	ug/kg	24	78	1	8260B		10/10/2012	CJR	1
Toluene	< 50	ug/kg	50	159	1	8260B		10/10/2012	CJR	1
1,2,4-Trichlorobenzene	< 74	ug/kg	74	237	1	8260B		10/10/2012	CJR	1
1,2,3-Trichlorobenzene	< 129	ug/kg	129	409	1	8260B		10/10/2012	CJR	1
1,1,1-Trichloroethane	< 11	ug/kg	11	34	1	8260B		10/10/2012	CJR	1
1,1,2-Trichloroethane	< 16	ug/kg	16	52	1	8260B		10/10/2012	CJR	1
Trichloroethene (TCE)	< 17	ug/kg	17	53	1	8260B		10/10/2012	CJR	1
Trichlorofluoromethane	< 43	ug/kg	43	137	1	8260B		10/10/2012	CJR	1
1,2,4-Trimethylbenzene	< 80	ug/kg	80	253	1	8260B		10/10/2012	CJR	1
1,3,5-Trimethylbenzene	< 48	ug/kg	48	151	1	8260B		10/10/2012	CJR	1
Vinyl Chloride	< 16	ug/kg	16	49	1	8260B		10/10/2012	CJR	1
m&p-Xylene	< 86	ug/kg	86	274	1	8260B		10/10/2012	CJR	1
o-Xylene	< 50	ug/kg	50	159	1	8260B		10/10/2012	CJR	1
SUR - Toluene-d8	98	Rec %			1	8260B		10/10/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	101	Rec %			1	8260B		10/10/2012	CJR	1
SUR - 4-Bromofluorobenzene	96	Rec %			1	8260B		10/10/2012	CJR	1
SUR - Dibromofluoromethane	91	Rec %			1	8260B		10/10/2012	CJR	1

Project Name FMR D-F INC.
Project # 13097

Invoice # E24349

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

<i>Code</i>	<i>Comment</i>
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature Michael J. Ricker

CHAIN OF CUSTODY RECORD



Chain # No 675

Page 1 of 1

Lab I.D. # _____
 Account No.: _____ Quote No.: _____
 Project #: 13097
 Sampler: (signature) Stacy Oszusick

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • FAX 920-733-0631

Sample Handling Request
 Rush Analysis Date Required _____
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Project (Name / Location): Former D-F Incorporated / St. Francis, WI
 Reports To: Kristin Kuzka Invoice To: SAME
 Company: Sigma Company: _____
 Address: 1300 W. Canal St. Address: _____
 City State Zip: MKE, WI 53233 City State Zip: _____
 Phone: 414-643-4200 Phone: _____
 FAX: 414-643-4210 FAX: _____

Analysis Requested

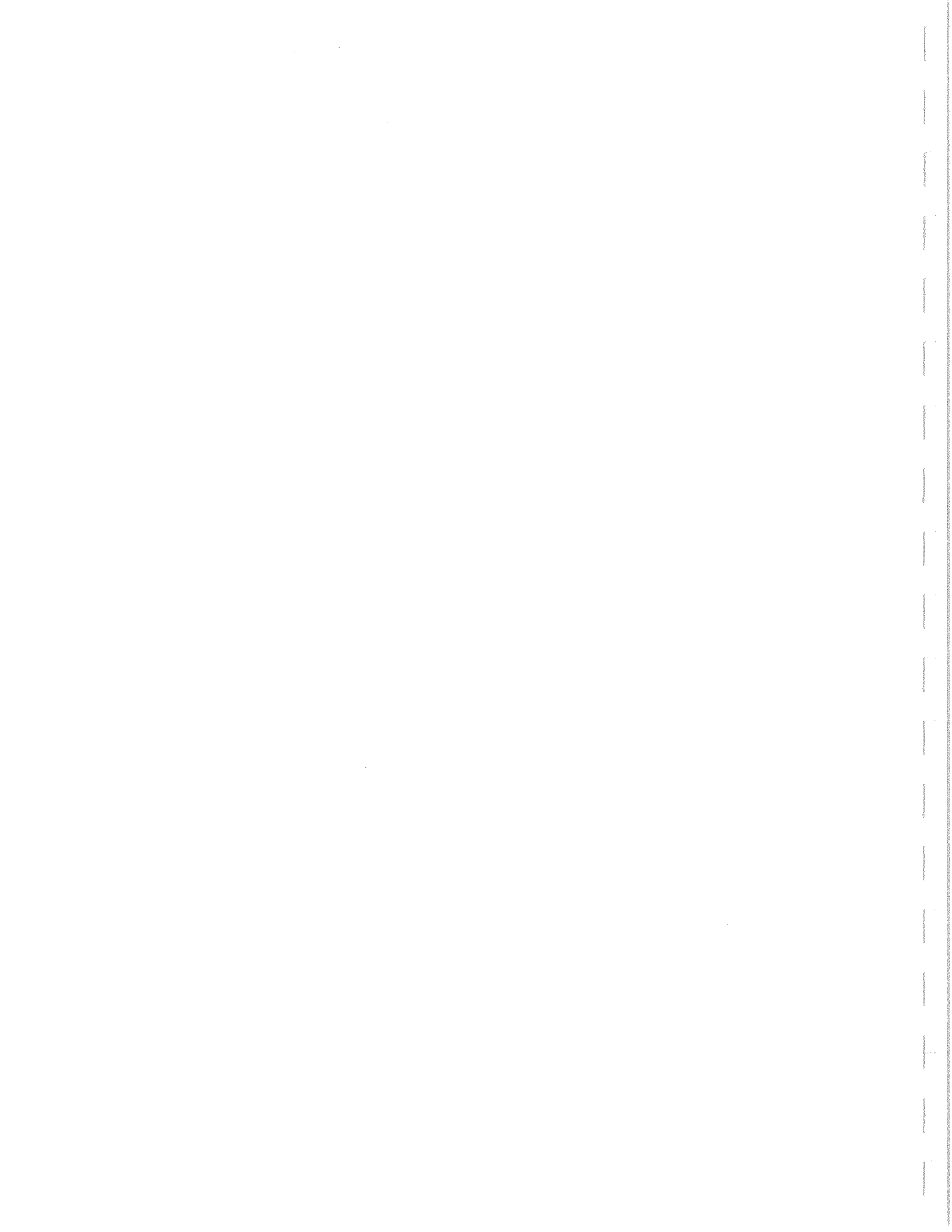
Other Analysis

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No of Containers	Sample Type (Matrix)*	Preservation	DRO (Met DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 8242)	VOC (EPA 8260)	8-PCPA METALS	PID/ FID	
		Date	Time																				
5024349A	BCF-5 (3-5-6-5)	10-2-12	11:20am		X	N	2	Soil	1-meth														
	B BCF-6 (3-6)	10-2-12	11:20pm		X	N	2	Soil	1-meth														

Comments/Special Instructions (* Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.
 Method of Shipment: Refrigerated
 Temp. of Temp. Blank: _____ °C On Ice:
 Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) Stacy Oszusick Time: 4pm Date: 10-2-12
 Received By: (sign) _____ Time: 8:00 Date: 10/2/12



Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

KRISTIN KURZKA
SIGMA ENVIRONMENTAL
1300 W. CANAL STREET
MILWAUKEE, WI 53233

Report Date 25-Sep-12

Project Name FMR D-F INC.
Project # 13097

Invoice # E24280

Lab Code 5024280A
Sample ID SGP-1 (9-10')
Sample Matrix Soil
Sample Date 9/17/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.0	%			1	5021		9/20/2012	MDK	1
Organic										
VOC's										
Benzene	< 890	ug/kg	8902800		100	8260B		9/20/2012	CJR	1
Bromobenzene	< 1400	ug/kg	1400	4300	100	8260B		9/20/2012	CJR	1
Bromodichloromethane	< 1200	ug/kg	1200	3700	100	8260B		9/20/2012	CJR	1
Bromoform	< 2000	ug/kg	2000	6200	100	8260B		9/20/2012	CJR	1
tert-Butylbenzene	< 5400	ug/kg	5400	17300	100	8260B		9/20/2012	CJR	1
sec-Butylbenzene	< 5100	ug/kg	5100	16200	100	8260B		9/20/2012	CJR	1
n-Butylbenzene	6600 "J"	ug/kg	4800	15200	100	8260B		9/20/2012	CJR	1
Carbon Tetrachloride	< 1200	ug/kg	1200	3900	100	8260B		9/20/2012	CJR	1
Chlorobenzene	< 940	ug/kg	9403000		100	8260B		9/20/2012	CJR	1
Chloroethane	< 14200	ug/kg	14200	45200	100	8260B		9/20/2012	CJR	1
Chloroform	< 4600	ug/kg	4600	14600	100	8260B		9/20/2012	CJR	1
Chloromethane	< 20700	ug/kg	20700	65800	100	8260B		9/20/2012	CJR	1
2-Chlorotoluene	< 8400	ug/kg	8400	26700	100	8260B		9/20/2012	CJR	1
4-Chlorotoluene	< 7600	ug/kg	7600	24100	100	8260B		9/20/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 7700	ug/kg	7700	24500	100	8260B		9/20/2012	CJR	1
Dibromochloromethane	< 950	ug/kg	9503000		100	8260B		9/20/2012	CJR	1
1,4-Dichlorobenzene	< 5200	ug/kg	5200	16700	100	8260B		9/20/2012	CJR	1
1,3-Dichlorobenzene	< 5300	ug/kg	5300	17000	100	8260B		9/20/2012	CJR	1
1,2-Dichlorobenzene	< 5100	ug/kg	5100	16400	100	8260B		9/20/2012	CJR	1
Dichlorodifluoromethane	< 1200	ug/kg	1200	3700	100	8260B		9/20/2012	CJR	1
1,2-Dichloroethane	< 1300	ug/kg	1300	4200	100	8260B		9/20/2012	CJR	1
1,1-Dichloroethane	< 1100	ug/kg	1100	3300	100	8260B		9/20/2012	CJR	1
1,1-Dichloroethene	< 2200	ug/kg	2200	6900	100	8260B		9/20/2012	CJR	1
cis-1,2-Dichloroethene	17400	ug/kg	1400	4400	100	8260B		9/20/2012	CJR	1
trans-1,2-Dichloroethene	< 2200	ug/kg	2200	6900	100	8260B		9/20/2012	CJR	1

Project Name FMR D-F INC.
Project # 13097

Invoice # E24280

Lab Code 5024280A
Sample ID SGP-1 (9-10')
Sample Matrix Soil
Sample Date 9/17/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 1100	ug/kg	1100	3600	100	8260B		9/20/2012	CJR	1
2,2-Dichloropropane	< 3300	ug/kg	3300	10400	100	8260B		9/20/2012	CJR	1
1,3-Dichloropropane	< 1100	ug/kg	1100	3500	100	8260B		9/20/2012	CJR	1
Di-isopropyl ether	< 4700	ug/kg	4700	14800	100	8260B		9/20/2012	CJR	1
EDB (1,2-Dibromoethane)	< 1700	ug/kg	1700	5400	100	8260B		9/20/2012	CJR	1
Ethylbenzene	17100 "J"	ug/kg	5500	17500	100	8260B		9/20/2012	CJR	1
Hexachlorobutadiene	< 9500	ug/kg	9500	30300	100	8260B		9/20/2012	CJR	1
Isopropylbenzene	< 5300	ug/kg	5300	16800	100	8260B		9/20/2012	CJR	1
p-Isopropyltoluene	< 4500	ug/kg	4500	14300	100	8260B		9/20/2012	CJR	1
Methylene chloride	< 11900	ug/kg	11900	38000	100	8260B		9/20/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 1200	ug/kg	1200	3800	100	8260B		9/20/2012	CJR	1
Naphthalene	< 10700	ug/kg	10700	34000	100	8260B		9/20/2012	CJR	1
n-Propylbenzene	< 5300	ug/kg	5300	16900	100	8260B		9/20/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 2000	ug/kg	2000	6400	100	8260B		9/20/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 4100	ug/kg	4100	13200	100	8260B		9/20/2012	CJR	1
Tetrachloroethene	2500 "J"	ug/kg	2400	7800	100	8260B		9/20/2012	CJR	1
Toluene	30400	ug/kg	5000	15900	100	8260B		9/20/2012	CJR	1
1,2,4-Trichlorobenzene	< 7400	ug/kg	7400	23700	100	8260B		9/20/2012	CJR	1
1,2,3-Trichlorobenzene	< 12900	ug/kg	12900	40900	100	8260B		9/20/2012	CJR	1
1,1,1-Trichloroethane	62000	ug/kg	1100	3400	100	8260B		9/20/2012	CJR	1
1,1,2-Trichloroethane	< 1600	ug/kg	1600	5200	100	8260B		9/20/2012	CJR	1
Trichloroethene (TCE)	3300 "J"	ug/kg	1700	5300	100	8260B		9/20/2012	CJR	1
Trichlorofluoromethane	< 4300	ug/kg	4300	13700	100	8260B		9/20/2012	CJR	1
1,2,4-Trimethylbenzene	29400	ug/kg	8000	25300	100	8260B		9/20/2012	CJR	1
1,3,5-Trimethylbenzene	7200 "J"	ug/kg	4800	15100	100	8260B		9/20/2012	CJR	1
Vinyl Chloride	< 1600	ug/kg	1600	4900	100	8260B		9/20/2012	CJR	1
m&p-Xylene	57000	ug/kg	8600	27400	100	8260B		9/20/2012	CJR	1
o-Xylene	23200	ug/kg	5000	15900	100	8260B		9/20/2012	CJR	1
SUR - Toluene-d8	95	Rec %			100	8260B		9/20/2012	CJR	1
SUR - Dibromofluoromethane	99	Rec %			100	8260B		9/20/2012	CJR	1
SUR - 4-Bromofluorobenzene	106	Rec %			100	8260B		9/20/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	100	Rec %			100	8260B		9/20/2012	CJR	1

Lab Code 5024280B
Sample ID SGP-2 (7.5-10')
Sample Matrix Soil
Sample Date 9/17/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.7	%			1	5021		9/20/2012	MDK	1
Organic										
VOC's										
Benzene	< 890	ug/kg	890	2800	100	8260B		9/21/2012	CJR	1
Bromobenzene	< 1400	ug/kg	1400	4300	100	8260B		9/21/2012	CJR	1
Bromodichloromethane	< 1200	ug/kg	1200	3700	100	8260B		9/21/2012	CJR	1
Bromoform	< 2000	ug/kg	2000	6200	100	8260B		9/21/2012	CJR	1
tert-Butylbenzene	< 5400	ug/kg	5400	17300	100	8260B		9/21/2012	CJR	1
sec-Butylbenzene	10400 "J"	ug/kg	5100	16200	100	8260B		9/21/2012	CJR	1
n-Butylbenzene	19900	ug/kg	4800	15200	100	8260B		9/21/2012	CJR	1
Carbon Tetrachloride	< 1200	ug/kg	1200	3900	100	8260B		9/21/2012	CJR	1

Project Name FMR D-F INC.
 Project # 13097

Invoice # E24280

Lab Code 5024280B
 Sample ID SGP-2 (7.5-10')
 Sample Matrix Soil
 Sample Date 9/17/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Chlorobenzene	< 940	ug/kg	9403000		100	8260B		9/21/2012	CJR	1
Chloroethane	< 14200	ug/kg	14200	45200	100	8260B		9/21/2012	CJR	1
Chloroform	< 4600	ug/kg	4600	14600	100	8260B		9/21/2012	CJR	1
Chloromethane	< 20700	ug/kg	20700	65800	100	8260B		9/21/2012	CJR	1
2-Chlorotoluene	< 8400	ug/kg	8400	26700	100	8260B		9/21/2012	CJR	1
4-Chlorotoluene	< 7600	ug/kg	7600	24100	100	8260B		9/21/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 7700	ug/kg	7700	24500	100	8260B		9/21/2012	CJR	1
Dibromochloromethane	< 950	ug/kg	9503000		100	8260B		9/21/2012	CJR	1
1,4-Dichlorobenzene	< 5200	ug/kg	5200	16700	100	8260B		9/21/2012	CJR	1
1,3-Dichlorobenzene	< 5300	ug/kg	5300	17000	100	8260B		9/21/2012	CJR	1
1,2-Dichlorobenzene	< 5100	ug/kg	5100	16400	100	8260B		9/21/2012	CJR	1
Dichlorodifluoromethane	< 1200	ug/kg	1200	3700	100	8260B		9/21/2012	CJR	1
1,2-Dichloroethane	< 1300	ug/kg	1300	4200	100	8260B		9/21/2012	CJR	1
1,1-Dichloroethane	4400	ug/kg	1100	3300	100	8260B		9/21/2012	CJR	1
1,1-Dichloroethene	< 2200	ug/kg	2200	6900	100	8260B		9/21/2012	CJR	1
cis-1,2-Dichloroethene	116000	ug/kg	1400	4400	100	8260B		9/21/2012	CJR	1
trans-1,2-Dichloroethene	< 2200	ug/kg	2200	6900	100	8260B		9/21/2012	CJR	1
1,2-Dichloropropane	< 1100	ug/kg	1100	3600	100	8260B		9/21/2012	CJR	1
2,2-Dichloropropane	< 3300	ug/kg	3300	10400	100	8260B		9/21/2012	CJR	1
1,3-Dichloropropane	< 1100	ug/kg	1100	3500	100	8260B		9/21/2012	CJR	1
Di-isopropyl ether	< 4700	ug/kg	4700	14800	100	8260B		9/21/2012	CJR	1
EDB (1,2-Dibromoethane)	< 1700	ug/kg	1700	5400	100	8260B		9/21/2012	CJR	1
Ethylbenzene	106000	ug/kg	5500	17500	100	8260B		9/21/2012	CJR	1
Hexachlorobutadiene	< 9500	ug/kg	9500	30300	100	8260B		9/21/2012	CJR	1
Isopropylbenzene	9600 "J"	ug/kg	5300	16800	100	8260B		9/21/2012	CJR	1
p-Isopropyltoluene	11500 "J"	ug/kg	4500	14300	100	8260B		9/21/2012	CJR	1
Methylene chloride	< 11900	ug/kg	11900	38000	100	8260B		9/21/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 1200	ug/kg	1200	3800	100	8260B		9/21/2012	CJR	1
Naphthalene	14700 "J"	ug/kg	10700	34000	100	8260B		9/21/2012	CJR	1
n-Propylbenzene	18800	ug/kg	5300	16900	100	8260B		9/21/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 2000	ug/kg	2000	6400	100	8260B		9/21/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 4100	ug/kg	4100	13200	100	8260B		9/21/2012	CJR	1
Tetrachloroethene	4200 "J"	ug/kg	2400	7800	100	8260B		9/21/2012	CJR	1
Toluene	126000	ug/kg	5000	15900	100	8260B		9/21/2012	CJR	1
1,2,4-Trichlorobenzene	< 7400	ug/kg	7400	23700	100	8260B		9/21/2012	CJR	1
1,2,3-Trichlorobenzene	< 12900	ug/kg	12900	40900	100	8260B		9/21/2012	CJR	1
1,1,1-Trichloroethane	3400 "J"	ug/kg	1100	3400	100	8260B		9/21/2012	CJR	1
1,1,2-Trichloroethane	< 1600	ug/kg	1600	5200	100	8260B		9/21/2012	CJR	1
Trichloroethene (TCE)	< 1700	ug/kg	1700	5300	100	8260B		9/21/2012	CJR	1
Trichlorofluoromethane	< 4300	ug/kg	4300	13700	100	8260B		9/21/2012	CJR	1
1,2,4-Trimethylbenzene	112000	ug/kg	8000	25300	100	8260B		9/21/2012	CJR	1
1,3,5-Trimethylbenzene	34000	ug/kg	4800	15100	100	8260B		9/21/2012	CJR	1
Vinyl Chloride	11300	ug/kg	1600	4900	100	8260B		9/21/2012	CJR	1
m&p-Xylene	301000	ug/kg	8600	27400	100	8260B		9/21/2012	CJR	1
o-Xylene	114000	ug/kg	5000	15900	100	8260B		9/21/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	99	Rec %			100	8260B		9/21/2012	CJR	1
SUR - 4-Bromofluorobenzene	108	Rec %			100	8260B		9/21/2012	CJR	1
SUR - Dibromofluoromethane	94	Rec %			100	8260B		9/21/2012	CJR	1
SUR - Toluene-d8	97	Rec %			100	8260B		9/21/2012	CJR	1

Project Name FMR D-F INC.
 Project # 13097

Invoice # E24280

Lab Code 5024280C
 Sample ID SMW-3 (9-10')
 Sample Matrix Soil
 Sample Date 9/17/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	79.8	%			1	5021		9/20/2012	MDK	1
Organic										
VOC's										
Benzene	< 890	ug/kg	8902800		100	8260B		9/21/2012	CJR	1
Bromobenzene	< 1400	ug/kg	1400	4300	100	8260B		9/21/2012	CJR	1
Bromodichloromethane	< 1200	ug/kg	1200	3700	100	8260B		9/21/2012	CJR	1
Bromoform	< 2000	ug/kg	2000	6200	100	8260B		9/21/2012	CJR	1
tert-Butylbenzene	< 5400	ug/kg	5400	17300	100	8260B		9/21/2012	CJR	1
sec-Butylbenzene	< 5100	ug/kg	5100	16200	100	8260B		9/21/2012	CJR	1
n-Butylbenzene	8000 "J"	ug/kg	4800	15200	100	8260B		9/21/2012	CJR	1
Carbon Tetrachloride	< 1200	ug/kg	1200	3900	100	8260B		9/21/2012	CJR	1
Chlorobenzene	< 940	ug/kg	9403000		100	8260B		9/21/2012	CJR	1
Chloroethane	< 14200	ug/kg	14200	45200	100	8260B		9/21/2012	CJR	1
Chloroform	< 4600	ug/kg	4600	14600	100	8260B		9/21/2012	CJR	1
Chloromethane	< 20700	ug/kg	20700	65800	100	8260B		9/21/2012	CJR	1
2-Chlorotoluene	< 8400	ug/kg	8400	26700	100	8260B		9/21/2012	CJR	1
4-Chlorotoluene	< 7600	ug/kg	7600	24100	100	8260B		9/21/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 7700	ug/kg	7700	24500	100	8260B		9/21/2012	CJR	1
Dibromochloromethane	< 950	ug/kg	9503000		100	8260B		9/21/2012	CJR	1
1,4-Dichlorobenzene	< 5200	ug/kg	5200	16700	100	8260B		9/21/2012	CJR	1
1,3-Dichlorobenzene	< 5300	ug/kg	5300	17000	100	8260B		9/21/2012	CJR	1
1,2-Dichlorobenzene	< 5100	ug/kg	5100	16400	100	8260B		9/21/2012	CJR	1
Dichlorodifluoromethane	< 1200	ug/kg	1200	3700	100	8260B		9/21/2012	CJR	1
1,2-Dichloroethane	2220 "J"	ug/kg	1300	4200	100	8260B		9/21/2012	CJR	1
1,1-Dichloroethane	11900	ug/kg	1100	3300	100	8260B		9/21/2012	CJR	1
1,1-Dichloroethene	2900 "J"	ug/kg	2200	6900	100	8260B		9/21/2012	CJR	1
cis-1,2-Dichloroethene	264000	ug/kg	1400	4400	100	8260B		9/21/2012	CJR	1
trans-1,2-Dichloroethene	< 2200	ug/kg	2200	6900	100	8260B		9/21/2012	CJR	1
1,2-Dichloropropane	< 1100	ug/kg	1100	3600	100	8260B		9/21/2012	CJR	1
2,2-Dichloropropane	< 3300	ug/kg	3300	10400	100	8260B		9/21/2012	CJR	1
1,3-Dichloropropane	< 1100	ug/kg	1100	3500	100	8260B		9/21/2012	CJR	1
Di-isopropyl ether	< 4700	ug/kg	4700	14800	100	8260B		9/21/2012	CJR	1
EDB (1,2-Dibromoethane)	< 1700	ug/kg	1700	5400	100	8260B		9/21/2012	CJR	1
Ethylbenzene	55000	ug/kg	5500	17500	100	8260B		9/21/2012	CJR	1
Hexachlorobutadiene	< 9500	ug/kg	9500	30300	100	8260B		9/21/2012	CJR	1
Isopropylbenzene	< 5300	ug/kg	5300	16800	100	8260B		9/21/2012	CJR	1
p-Isopropyltoluene	< 4500	ug/kg	4500	14300	100	8260B		9/21/2012	CJR	1
Methylene chloride	< 11900	ug/kg	11900	38000	100	8260B		9/21/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 1200	ug/kg	1200	3800	100	8260B		9/21/2012	CJR	1
Naphthalene	11100 "J"	ug/kg	10700	34000	100	8260B		9/21/2012	CJR	1
n-Propylbenzene	8100 "J"	ug/kg	5300	16900	100	8260B		9/21/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 2000	ug/kg	2000	6400	100	8260B		9/21/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 4100	ug/kg	4100	13200	100	8260B		9/21/2012	CJR	1
Tetrachloroethene	390000	ug/kg	2400	7800	100	8260B		9/21/2012	CJR	1
Toluene	70000	ug/kg	5000	15900	100	8260B		9/21/2012	CJR	1
1,2,4-Trichlorobenzene	< 7400	ug/kg	7400	23700	100	8260B		9/21/2012	CJR	1
1,2,3-Trichlorobenzene	< 12900	ug/kg	12900	40900	100	8260B		9/21/2012	CJR	1
1,1,1-Trichloroethane	305000	ug/kg	1100	3400	100	8260B		9/21/2012	CJR	1
1,1,2-Trichloroethane	< 1600	ug/kg	1600	5200	100	8260B		9/21/2012	CJR	1

Project Name FMR D-F INC.
 Project # 13097

Invoice # E24280

Lab Code 5024280C
 Sample ID SMW-3 (9-10')
 Sample Matrix Soil
 Sample Date 9/17/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichloroethene (TCE)	330000	ug/kg	1700	5300	100	8260B		9/21/2012	CJR	1
Trichlorofluoromethane	< 4300	ug/kg	4300	13700	100	8260B		9/21/2012	CJR	1
1,2,4-Trimethylbenzene	59000	ug/kg	8000	25300	100	8260B		9/21/2012	CJR	1
1,3,5-Trimethylbenzene	16000	ug/kg	4800	15100	100	8260B		9/21/2012	CJR	1
Vinyl Chloride	2590 "J"	ug/kg	1600	4900	100	8260B		9/21/2012	CJR	1
m&p-Xylene	198000	ug/kg	8600	27400	100	8260B		9/21/2012	CJR	1
o-Xylene	71000	ug/kg	5000	15900	100	8260B		9/21/2012	CJR	1
SUR - 4-Bromofluorobenzene	103	Rec %			100	8260B		9/21/2012	CJR	1
SUR - Dibromofluoromethane	96	Rec %			100	8260B		9/21/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	103	Rec %			100	8260B		9/21/2012	CJR	1
SUR - Toluene-d8	93	Rec %			100	8260B		9/21/2012	CJR	1

Lab Code 5024280D
 Sample ID SMW-4 (9-10')
 Sample Matrix Soil
 Sample Date 9/17/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	77.3	%			1	5021		9/20/2012	MDK	1
Organic										
VOC's										
Benzene	< 890	ug/kg	8902800		100	8260B		9/21/2012	CJR	1
Bromobenzene	< 1400	ug/kg	1400	4300	100	8260B		9/21/2012	CJR	1
Bromodichloromethane	< 1200	ug/kg	1200	3700	100	8260B		9/21/2012	CJR	1
Bromoform	< 2000	ug/kg	2000	6200	100	8260B		9/21/2012	CJR	1
tert-Butylbenzene	< 5400	ug/kg	5400	17300	100	8260B		9/21/2012	CJR	1
sec-Butylbenzene	6800 "J"	ug/kg	5100	16200	100	8260B		9/21/2012	CJR	1
n-Butylbenzene	13900 "J"	ug/kg	4800	15200	100	8260B		9/21/2012	CJR	1
Carbon Tetrachloride	< 1200	ug/kg	1200	3900	100	8260B		9/21/2012	CJR	1
Chlorobenzene	< 940	ug/kg	9403000		100	8260B		9/21/2012	CJR	1
Chloroethane	< 14200	ug/kg	14200	45200	100	8260B		9/21/2012	CJR	1
Chloroform	< 4600	ug/kg	4600	14600	100	8260B		9/21/2012	CJR	1
Chloromethane	< 20700	ug/kg	20700	65800	100	8260B		9/21/2012	CJR	1
2-Chlorotoluene	< 8400	ug/kg	8400	26700	100	8260B		9/21/2012	CJR	1
4-Chlorotoluene	< 7600	ug/kg	7600	24100	100	8260B		9/21/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 7700	ug/kg	7700	24500	100	8260B		9/21/2012	CJR	1
Dibromochloromethane	< 950	ug/kg	9503000		100	8260B		9/21/2012	CJR	1
1,4-Dichlorobenzene	< 5200	ug/kg	5200	16700	100	8260B		9/21/2012	CJR	1
1,3-Dichlorobenzene	< 5300	ug/kg	5300	17000	100	8260B		9/21/2012	CJR	1
1,2-Dichlorobenzene	< 5100	ug/kg	5100	16400	100	8260B		9/21/2012	CJR	1
Dichlorodifluoromethane	< 1200	ug/kg	1200	3700	100	8260B		9/21/2012	CJR	1
1,2-Dichloroethane	< 1300	ug/kg	1300	4200	100	8260B		9/21/2012	CJR	1
1,1-Dichloroethane	< 1100	ug/kg	1100	3300	100	8260B		9/21/2012	CJR	1
1,1-Dichloroethene	< 2200	ug/kg	2200	6900	100	8260B		9/21/2012	CJR	1
cis-1,2-Dichloroethene	3300 "J"	ug/kg	1400	4400	100	8260B		9/21/2012	CJR	1
trans-1,2-Dichloroethene	< 2200	ug/kg	2200	6900	100	8260B		9/21/2012	CJR	1
1,2-Dichloropropane	< 1100	ug/kg	1100	3600	100	8260B		9/21/2012	CJR	1
2,2-Dichloropropane	< 3300	ug/kg	3300	10400	100	8260B		9/21/2012	CJR	1
1,3-Dichloropropane	< 1100	ug/kg	1100	3500	100	8260B		9/21/2012	CJR	1
Di-isopropyl ether	< 4700	ug/kg	4700	14800	100	8260B		9/21/2012	CJR	1

Project Name FMR D-F INC.
 Project # 13097

Invoice # E24280

Lab Code 5024280D
 Sample ID SMW-4 (9-10')
 Sample Matrix Soil
 Sample Date 9/17/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 1700	ug/kg	1700	5400	100	8260B		9/21/2012	CJR	1
Ethylbenzene	21300	ug/kg	5500	17500	100	8260B		9/21/2012	CJR	1
Hexachlorobutadiene	< 9500	ug/kg	9500	30300	100	8260B		9/21/2012	CJR	1
Isopropylbenzene	< 5300	ug/kg	5300	16800	100	8260B		9/21/2012	CJR	1
p-Isopropyltoluene	5300 "J"	ug/kg	4500	14300	100	8260B		9/21/2012	CJR	1
Methylene chloride	< 11900	ug/kg	11900	38000	100	8260B		9/21/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 1200	ug/kg	1200	3800	100	8260B		9/21/2012	CJR	1
Naphthalene	16000 "J"	ug/kg	10700	34000	100	8260B		9/21/2012	CJR	1
n-Propylbenzene	10400 "J"	ug/kg	5300	16900	100	8260B		9/21/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 2000	ug/kg	2000	6400	100	8260B		9/21/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 4100	ug/kg	4100	13200	100	8260B		9/21/2012	CJR	1
Tetrachloroethane	4200 "J"	ug/kg	2400	7800	100	8260B		9/21/2012	CJR	1
Toluene	11700 "J"	ug/kg	5000	15900	100	8260B		9/21/2012	CJR	1
1,2,4-Trichlorobenzene	< 7400	ug/kg	7400	23700	100	8260B		9/21/2012	CJR	1
1,2,3-Trichlorobenzene	< 12900	ug/kg	12900	40900	100	8260B		9/21/2012	CJR	1
1,1,1-Trichloroethane	2150 "J"	ug/kg	1100	3400	100	8260B		9/21/2012	CJR	1
1,1,2-Trichloroethane	< 1600	ug/kg	1600	5200	100	8260B		9/21/2012	CJR	1
Trichloroethene (TCE)	3400 "J"	ug/kg	1700	5300	100	8260B		9/21/2012	CJR	1
Trichlorofluoromethane	< 4300	ug/kg	4300	13700	100	8260B		9/21/2012	CJR	1
1,2,4-Trimethylbenzene	49000	ug/kg	8000	25300	100	8260B		9/21/2012	CJR	1
1,3,5-Trimethylbenzene	14300 "J"	ug/kg	4800	15100	100	8260B		9/21/2012	CJR	1
Vinyl Chloride	< 1600	ug/kg	1600	4900	100	8260B		9/21/2012	CJR	1
m&p-Xylene	70000	ug/kg	8600	27400	100	8260B		9/21/2012	CJR	1
o-Xylene	21900	ug/kg	5000	15900	100	8260B		9/21/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	93	Rec %			100	8260B		9/21/2012	CJR	1
SUR - 4-Bromofluorobenzene	109	Rec %			100	8260B		9/21/2012	CJR	1
SUR - Dibromofluoromethane	92	Rec %			100	8260B		9/21/2012	CJR	1
SUR - Toluene-d8	98	Rec %			100	8260B		9/21/2012	CJR	1

Lab Code 5024280E
 Sample ID DUP
 Sample Matrix Soil
 Sample Date 9/17/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	82.0	%			1	5021		9/20/2012	MDK	1
Organic										
VOC's										
Benzene	< 890	ug/kg	890	2800	100	8260B		9/21/2012	CJR	1
Bromobenzene	< 1400	ug/kg	1400	4300	100	8260B		9/21/2012	CJR	1
Bromodichloromethane	< 1200	ug/kg	1200	3700	100	8260B		9/21/2012	CJR	1
Bromoform	< 2000	ug/kg	2000	6200	100	8260B		9/21/2012	CJR	1
tert-Butylbenzene	< 5400	ug/kg	5400	17300	100	8260B		9/21/2012	CJR	1
sec-Butylbenzene	< 5100	ug/kg	5100	16200	100	8260B		9/21/2012	CJR	1
n-Butylbenzene	4900 "J"	ug/kg	4800	15200	100	8260B		9/21/2012	CJR	1
Carbon Tetrachloride	< 1200	ug/kg	1200	3900	100	8260B		9/21/2012	CJR	1
Chlorobenzene	< 940	ug/kg	940	3000	100	8260B		9/21/2012	CJR	1
Chloroethane	< 14200	ug/kg	14200	45200	100	8260B		9/21/2012	CJR	1
Chloroform	< 4600	ug/kg	4600	14600	100	8260B		9/21/2012	CJR	1
Chloromethane	< 20700	ug/kg	20700	65800	100	8260B		9/21/2012	CJR	1

Project Name FMR D-F INC.
 Project # 13097

Invoice # E24280

Lab Code 5024280E
 Sample ID DUP
 Sample Matrix Soil
 Sample Date 9/17/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
2-Chlorotoluene	< 8400	ug/kg	8400	26700	100	8260B		9/21/2012	CJR	1
4-Chlorotoluene	< 7600	ug/kg	7600	24100	100	8260B		9/21/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 7700	ug/kg	7700	24500	100	8260B		9/21/2012	CJR	1
Dibromochloromethane	< 950	ug/kg	9503000		100	8260B		9/21/2012	CJR	1
1,4-Dichlorobenzene	< 5200	ug/kg	5200	16700	100	8260B		9/21/2012	CJR	1
1,3-Dichlorobenzene	< 5300	ug/kg	5300	17000	100	8260B		9/21/2012	CJR	1
1,2-Dichlorobenzene	< 5100	ug/kg	5100	16400	100	8260B		9/21/2012	CJR	1
Dichlorodifluoromethane	< 1200	ug/kg	1200	3700	100	8260B		9/21/2012	CJR	1
1,2-Dichloroethane	< 1300	ug/kg	1300	4200	100	8260B		9/21/2012	CJR	1
1,1-Dichloroethane	< 1100	ug/kg	1100	3300	100	8260B		9/21/2012	CJR	1
1,1-Dichloroethene	< 2200	ug/kg	2200	6900	100	8260B		9/21/2012	CJR	1
cis-1,2-Dichloroethene	5700	ug/kg	1400	4400	100	8260B		9/21/2012	CJR	1
trans-1,2-Dichloroethene	< 2200	ug/kg	2200	6900	100	8260B		9/21/2012	CJR	1
1,2-Dichloropropane	< 1100	ug/kg	1100	3600	100	8260B		9/21/2012	CJR	1
2,2-Dichloropropane	< 3300	ug/kg	3300	10400	100	8260B		9/21/2012	CJR	1
1,3-Dichloropropane	< 1100	ug/kg	1100	3500	100	8260B		9/21/2012	CJR	1
Di-isopropyl ether	< 4700	ug/kg	4700	14800	100	8260B		9/21/2012	CJR	1
EDB (1,2-Dibromoethane)	< 1700	ug/kg	1700	5400	100	8260B		9/21/2012	CJR	1
Ethylbenzene	11900 "J"	ug/kg	5500	17500	100	8260B		9/21/2012	CJR	1
Hexachlorobutadiene	< 9500	ug/kg	9500	30300	100	8260B		9/21/2012	CJR	1
Isopropylbenzene	< 5300	ug/kg	5300	16800	100	8260B		9/21/2012	CJR	1
p-Isopropyltoluene	< 4500	ug/kg	4500	14300	100	8260B		9/21/2012	CJR	1
Methylene chloride	< 11900	ug/kg	11900	38000	100	8260B		9/21/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 1200	ug/kg	1200	3800	100	8260B		9/21/2012	CJR	1
Naphthalene	< 10700	ug/kg	10700	34000	100	8260B		9/21/2012	CJR	1
n-Propylbenzene	< 5300	ug/kg	5300	16900	100	8260B		9/21/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 2000	ug/kg	2000	6400	100	8260B		9/21/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 4100	ug/kg	4100	13200	100	8260B		9/21/2012	CJR	1
Tetrachloroethene	4800 "J"	ug/kg	2400	7800	100	8260B		9/21/2012	CJR	1
Toluene	14100 "J"	ug/kg	5000	15900	100	8260B		9/21/2012	CJR	1
1,2,4-Trichlorobenzene	< 7400	ug/kg	7400	23700	100	8260B		9/21/2012	CJR	1
1,2,3-Trichlorobenzene	< 12900	ug/kg	12900	40900	100	8260B		9/21/2012	CJR	1
1,1,1-Trichloroethane	20400	ug/kg	1100	3400	100	8260B		9/21/2012	CJR	1
1,1,2-Trichloroethane	< 1600	ug/kg	1600	5200	100	8260B		9/21/2012	CJR	1
Trichloroethene (TCE)	2770 "J"	ug/kg	1700	5300	100	8260B		9/21/2012	CJR	1
Trichlorofluoromethane	< 4300	ug/kg	4300	13700	100	8260B		9/21/2012	CJR	1
1,2,4-Trimethylbenzene	24700 "J"	ug/kg	8000	25300	100	8260B		9/21/2012	CJR	1
1,3,5-Trimethylbenzene	6300 "J"	ug/kg	4800	15100	100	8260B		9/21/2012	CJR	1
Vinyl Chloride	< 1600	ug/kg	1600	4900	100	8260B		9/21/2012	CJR	1
m&p-Xylene	38000	ug/kg	8600	27400	100	8260B		9/21/2012	CJR	1
o-Xylene	16200	ug/kg	5000	15900	100	8260B		9/21/2012	CJR	1
SUR - Toluene-d8	94	Rec %			100	8260B		9/21/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	99	Rec %			100	8260B		9/21/2012	CJR	1
SUR - 4-Bromofluorobenzene	104	Rec %			100	8260B		9/21/2012	CJR	1
SUR - Dibromofluoromethane	95	Rec %			100	8260B		9/21/2012	CJR	1

Project Name FMR D-F INC.
Project # 13097

Invoice # E24280

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

<i>Code</i>	<i>Comment</i>
1	Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature Michael J. Ricker

CHAIN OF CUSTODY RECORD

Synergy

Chain # N^o : 442

Page 1 of 1

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request
Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No.: _____ Quote No.: _____
Project #: 13097
Sampler: (signature) *Stacy Orzelski*

Project (Name / Location): Former DE Incorporated / St. Francis, WI

Analysis Requested		Other Analysis	
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD
NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE
SULFATE	VOC DW (EPA 5242)	VOC (EPA 8260)	8-PCRA METALS

Reports To: *Kristin Kurzka* Invoice To: *SAME*
Company: *Sigma* Company: *SAME*
Address: *1300 West Canal St.* Address: _____
City State Zip: *MKE, WI 53233* City State Zip: _____
Phone: *414-643-4200* Phone: _____
FAX: *414-643-4210* FAX: _____

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	VOC DW (EPA 5242)	VOC (EPA 8260)	8-PCRA METALS	PID	FID	
<i>E-024200A</i>	<i>SGR-1 (9-10')</i>	<i>9-17-12</i>	<i>9am</i>		<i>X</i>	<i>N</i>	<i>2</i>	<i>Soil</i>	<i>1-meth</i>														<i>399</i>	<i>593</i>
	<i>B SGR-2 (7.5-10')</i>		<i>10am</i>		<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>														<i>635</i>	<i>278</i>
	<i>C BMW-3 (9-10')</i>		<i>11am</i>		<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>															
	<i>D BMW-4 (9-10')</i>		<i>12pm</i>		<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>	<i>↓</i>															
	<i>E DUP.</i>	<i>9-17-12</i>			<i>X</i>	<i>N</i>	<i>2</i>	<i>Soil</i>	<i>1-meth</i>															<i>—</i>

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Samples are hot.

Sample Integrity - To be completed by receiving lab

Method of Shipment: *Durban*

Temp. of Temp. Blank: _____ C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *Stacy Orzelski* Time: *10:50am* Date: *9-18-12*

Received By: (sign) _____ Time: *8:00* Date: *9/19/12*

Received in Laboratory By: *Christina P...* Time: _____ Date: _____

APPENDIX E
Laboratory Reports – Water

Synergy Environmental Lab, INC.

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

KRISTEN KURZKA
SIGMA ENVIRONMENTAL
1300 W. CANAL STREET
MILWAUKEE, WI 53233

Report Date 25-Oct-12

Project Name FMR DF
Project # 13097

Invoice # E24406

Lab Code 5024406A
Sample ID SMW-3
Sample Matrix Water
Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 250	ug/l	250	800	500	8260B		10/24/2012	CJR	1
Bromobenzene	< 370	ug/l	3701200		500	8260B		10/24/2012	CJR	1
Bromodichloromethane	< 340	ug/l	3401100		500	8260B		10/24/2012	CJR	1
Bromoform	< 215	ug/l	215	700	500	8260B		10/24/2012	CJR	1
tert-Butylbenzene	< 355	ug/l	3551150		500	8260B		10/24/2012	CJR	1
sec-Butylbenzene	< 500	ug/l	5001650		500	8260B		10/24/2012	CJR	1
n-Butylbenzene	< 450	ug/l	4501450		500	8260B		10/24/2012	CJR	1
Carbon Tetrachloride	< 235	ug/l	235	750	500	8260B		10/24/2012	CJR	1
Chlorobenzene	< 255	ug/l	255	800	500	8260B		10/24/2012	CJR	1
Chloroethane	< 700	ug/l	7002250		500	8260B		10/24/2012	CJR	1
Chloroform	< 245	ug/l	245	750	500	8260B		10/24/2012	CJR	1
Chloromethane	< 950	ug/l	9503050		500	8260B		10/24/2012	CJR	1
2-Chlorotoluene	< 350	ug/l	3501100		500	8260B		10/24/2012	CJR	1
4-Chlorotoluene	< 220	ug/l	220	700	500	8260B		10/24/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 1400	ug/l	1400	4450	500	8260B		10/24/2012	CJR	1
Dibromochloromethane	< 275	ug/l	275	900	500	8260B		10/24/2012	CJR	1
1,4-Dichlorobenzene	< 490	ug/l	4901550		500	8260B		10/24/2012	CJR	1
1,3-Dichlorobenzene	< 435	ug/l	4351400		500	8260B		10/24/2012	CJR	1
1,2-Dichlorobenzene	< 380	ug/l	3801200		500	8260B		10/24/2012	CJR	1
Dichlorodifluoromethane	< 900	ug/l	9002950		500	8260B		10/24/2012	CJR	1
1,2-Dichloroethane	320 "J"	ug/l	250	800	500	8260B		10/24/2012	CJR	1
1,1-Dichloroethane	1840	ug/l	4901550		500	8260B		10/24/2012	CJR	1
1,1-Dichloroethene	< 300	ug/l	300	950	500	8260B		10/24/2012	CJR	1
cis-1,2-Dichloroethene	31100	ug/l	3701200		500	8260B		10/24/2012	CJR	1
trans-1,2-Dichloroethene	< 395	ug/l	3951250		500	8260B		10/24/2012	CJR	1
1,2-Dichloropropane	< 200	ug/l	200	650	500	8260B		10/24/2012	CJR	1
2,2-Dichloropropane	< 950	ug/l	9502950		500	8260B		10/24/2012	CJR	8
1,3-Dichloropropane	< 355	ug/l	3551150		500	8260B		10/24/2012	CJR	1
Di-isopropyl ether	< 345	ug/l	3451100		500	8260B		10/24/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406A
 Sample ID SMW-3
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 315	ug/l	3151000		500	8260B		10/24/2012	CJR	1
Ethylbenzene	950 "J"	ug/l	3901250		500	8260B		10/24/2012	CJR	1
Hexachlorobutadiene	< 1100	ug/l	1100	3400	500	8260B		10/24/2012	CJR	1
Isopropylbenzene	< 460	ug/l	4601450		500	8260B		10/24/2012	CJR	1
p-Isopropyltoluene	< 460	ug/l	4601450		500	8260B		10/24/2012	CJR	1
Methylene chloride	< 550	ug/l	5501700		500	8260B		10/24/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 400	ug/l	4001250		500	8260B		10/24/2012	CJR	1
Naphthalene	< 1050	ug/l	1050	3400	500	8260B		10/24/2012	CJR	1
n-Propylbenzene	< 295	ug/l	295	950	500	8260B		10/24/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 265	ug/l	265	850	500	8260B		10/24/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 500	ug/l	5001600		500	8260B		10/24/2012	CJR	1
Tetrachloroethene	820	ug/l	220	700	500	8260B		10/24/2012	CJR	1
Toluene	2500	ug/l	265	850	500	8260B		10/24/2012	CJR	1
1,2,4-Trichlorobenzene	< 750	ug/l	7502300		500	8260B		10/24/2012	CJR	1
1,2,3-Trichlorobenzene	< 650	ug/l	6502100		500	8260B		10/24/2012	CJR	1
1,1,1-Trichloroethane	6700	ug/l	4251350		500	8260B		10/24/2012	CJR	1
1,1,2-Trichloroethane	< 235	ug/l	235	750	500	8260B		10/24/2012	CJR	1
Trichloroethene (TCE)	1600	ug/l	235	750	500	8260B		10/24/2012	CJR	1
Trichlorofluoromethane	< 850	ug/l	8502650		500	8260B		10/24/2012	CJR	1
1,2,4-Trimethylbenzene	440 "J"	ug/l	4001250		500	8260B		10/24/2012	CJR	1
1,3,5-Trimethylbenzene	< 370	ug/l	3701200		500	8260B		10/24/2012	CJR	1
Vinyl Chloride	9700	ug/l	90	280	500	8260B		10/24/2012	CJR	1
m&p-Xylene	3400	ug/l	5501750		500	8260B		10/24/2012	CJR	1
o-Xylene	1390	ug/l	4001300		500	8260B		10/24/2012	CJR	1
SUR - Toluene-d8	105	REC %			500	8260B		10/24/2012	CJR	1
SUR - Dibromofluoromethane	99	REC %			500	8260B		10/24/2012	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			500	8260B		10/24/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			500	8260B		10/24/2012	CJR	1

Lab Code 5024406B
 Sample ID SMW-4
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	5.8 "J"	ug/l	5	16	10	8260B		10/25/2012	CJR	1
Bromobenzene	< 7.4	ug/l	7.4	24	10	8260B		10/25/2012	CJR	1
Bromodichloromethane	< 6.8	ug/l	6.8	22	10	8260B		10/25/2012	CJR	1
Bromoform	< 4.3	ug/l	4.3	14	10	8260B		10/25/2012	CJR	1
tert-Butylbenzene	< 7.1	ug/l	7.1	23	10	8260B		10/25/2012	CJR	1
sec-Butylbenzene	< 10	ug/l	10	33	10	8260B		10/25/2012	CJR	1
n-Butylbenzene	17.9 "J"	ug/l	9	29	10	8260B		10/25/2012	CJR	1
Carbon Tetrachloride	< 4.7	ug/l	4.7	15	10	8260B		10/25/2012	CJR	1
Chlorobenzene	< 5.1	ug/l	5.1	16	10	8260B		10/25/2012	CJR	1
Chloroethane	48	ug/l	14	45	10	8260B		10/25/2012	CJR	1
Chloroform	< 4.9	ug/l	4.9	15	10	8260B		10/25/2012	CJR	1
Chloromethane	< 19	ug/l	19	61	10	8260B		10/25/2012	CJR	1
2-Chlorotoluene	< 7	ug/l	7	22	10	8260B		10/25/2012	CJR	1
4-Chlorotoluene	< 4.4	ug/l	4.4	14	10	8260B		10/25/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 28	ug/l	28	89	10	8260B		10/25/2012	CJR	1
Dibromochloromethane	< 5.5	ug/l	5.5	18	10	8260B		10/25/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406B
 Sample ID SMW-4
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,4-Dichlorobenzene	< 9.8	ug/l	9.8	31	10	8260B		10/25/2012	CJR	1
1,3-Dichlorobenzene	< 8.7	ug/l	8.7	28	10	8260B		10/25/2012	CJR	1
1,2-Dichlorobenzene	< 7.6	ug/l	7.6	24	10	8260B		10/25/2012	CJR	1
Dichlorodifluoromethane	< 18	ug/l	18	59	10	8260B		10/25/2012	CJR	1
1,2-Dichloroethane	30.1	ug/l	5	16	10	8260B		10/25/2012	CJR	1
1,1-Dichloroethane	116	ug/l	9.8	31	10	8260B		10/25/2012	CJR	1
1,1-Dichloroethene	< 6	ug/l	6	19	10	8260B		10/25/2012	CJR	1
cis-1,2-Dichloroethene	640	ug/l	7.4	24	10	8260B		10/25/2012	CJR	1
trans-1,2-Dichloroethene	16.6 "J"	ug/l	7.9	25	10	8260B		10/25/2012	CJR	1
1,2-Dichloropropane	< 4	ug/l	4	13	10	8260B		10/25/2012	CJR	1
2,2-Dichloropropane	< 19	ug/l	19	59	10	8260B		10/25/2012	CJR	8
1,3-Dichloropropane	< 7.1	ug/l	7.1	23	10	8260B		10/25/2012	CJR	1
Di-isopropyl ether	< 6.9	ug/l	6.9	22	10	8260B		10/25/2012	CJR	1
EDB (1,2-Dibromoethane)	< 6.3	ug/l	6.3	20	10	8260B		10/25/2012	CJR	1
Ethylbenzene	199	ug/l	7.8	25	10	8260B		10/25/2012	CJR	1
Hexachlorobutadiene	< 22	ug/l	22	68	10	8260B		10/25/2012	CJR	1
Isopropylbenzene	15.2 "J"	ug/l	9.2	29	10	8260B		10/25/2012	CJR	1
p-Isopropyltoluene	12.8 "J"	ug/l	9.2	29	10	8260B		10/25/2012	CJR	1
Methylene chloride	< 11	ug/l	11	34	10	8260B		10/25/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 8	ug/l	8	25	10	8260B		10/25/2012	CJR	1
Naphthalene	135	ug/l	21	68	10	8260B		10/25/2012	CJR	1
n-Propylbenzene	22.7	ug/l	5.9	19	10	8260B		10/25/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 5.3	ug/l	5.3	17	10	8260B		10/25/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 10	ug/l	10	32	10	8260B		10/25/2012	CJR	1
Tetrachloroethene	< 4.4	ug/l	4.4	14	10	8260B		10/25/2012	CJR	1
Toluene	320	ug/l	5.3	17	10	8260B		10/25/2012	CJR	1
1,2,4-Trichlorobenzene	< 15	ug/l	15	46	10	8260B		10/25/2012	CJR	1
1,2,3-Trichlorobenzene	< 13	ug/l	13	42	10	8260B		10/25/2012	CJR	1
1,1,1-Trichloroethane	77	ug/l	8.5	27	10	8260B		10/25/2012	CJR	1
1,1,2-Trichloroethane	< 4.7	ug/l	4.7	15	10	8260B		10/25/2012	CJR	1
Trichloroethene (TCE)	36	ug/l	4.7	15	10	8260B		10/25/2012	CJR	1
Trichlorofluoromethane	< 17	ug/l	17	53	10	8260B		10/25/2012	CJR	1
1,2,4-Trimethylbenzene	257	ug/l	8	25	10	8260B		10/25/2012	CJR	1
1,3,5-Trimethylbenzene	76	ug/l	7.4	24	10	8260B		10/25/2012	CJR	1
Vinyl Chloride	122	ug/l	1.8	5.6	10	8260B		10/25/2012	CJR	1
m&p-Xylene	960	ug/l	11	35	10	8260B		10/25/2012	CJR	1
o-Xylene	420	ug/l	8	26	10	8260B		10/25/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			10	8260B		10/25/2012	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			10	8260B		10/25/2012	CJR	1
SUR - Dibromofluoromethane	100	REC %			10	8260B		10/25/2012	CJR	1
SUR - Toluene-d8	107	REC %			10	8260B		10/25/2012	CJR	1

Lab Code 5024406C
 Sample ID SPM-4
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 2500	ug/l	2500	8000	5000	8260B		10/25/2012	CJR	1
Bromobenzene	< 3700	ug/l	3700	12000	5000	8260B		10/25/2012	CJR	1
Bromodichloromethane	< 3400	ug/l	3400	11000	5000	8260B		10/25/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406C
 Sample ID SPM-4
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromoform	< 2150	ug/l	2150	7000	5000	8260B		10/25/2012	CJR	1
tert-Butylbenzene	< 3550	ug/l	3550	11500	5000	8260B		10/25/2012	CJR	1
sec-Butylbenzene	< 5000	ug/l	5000	16500	5000	8260B		10/25/2012	CJR	1
n-Butylbenzene	< 4500	ug/l	4500	14500	5000	8260B		10/25/2012	CJR	1
Carbon Tetrachloride	< 2350	ug/l	2350	7500	5000	8260B		10/25/2012	CJR	1
Chlorobenzene	< 2550	ug/l	2550	8000	5000	8260B		10/25/2012	CJR	1
Chloroethane	< 7000	ug/l	7000	22500	5000	8260B		10/25/2012	CJR	1
Chloroform	< 2450	ug/l	2450	7500	5000	8260B		10/25/2012	CJR	1
Chloromethane	< 9500	ug/l	9500	30500	5000	8260B		10/25/2012	CJR	1
2-Chlorotoluene	< 3500	ug/l	3500	11000	5000	8260B		10/25/2012	CJR	1
4-Chlorotoluene	< 2200	ug/l	2200	7000	5000	8260B		10/25/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 14000	ug/l	14000	44500	5000	8260B		10/25/2012	CJR	1
Dibromochloromethane	< 2750	ug/l	2750	9000	5000	8260B		10/25/2012	CJR	1
1,4-Dichlorobenzene	< 4900	ug/l	4900	15500	5000	8260B		10/25/2012	CJR	1
1,3-Dichlorobenzene	< 4350	ug/l	4350	14000	5000	8260B		10/25/2012	CJR	1
1,2-Dichlorobenzene	< 3800	ug/l	3800	12000	5000	8260B		10/25/2012	CJR	1
Dichlorodifluoromethane	< 9000	ug/l	9000	29500	5000	8260B		10/25/2012	CJR	1
1,2-Dichloroethane	< 2500	ug/l	2500	8000	5000	8260B		10/25/2012	CJR	1
1,1-Dichloroethane	12800 "J"	ug/l	4900	15500	5000	8260B		10/25/2012	CJR	1
1,1-Dichloroethene	< 3000	ug/l	3000	9500	5000	8260B		10/25/2012	CJR	1
cis-1,2-Dichloroethene	283000	ug/l	3700	12000	5000	8260B		10/25/2012	CJR	1
trans-1,2-Dichloroethene	< 3950	ug/l	3950	12500	5000	8260B		10/25/2012	CJR	1
1,2-Dichloropropane	< 2000	ug/l	2000	6500	5000	8260B		10/25/2012	CJR	1
2,2-Dichloropropane	< 9500	ug/l	9500	29500	5000	8260B		10/25/2012	CJR	8
1,3-Dichloropropane	< 3550	ug/l	3550	11500	5000	8260B		10/25/2012	CJR	1
Di-isopropyl ether	< 3450	ug/l	3450	11000	5000	8260B		10/25/2012	CJR	1
EDB (1,2-Dibromoethane)	< 3150	ug/l	3150	10000	5000	8260B		10/25/2012	CJR	1
Ethylbenzene	< 3900	ug/l	3900	12500	5000	8260B		10/25/2012	CJR	1
Hexachlorobutadiene	< 11000	ug/l	11000	34000	5000	8260B		10/25/2012	CJR	1
Isopropylbenzene	< 4600	ug/l	4600	14500	5000	8260B		10/25/2012	CJR	1
p-Isopropyltoluene	< 4600	ug/l	4600	14500	5000	8260B		10/25/2012	CJR	1
Methylene chloride	< 5500	ug/l	5500	17000	5000	8260B		10/25/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 4000	ug/l	4000	12500	5000	8260B		10/25/2012	CJR	1
Naphthalene	< 10500	ug/l	10500	34000	5000	8260B		10/25/2012	CJR	1
n-Propylbenzene	< 2950	ug/l	2950	9500	5000	8260B		10/25/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 2650	ug/l	2650	8500	5000	8260B		10/25/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 5000	ug/l	5000	16000	5000	8260B		10/25/2012	CJR	1
Tetrachloroethene	< 2200	ug/l	2200	7000	5000	8260B		10/25/2012	CJR	1
Toluene	19000	ug/l	2650	8500	5000	8260B		10/25/2012	CJR	1
1,2,4-Trichlorobenzene	< 7500	ug/l	7500	23000	5000	8260B		10/25/2012	CJR	1
1,2,3-Trichlorobenzene	< 6500	ug/l	6500	21000	5000	8260B		10/25/2012	CJR	1
1,1,1-Trichloroethane	96000	ug/l	4250	13500	5000	8260B		10/25/2012	CJR	1
1,1,2-Trichloroethane	< 2350	ug/l	2350	7500	5000	8260B		10/25/2012	CJR	1
Trichloroethene (TCE)	26000	ug/l	2350	7500	5000	8260B		10/25/2012	CJR	1
Trichlorofluoromethane	< 8500	ug/l	8500	26500	5000	8260B		10/25/2012	CJR	1
1,2,4-Trimethylbenzene	< 4000	ug/l	4000	12500	5000	8260B		10/25/2012	CJR	1
1,3,5-Trimethylbenzene	< 3700	ug/l	3700	12000	5000	8260B		10/25/2012	CJR	1
Vinyl Chloride	12600	ug/l	9002800		5000	8260B		10/25/2012	CJR	1
m&p-Xylene	8800 "J"	ug/l	5500	17500	5000	8260B		10/25/2012	CJR	1
o-Xylene	< 4000	ug/l	4000	13000	5000	8260B		10/25/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	99	REC %			5000	8260B		10/25/2012	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			5000	8260B		10/25/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406C
 Sample ID SPM-4
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - Dibromofluoromethane	96	REC %			5000	8260B		10/25/2012	CJR	1
SUR - Toluene-d8	106	REC %			5000	8260B		10/25/2012	CJR	1

Lab Code 5024406D
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		10/24/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		10/24/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		10/24/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/24/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/24/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		10/24/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		10/24/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		10/24/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		10/24/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		10/24/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		10/24/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/24/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		10/24/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		10/24/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/24/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		10/24/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		10/24/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		10/24/2012	CJR	1
1,2-Dichloroethane	9.3	ug/l	0.5	1.6	1	8260B		10/24/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		10/24/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		10/24/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		10/24/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		10/24/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		10/24/2012	CJR	8
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		10/24/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		10/24/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/24/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		10/24/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		10/24/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		10/24/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		10/24/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		10/24/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		10/24/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		10/24/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		10/24/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		10/24/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		10/24/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		10/24/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		10/24/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406D
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		10/24/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		10/24/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		10/24/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		10/24/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		10/24/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
Vinyl Chloride	1.27	ug/l	0.180	.56	1	8260B		10/24/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		10/24/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		10/24/2012	CJR	1
SUR - 4-Bromofluorobenzene	107	REC %			1	8260B		10/24/2012	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		10/24/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		10/24/2012	CJR	1
SUR - Toluene-d8	109	REC %			1	8260B		10/24/2012	CJR	1

Lab Code 5024406E
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 1000	ug/l	1000	3200	2000	8260B		10/25/2012	CJR	1
Bromobenzene	< 1480	ug/l	1480	4800	2000	8260B		10/25/2012	CJR	1
Bromodichloromethane	< 1360	ug/l	1360	4400	2000	8260B		10/25/2012	CJR	1
Bromoform	< 860	ug/l	860	2800	2000	8260B		10/25/2012	CJR	1
tert-Butylbenzene	< 1420	ug/l	1420	4600	2000	8260B		10/25/2012	CJR	1
sec-Butylbenzene	< 2000	ug/l	2000	6600	2000	8260B		10/25/2012	CJR	1
n-Butylbenzene	< 1800	ug/l	1800	5800	2000	8260B		10/25/2012	CJR	1
Carbon Tetrachloride	< 940	ug/l	940	3000	2000	8260B		10/25/2012	CJR	1
Chlorobenzene	< 1020	ug/l	1020	3200	2000	8260B		10/25/2012	CJR	1
Chloroethane	< 2800	ug/l	2800	9000	2000	8260B		10/25/2012	CJR	1
Chloroform	< 980	ug/l	980	3000	2000	8260B		10/25/2012	CJR	1
Chloromethane	< 3800	ug/l	3800	12200	2000	8260B		10/25/2012	CJR	1
2-Chlorotoluene	< 1400	ug/l	1400	4400	2000	8260B		10/25/2012	CJR	1
4-Chlorotoluene	< 880	ug/l	880	2800	2000	8260B		10/25/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 5600	ug/l	5600	17800	2000	8260B		10/25/2012	CJR	1
Dibromochloromethane	< 1100	ug/l	1100	3600	2000	8260B		10/25/2012	CJR	1
1,4-Dichlorobenzene	< 1960	ug/l	1960	6200	2000	8260B		10/25/2012	CJR	1
1,3-Dichlorobenzene	< 1740	ug/l	1740	5600	2000	8260B		10/25/2012	CJR	1
1,2-Dichlorobenzene	< 1520	ug/l	1520	4800	2000	8260B		10/25/2012	CJR	1
Dichlorodifluoromethane	< 3600	ug/l	3600	11800	2000	8260B		10/25/2012	CJR	1
1,2-Dichloroethane	< 1000	ug/l	1000	3200	2000	8260B		10/25/2012	CJR	1
1,1-Dichloroethane	4500 "J"	ug/l	1960	6200	2000	8260B		10/25/2012	CJR	1
1,1-Dichloroethene	< 1200	ug/l	1200	3800	2000	8260B		10/25/2012	CJR	1
cis-1,2-Dichloroethene	120000	ug/l	1480	4800	2000	8260B		10/25/2012	CJR	1
trans-1,2-Dichloroethene	< 1580	ug/l	1580	5000	2000	8260B		10/25/2012	CJR	1
1,2-Dichloropropane	< 800	ug/l	800	2600	2000	8260B		10/25/2012	CJR	1
2,2-Dichloropropane	< 3800	ug/l	3800	11800	2000	8260B		10/25/2012	CJR	8
1,3-Dichloropropane	< 1420	ug/l	1420	4600	2000	8260B		10/25/2012	CJR	1
Di-isopropyl ether	< 1380	ug/l	1380	4400	2000	8260B		10/25/2012	CJR	1

Project Name FMR DF
Project # 13097

Invoice # E24406

Lab Code 5024406E
Sample ID MW-2
Sample Matrix Water
Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 1260	ug/l	1260	4000	2000	8260B		10/25/2012	CJR	1
Ethylbenzene	< 1560	ug/l	1560	5000	2000	8260B		10/25/2012	CJR	1
Hexachlorobutadiene	< 4400	ug/l	4400	13600	2000	8260B		10/25/2012	CJR	1
Isopropylbenzene	< 1840	ug/l	1840	5800	2000	8260B		10/25/2012	CJR	1
p-Isopropyltoluene	< 1840	ug/l	1840	5800	2000	8260B		10/25/2012	CJR	1
Methylene chloride	< 2200	ug/l	2200	6800	2000	8260B		10/25/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 1600	ug/l	1600	5000	2000	8260B		10/25/2012	CJR	1
Naphthalene	< 4200	ug/l	4200	13600	2000	8260B		10/25/2012	CJR	1
n-Propylbenzene	< 1180	ug/l	1180	3800	2000	8260B		10/25/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 1060	ug/l	1060	3400	2000	8260B		10/25/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 2000	ug/l	2000	6400	2000	8260B		10/25/2012	CJR	1
Tetrachloroethane	< 880	ug/l	880	2800	2000	8260B		10/25/2012	CJR	1
Toluene	1740 "J"	ug/l	1060	3400	2000	8260B		10/25/2012	CJR	1
1,2,4-Trichlorobenzene	< 3000	ug/l	3000	9200	2000	8260B		10/25/2012	CJR	1
1,2,3-Trichlorobenzene	< 2600	ug/l	2600	8400	2000	8260B		10/25/2012	CJR	1
1,1,1-Trichloroethane	17900	ug/l	1700	5400	2000	8260B		10/25/2012	CJR	1
1,1,2-Trichloroethane	< 940	ug/l	940	3000	2000	8260B		10/25/2012	CJR	1
Trichloroethene (TCE)	1820 "J"	ug/l	940	3000	2000	8260B		10/25/2012	CJR	1
Trichlorofluoromethane	< 3400	ug/l	3400	10600	2000	8260B		10/25/2012	CJR	1
1,2,4-Trimethylbenzene	< 1600	ug/l	1600	5000	2000	8260B		10/25/2012	CJR	1
1,3,5-Trimethylbenzene	< 1480	ug/l	1480	4800	2000	8260B		10/25/2012	CJR	1
Vinyl Chloride	1820	ug/l	360	1200	2000	8260B		10/25/2012	CJR	1
m&p-Xylene	< 2200	ug/l	2200	7000	2000	8260B		10/25/2012	CJR	1
o-Xylene	< 1600	ug/l	1600	5200	2000	8260B		10/25/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			2000	8260B		10/25/2012	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			2000	8260B		10/25/2012	CJR	1
SUR - Dibromofluoromethane	98	REC %			2000	8260B		10/25/2012	CJR	1
SUR - Toluene-d8	107	REC %			2000	8260B		10/25/2012	CJR	1

Lab Code 5024406F
Sample ID MW-3
Sample Matrix Water
Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	0.91 "J"	ug/l	0.5	1.6	1	8260B		10/24/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		10/24/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		10/24/2012	CJR	1
tert-Butylbenzene	1.48 "J"	ug/l	0.71	2.3	1	8260B		10/24/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/24/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		10/24/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		10/24/2012	CJR	1
Chloroethane	2.93 "J"	ug/l	1.4	4.5	1	8260B		10/24/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		10/24/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		10/24/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		10/24/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/24/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		10/24/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		10/24/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406F
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/24/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		10/24/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		10/24/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		10/24/2012	CJR	1
1,2-Dichloroethane	0.55 "J"	ug/l	0.5	1.6	1	8260B		10/24/2012	CJR	1
1,1-Dichloroethane	2.59 "J"	ug/l	0.98	3.1	1	8260B		10/24/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		10/24/2012	CJR	1
cis-1,2-Dichloroethene	6.4	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		10/24/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		10/24/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		10/24/2012	CJR	8
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		10/24/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		10/24/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/24/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		10/24/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		10/24/2012	CJR	1
Isopropylbenzene	1.44 "J"	ug/l	0.92	2.9	1	8260B		10/24/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		10/24/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		10/24/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		10/24/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		10/24/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		10/24/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		10/24/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		10/24/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		10/24/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		10/24/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		10/24/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		10/24/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		10/24/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		10/24/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		10/24/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
Vinyl Chloride	35	ug/l	0.180.56		1	8260B		10/24/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		10/24/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		10/24/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			1	8260B		10/24/2012	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		10/24/2012	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		10/24/2012	CJR	1
SUR - Toluene-d8	107	REC %			1	8260B		10/24/2012	CJR	1

Lab Code 5024406G
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	2.22	ug/l	0.5	1.6	1	8260B		10/24/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		10/24/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406G
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		10/24/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/24/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/24/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		10/24/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Chlorobenzene	2.8	ug/l	0.51	1.6	1	8260B		10/24/2012	CJR	1
Chloroethane	27	ug/l	1.4	4.5	1	8260B		10/24/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		10/24/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		10/24/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		10/24/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/24/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		10/24/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		10/24/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/24/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		10/24/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		10/24/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		10/24/2012	CJR	1
1,2-Dichloroethane	2.31	ug/l	0.5	1.6	1	8260B		10/24/2012	CJR	1
1,1-Dichloroethane	14.1	ug/l	0.98	3.1	1	8260B		10/24/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		10/24/2012	CJR	1
cis-1,2-Dichloroethene	1.75 "J"	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		10/24/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		10/24/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		10/24/2012	CJR	8
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		10/24/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		10/24/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/24/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		10/24/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		10/24/2012	CJR	1
Isopropylbenzene	0.95 "J"	ug/l	0.92	2.9	1	8260B		10/24/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		10/24/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		10/24/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		10/24/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		10/24/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		10/24/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		10/24/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		10/24/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		10/24/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		10/24/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		10/24/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		10/24/2012	CJR	1
1,1,1-Trichloroethane	1.28 "J"	ug/l	0.85	2.7	1	8260B		10/24/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Trichloroethene (TCE)	6.5	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		10/24/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		10/24/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
Vinyl Chloride	2.73	ug/l	0.180.56		1	8260B		10/24/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		10/24/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		10/24/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		10/24/2012	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			1	8260B		10/24/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406G
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - Dibromofluoromethane	94	REC %			1	8260B		10/24/2012	CJR	1
SUR - Toluene-d8	109	REC %			1	8260B		10/24/2012	CJR	1

Lab Code 5024406H
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	1.96	ug/l	0.5	1.6	1	8260B		10/24/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		10/24/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		10/24/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/24/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/24/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		10/24/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		10/24/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		10/24/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		10/24/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		10/24/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		10/24/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/24/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		10/24/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		10/24/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/24/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		10/24/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		10/24/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		10/24/2012	CJR	1
1,2-Dichloroethane	0.92 "J"	ug/l	0.5	1.6	1	8260B		10/24/2012	CJR	1
1,1-Dichloroethane	35	ug/l	0.98	3.1	1	8260B		10/24/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		10/24/2012	CJR	1
cis-1,2-Dichloroethene	30.7	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		10/24/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		10/24/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		10/24/2012	CJR	8
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		10/24/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		10/24/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/24/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		10/24/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		10/24/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		10/24/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		10/24/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		10/24/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		10/24/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		10/24/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		10/24/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		10/24/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		10/24/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		10/24/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		10/24/2012	CJR	1

Project Name FMR DF
Project # 13097

Invoice # E24406

Lab Code 5024406H
Sample ID MW-5
Sample Matrix Water
Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		10/24/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		10/24/2012	CJR	1
1,1,1-Trichloroethane	3.3	ug/l	0.85	2.7	1	8260B		10/24/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Trichloroethene (TCE)	35	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		10/24/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		10/24/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
Vinyl Chloride	17.5	ug/l	0.180.56		1	8260B		10/24/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		10/24/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		10/24/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		10/24/2012	CJR	1
SUR - Toluene-d8	104	REC %			1	8260B		10/24/2012	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		10/24/2012	CJR	1
SUR - 4-Bromofluorobenzene	103	REC %			1	8260B		10/24/2012	CJR	1

Lab Code 5024406I
Sample ID MW-6
Sample Matrix Water
Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	5.4 "J"	ug/l	5	16	10	8260B		10/25/2012	CJR	1
Bromobenzene	< 7.4	ug/l	7.4	24	10	8260B		10/25/2012	CJR	1
Bromodichloromethane	< 6.8	ug/l	6.8	22	10	8260B		10/25/2012	CJR	1
Bromoform	< 4.3	ug/l	4.3	14	10	8260B		10/25/2012	CJR	1
tert-Butylbenzene	< 7.1	ug/l	7.1	23	10	8260B		10/25/2012	CJR	1
sec-Butylbenzene	< 10	ug/l	10	33	10	8260B		10/25/2012	CJR	1
n-Butylbenzene	< 9	ug/l	9	29	10	8260B		10/25/2012	CJR	1
Carbon Tetrachloride	< 4.7	ug/l	4.7	15	10	8260B		10/25/2012	CJR	1
Chlorobenzene	< 5.1	ug/l	5.1	16	10	8260B		10/25/2012	CJR	1
Chloroethane	400	ug/l	14	45	10	8260B		10/25/2012	CJR	1
Chloroform	< 4.9	ug/l	4.9	15	10	8260B		10/25/2012	CJR	1
Chloromethane	< 19	ug/l	19	61	10	8260B		10/25/2012	CJR	1
2-Chlorotoluene	< 7	ug/l	7	22	10	8260B		10/25/2012	CJR	1
4-Chlorotoluene	< 4.4	ug/l	4.4	14	10	8260B		10/25/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 28	ug/l	28	89	10	8260B		10/25/2012	CJR	1
Dibromochloromethane	< 5.5	ug/l	5.5	18	10	8260B		10/25/2012	CJR	1
1,4-Dichlorobenzene	< 9.8	ug/l	9.8	31	10	8260B		10/25/2012	CJR	1
1,3-Dichlorobenzene	< 8.7	ug/l	8.7	28	10	8260B		10/25/2012	CJR	1
1,2-Dichlorobenzene	< 7.6	ug/l	7.6	24	10	8260B		10/25/2012	CJR	1
Dichlorodifluoromethane	< 18	ug/l	18	59	10	8260B		10/25/2012	CJR	1
1,2-Dichloroethane	< 5	ug/l	5	16	10	8260B		10/25/2012	CJR	1
1,1-Dichloroethane	< 9.8	ug/l	9.8	31	10	8260B		10/25/2012	CJR	1
1,1-Dichloroethene	< 6	ug/l	6	19	10	8260B		10/25/2012	CJR	1
cis-1,2-Dichloroethene	< 7.4	ug/l	7.4	24	10	8260B		10/25/2012	CJR	1
trans-1,2-Dichloroethene	< 7.9	ug/l	7.9	25	10	8260B		10/25/2012	CJR	1
1,2-Dichloropropane	< 4	ug/l	4	13	10	8260B		10/25/2012	CJR	1
2,2-Dichloropropane	< 19	ug/l	19	59	10	8260B		10/25/2012	CJR	8
1,3-Dichloropropane	< 7.1	ug/l	7.1	23	10	8260B		10/25/2012	CJR	1
Di-isopropyl ether	< 6.9	ug/l	6.9	22	10	8260B		10/25/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406I
 Sample ID MW-6
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 6.3	ug/l	6.3	20	10	8260B		10/25/2012	CJR	1
Ethylbenzene	< 7.8	ug/l	7.8	25	10	8260B		10/25/2012	CJR	1
Hexachlorobutadiene	< 22	ug/l	22	68	10	8260B		10/25/2012	CJR	1
Isopropylbenzene	< 9.2	ug/l	9.2	29	10	8260B		10/25/2012	CJR	1
p-Isopropyltoluene	< 9.2	ug/l	9.2	29	10	8260B		10/25/2012	CJR	1
Methylene chloride	< 11	ug/l	11	34	10	8260B		10/25/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 8	ug/l	8	25	10	8260B		10/25/2012	CJR	1
Naphthalene	< 21	ug/l	21	68	10	8260B		10/25/2012	CJR	1
n-Propylbenzene	< 5.9	ug/l	5.9	19	10	8260B		10/25/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 5.3	ug/l	5.3	17	10	8260B		10/25/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 10	ug/l	10	32	10	8260B		10/25/2012	CJR	1
Tetrachloroethene	< 4.4	ug/l	4.4	14	10	8260B		10/25/2012	CJR	1
Toluene	< 5.3	ug/l	5.3	17	10	8260B		10/25/2012	CJR	1
1,2,4-Trichlorobenzene	< 15	ug/l	15	46	10	8260B		10/25/2012	CJR	1
1,2,3-Trichlorobenzene	< 13	ug/l	13	42	10	8260B		10/25/2012	CJR	1
1,1,1-Trichloroethane	< 8.5	ug/l	8.5	27	10	8260B		10/25/2012	CJR	1
1,1,2-Trichloroethane	< 4.7	ug/l	4.7	15	10	8260B		10/25/2012	CJR	1
Trichloroethene (TCE)	< 4.7	ug/l	4.7	15	10	8260B		10/25/2012	CJR	1
Trichlorofluoromethane	< 17	ug/l	17	53	10	8260B		10/25/2012	CJR	1
1,2,4-Trimethylbenzene	13.9 "J"	ug/l	8	25	10	8260B		10/25/2012	CJR	1
1,3,5-Trimethylbenzene	< 7.4	ug/l	7.4	24	10	8260B		10/25/2012	CJR	1
Vinyl Chloride	2.2 "J"	ug/l	1.8	5.6	10	8260B		10/25/2012	CJR	1
m&p-Xylene	92	ug/l	11	35	10	8260B		10/25/2012	CJR	1
o-Xylene	< 8	ug/l	8	26	10	8260B		10/25/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			10	8260B		10/25/2012	CJR	1
SUR - 4-Bromofluorobenzene	110	REC %			10	8260B		10/25/2012	CJR	1
SUR - Dibromofluoromethane	96	REC %			10	8260B		10/25/2012	CJR	1
SUR - Toluene-d8	106	REC %			10	8260B		10/25/2012	CJR	1

Lab Code 5024406J
 Sample ID MW-8
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 2.5	ug/l	2.5	8	5	8260B		10/25/2012	CJR	1
Bromobenzene	< 3.7	ug/l	3.7	12	5	8260B		10/25/2012	CJR	1
Bromodichloromethane	< 3.4	ug/l	3.4	11	5	8260B		10/25/2012	CJR	1
Bromoform	< 2.15	ug/l	2.15	7	5	8260B		10/25/2012	CJR	1
tert-Butylbenzene	< 3.55	ug/l	3.55	11.5	5	8260B		10/25/2012	CJR	1
sec-Butylbenzene	16.9	ug/l	5	16.5	5	8260B		10/25/2012	CJR	1
n-Butylbenzene	5.7 "J"	ug/l	4.5	14.5	5	8260B		10/25/2012	CJR	1
Carbon Tetrachloride	< 2.35	ug/l	2.35	7.5	5	8260B		10/25/2012	CJR	1
Chlorobenzene	< 2.55	ug/l	2.55	8	5	8260B		10/25/2012	CJR	1
Chloroethane	9.8 "J"	ug/l	7	22.5	5	8260B		10/25/2012	CJR	1
Chloroform	< 2.45	ug/l	2.45	7.5	5	8260B		10/25/2012	CJR	1
Chloromethane	< 9.5	ug/l	9.5	30.5	5	8260B		10/25/2012	CJR	1
2-Chlorotoluene	< 3.5	ug/l	3.5	11	5	8260B		10/25/2012	CJR	1
4-Chlorotoluene	< 2.2	ug/l	2.2	7	5	8260B		10/25/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 14	ug/l	14	44.5	5	8260B		10/25/2012	CJR	1
Dibromochloromethane	< 2.75	ug/l	2.75	9	5	8260B		10/25/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406J
 Sample ID MW-8
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,4-Dichlorobenzene	< 4.9	ug/l	4.9	15.5	5	8260B		10/25/2012	CJR	1
1,3-Dichlorobenzene	< 4.35	ug/l	4.35	14	5	8260B		10/25/2012	CJR	1
1,2-Dichlorobenzene	< 3.8	ug/l	3.8	12	5	8260B		10/25/2012	CJR	1
Dichlorodifluoromethane	< 9	ug/l	9	29.5	5	8260B		10/25/2012	CJR	1
1,2-Dichloroethane	< 2.5	ug/l	2.5	8	5	8260B		10/25/2012	CJR	1
1,1-Dichloroethane	67	ug/l	4.9	15.5	5	8260B		10/25/2012	CJR	1
1,1-Dichloroethene	< 3	ug/l	3	9.5	5	8260B		10/25/2012	CJR	1
cis-1,2-Dichloroethene	21.6	ug/l	3.7	12	5	8260B		10/25/2012	CJR	1
trans-1,2-Dichloroethene	< 3.95	ug/l	3.95	12.5	5	8260B		10/25/2012	CJR	1
1,2-Dichloropropane	< 2	ug/l	2	6.5	5	8260B		10/25/2012	CJR	1
2,2-Dichloropropane	< 9.5	ug/l	9.5	29.5	5	8260B		10/25/2012	CJR	8
1,3-Dichloropropane	< 3.55	ug/l	3.55	11.5	5	8260B		10/25/2012	CJR	1
Di-isopropyl ether	< 3.45	ug/l	3.45	11	5	8260B		10/25/2012	CJR	1
EDB (1,2-Dibromoethane)	< 3.15	ug/l	3.15	10	5	8260B		10/25/2012	CJR	1
Ethylbenzene	< 3.9	ug/l	3.9	12.5	5	8260B		10/25/2012	CJR	1
Hexachlorobutadiene	< 11	ug/l	11	34	5	8260B		10/25/2012	CJR	1
Isopropylbenzene	11.8 "J"	ug/l	4.6	14.5	5	8260B		10/25/2012	CJR	1
p-Isopropyltoluene	< 4.6	ug/l	4.6	14.5	5	8260B		10/25/2012	CJR	1
Methylene chloride	< 5.5	ug/l	5.5	17	5	8260B		10/25/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 4	ug/l	4	12.5	5	8260B		10/25/2012	CJR	1
Naphthalene	< 10.5	ug/l	10.5	34	5	8260B		10/25/2012	CJR	1
n-Propylbenzene	9.4 "J"	ug/l	2.95	9.5	5	8260B		10/25/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 2.65	ug/l	2.65	8.5	5	8260B		10/25/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 5	ug/l	5	16	5	8260B		10/25/2012	CJR	1
Tetrachloroethene	< 2.2	ug/l	2.2	7	5	8260B		10/25/2012	CJR	1
Toluene	< 2.65	ug/l	2.65	8.5	5	8260B		10/25/2012	CJR	1
1,2,4-Trichlorobenzene	< 7.5	ug/l	7.5	23	5	8260B		10/25/2012	CJR	1
1,2,3-Trichlorobenzene	< 6.5	ug/l	6.5	21	5	8260B		10/25/2012	CJR	1
1,1,1-Trichloroethane	< 4.25	ug/l	4.25	13.5	5	8260B		10/25/2012	CJR	1
1,1,2-Trichloroethane	< 2.35	ug/l	2.35	7.5	5	8260B		10/25/2012	CJR	1
Trichloroethene (TCE)	3 "J"	ug/l	2.35	7.5	5	8260B		10/25/2012	CJR	1
Trichlorofluoromethane	< 8.5	ug/l	8.5	26.5	5	8260B		10/25/2012	CJR	1
1,2,4-Trimethylbenzene	< 4	ug/l	4	12.5	5	8260B		10/25/2012	CJR	1
1,3,5-Trimethylbenzene	< 3.7	ug/l	3.7	12	5	8260B		10/25/2012	CJR	1
Vinyl Chloride	160	ug/l	0.9	2.8	5	8260B		10/25/2012	CJR	1
m&p-Xylene	< 5.5	ug/l	5.5	17.5	5	8260B		10/25/2012	CJR	1
o-Xylene	< 4	ug/l	4	13	5	8260B		10/25/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			5	8260B		10/25/2012	CJR	1
SUR - 4-Bromofluorobenzene	104	REC %			5	8260B		10/25/2012	CJR	1
SUR - Dibromofluoromethane	101	REC %			5	8260B		10/25/2012	CJR	1
SUR - Toluene-d8	106	REC %			5	8260B		10/25/2012	CJR	1

Lab Code 5024406K
 Sample ID MW-9
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		10/24/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		10/24/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406K
 Sample ID MW-9
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		10/24/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/24/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/24/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		10/24/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		10/24/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		10/24/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		10/24/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		10/24/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		10/24/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/24/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		10/24/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		10/24/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/24/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		10/24/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		10/24/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		10/24/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/24/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		10/24/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		10/24/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		10/24/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		10/24/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		10/24/2012	CJR	8
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		10/24/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		10/24/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/24/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		10/24/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		10/24/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		10/24/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		10/24/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		10/24/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		10/24/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		10/24/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		10/24/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		10/24/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		10/24/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		10/24/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		10/24/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		10/24/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		10/24/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		10/24/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/24/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		10/24/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		10/24/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/24/2012	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.180.56		1	8260B		10/24/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		10/24/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		10/24/2012	CJR	1
SUR - Toluene-d8	105	REC %			1	8260B		10/24/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	92	REC %			1	8260B		10/24/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406K
 Sample ID MW-9
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		10/24/2012	CJR	1
SUR - Dibromofluoromethane	100	REC %			1	8260B		10/24/2012	CJR	1

Lab Code 5024406L
 Sample ID MW-14
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
--	--------	------	-----	-----	-----	--------	----------	----------	---------	------

Organic

VOC's

Benzene	< 50	ug/l	50	160	100	8260B		10/24/2012	CJR	1
Bromobenzene	< 74	ug/l	74	240	100	8260B		10/24/2012	CJR	1
Bromodichloromethane	< 68	ug/l	68	220	100	8260B		10/24/2012	CJR	1
Bromoform	< 43	ug/l	43	140	100	8260B		10/24/2012	CJR	1
tert-Butylbenzene	< 71	ug/l	71	230	100	8260B		10/24/2012	CJR	1
sec-Butylbenzene	< 100	ug/l	100	330	100	8260B		10/24/2012	CJR	1
n-Butylbenzene	< 90	ug/l	90	290	100	8260B		10/24/2012	CJR	1
Carbon Tetrachloride	< 47	ug/l	47	150	100	8260B		10/24/2012	CJR	1
Chlorobenzene	< 51	ug/l	51	160	100	8260B		10/24/2012	CJR	1
Chloroethane	< 140	ug/l	140	450	100	8260B		10/24/2012	CJR	1
Chloroform	< 49	ug/l	49	150	100	8260B		10/24/2012	CJR	1
Chloromethane	< 190	ug/l	190	610	100	8260B		10/24/2012	CJR	1
2-Chlorotoluene	< 70	ug/l	70	220	100	8260B		10/24/2012	CJR	1
4-Chlorotoluene	< 44	ug/l	44	140	100	8260B		10/24/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 280	ug/l	280	890	100	8260B		10/24/2012	CJR	1
Dibromochloromethane	< 55	ug/l	55	180	100	8260B		10/24/2012	CJR	1
1,4-Dichlorobenzene	< 98	ug/l	98	310	100	8260B		10/24/2012	CJR	1
1,3-Dichlorobenzene	< 87	ug/l	87	280	100	8260B		10/24/2012	CJR	1
1,2-Dichlorobenzene	< 76	ug/l	76	240	100	8260B		10/24/2012	CJR	1
Dichlorodifluoromethane	< 180	ug/l	180	590	100	8260B		10/24/2012	CJR	1
1,2-Dichloroethane	< 50	ug/l	50	160	100	8260B		10/24/2012	CJR	1
1,1-Dichloroethane	< 98	ug/l	98	310	100	8260B		10/24/2012	CJR	1
1,1-Dichloroethene	< 60	ug/l	60	190	100	8260B		10/24/2012	CJR	1
cis-1,2-Dichloroethene	< 74	ug/l	74	240	100	8260B		10/24/2012	CJR	1
trans-1,2-Dichloroethene	< 79	ug/l	79	250	100	8260B		10/24/2012	CJR	1
1,2-Dichloropropane	< 40	ug/l	40	130	100	8260B		10/24/2012	CJR	1
2,2-Dichloropropane	< 190	ug/l	190	590	100	8260B		10/24/2012	CJR	8
1,3-Dichloropropane	< 71	ug/l	71	230	100	8260B		10/24/2012	CJR	1
Di-isopropyl ether	< 69	ug/l	69	220	100	8260B		10/24/2012	CJR	1
EDB (1,2-Dibromoethane)	< 63	ug/l	63	200	100	8260B		10/24/2012	CJR	1
Ethylbenzene	< 78	ug/l	78	250	100	8260B		10/24/2012	CJR	1
Hexachlorobutadiene	< 220	ug/l	220	680	100	8260B		10/24/2012	CJR	1
Isopropylbenzene	< 92	ug/l	92	290	100	8260B		10/24/2012	CJR	1
p-Isopropyltoluene	< 92	ug/l	92	290	100	8260B		10/24/2012	CJR	1
Methylene chloride	< 110	ug/l	110	340	100	8260B		10/24/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 80	ug/l	80	250	100	8260B		10/24/2012	CJR	1
Naphthalene	< 210	ug/l	210	680	100	8260B		10/24/2012	CJR	1
n-Propylbenzene	< 59	ug/l	59	190	100	8260B		10/24/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 53	ug/l	53	170	100	8260B		10/24/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 100	ug/l	100	320	100	8260B		10/24/2012	CJR	1
Tetrachloroethene	< 44	ug/l	44	140	100	8260B		10/24/2012	CJR	1
Toluene	< 53	ug/l	53	170	100	8260B		10/24/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406L
 Sample ID MW-14
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,4-Trichlorobenzene	< 150	ug/l	150	460	100	8260B		10/24/2012	CJR	1
1,2,3-Trichlorobenzene	< 130	ug/l	130	420	100	8260B		10/24/2012	CJR	1
1,1,1-Trichloroethane	< 85	ug/l	85	270	100	8260B		10/24/2012	CJR	1
1,1,2-Trichloroethane	< 47	ug/l	47	150	100	8260B		10/24/2012	CJR	1
Trichloroethene (TCE)	102 "J"	ug/l	47	150	100	8260B		10/24/2012	CJR	1
Trichlorofluoromethane	< 170	ug/l	170	530	100	8260B		10/24/2012	CJR	1
1,2,4-Trimethylbenzene	< 80	ug/l	80	250	100	8260B		10/24/2012	CJR	1
1,3,5-Trimethylbenzene	< 74	ug/l	74	240	100	8260B		10/24/2012	CJR	1
Vinyl Chloride	< 18	ug/l	18	56	100	8260B		10/24/2012	CJR	1
m&p-Xylene	< 110	ug/l	110	350	100	8260B		10/24/2012	CJR	1
o-Xylene	< 80	ug/l	80	260	100	8260B		10/24/2012	CJR	1
SUR - Toluene-d8	105	REC %			100	8260B		10/24/2012	CJR	1
SUR - Dibromofluoromethane	97	REC %			100	8260B		10/24/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	106	REC %			100	8260B		10/24/2012	CJR	1
SUR - 4-Bromofluorobenzene	105	REC %			100	8260B		10/24/2012	CJR	1

Lab Code 5024406M
 Sample ID DUP
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 1000	ug/l	1000	3200	2000	8260B		10/25/2012	CJR	1
Bromobenzene	< 1480	ug/l	1480	4800	2000	8260B		10/25/2012	CJR	1
Bromodichloromethane	< 1360	ug/l	1360	4400	2000	8260B		10/25/2012	CJR	1
Bromoform	< 860	ug/l	8602800		2000	8260B		10/25/2012	CJR	1
tert-Butylbenzene	< 1420	ug/l	1420	4600	2000	8260B		10/25/2012	CJR	1
sec-Butylbenzene	< 2000	ug/l	2000	6600	2000	8260B		10/25/2012	CJR	1
n-Butylbenzene	< 1800	ug/l	1800	5800	2000	8260B		10/25/2012	CJR	1
Carbon Tetrachloride	< 940	ug/l	9403000		2000	8260B		10/25/2012	CJR	1
Chlorobenzene	< 1020	ug/l	1020	3200	2000	8260B		10/25/2012	CJR	1
Chloroethane	< 2800	ug/l	2800	9000	2000	8260B		10/25/2012	CJR	1
Chloroform	< 980	ug/l	9803000		2000	8260B		10/25/2012	CJR	1
Chloromethane	< 3800	ug/l	3800	12200	2000	8260B		10/25/2012	CJR	1
2-Chlorotoluene	< 1400	ug/l	1400	4400	2000	8260B		10/25/2012	CJR	1
4-Chlorotoluene	< 880	ug/l	8802800		2000	8260B		10/25/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 5600	ug/l	5600	17800	2000	8260B		10/25/2012	CJR	1
Dibromochloromethane	< 1100	ug/l	1100	3600	2000	8260B		10/25/2012	CJR	1
1,4-Dichlorobenzene	< 1960	ug/l	1960	6200	2000	8260B		10/25/2012	CJR	1
1,3-Dichlorobenzene	< 1740	ug/l	1740	5600	2000	8260B		10/25/2012	CJR	1
1,2-Dichlorobenzene	< 1520	ug/l	1520	4800	2000	8260B		10/25/2012	CJR	1
Dichlorodifluoromethane	< 3600	ug/l	3600	11800	2000	8260B		10/25/2012	CJR	1
1,2-Dichloroethane	< 1000	ug/l	1000	3200	2000	8260B		10/25/2012	CJR	1
1,1-Dichloroethane	4100 "J"	ug/l	1960	6200	2000	8260B		10/25/2012	CJR	1
1,1-Dichloroethene	< 1200	ug/l	1200	3800	2000	8260B		10/25/2012	CJR	1
cis-1,2-Dichloroethene	117000	ug/l	1480	4800	2000	8260B		10/25/2012	CJR	1
trans-1,2-Dichloroethene	< 1580	ug/l	1580	5000	2000	8260B		10/25/2012	CJR	1
1,2-Dichloropropane	< 800	ug/l	8002600		2000	8260B		10/25/2012	CJR	1
2,2-Dichloropropane	< 3800	ug/l	3800	11800	2000	8260B		10/25/2012	CJR	8
1,3-Dichloropropane	< 1420	ug/l	1420	4600	2000	8260B		10/25/2012	CJR	1
Di-isopropyl ether	< 1380	ug/l	1380	4400	2000	8260B		10/25/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406M
 Sample ID DUP
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
EDB (1,2-Dibromoethane)	< 1260	ug/l	1260	4000	2000	8260B		10/25/2012	CJR	1
Ethylbenzene	< 1560	ug/l	1560	5000	2000	8260B		10/25/2012	CJR	1
Hexachlorobutadiene	< 4400	ug/l	4400	13600	2000	8260B		10/25/2012	CJR	1
Isopropylbenzene	< 1840	ug/l	1840	5800	2000	8260B		10/25/2012	CJR	1
p-Isopropyltoluene	< 1840	ug/l	1840	5800	2000	8260B		10/25/2012	CJR	1
Methylene chloride	< 2200	ug/l	2200	6800	2000	8260B		10/25/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 1600	ug/l	1600	5000	2000	8260B		10/25/2012	CJR	1
Naphthalene	< 4200	ug/l	4200	13600	2000	8260B		10/25/2012	CJR	1
n-Propylbenzene	< 1180	ug/l	1180	3800	2000	8260B		10/25/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 1060	ug/l	1060	3400	2000	8260B		10/25/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 2000	ug/l	2000	6400	2000	8260B		10/25/2012	CJR	1
Tetrachloroethane	< 880	ug/l	880	2800	2000	8260B		10/25/2012	CJR	1
Toluene	1620 "J"	ug/l	1060	3400	2000	8260B		10/25/2012	CJR	1
1,2,4-Trichlorobenzene	< 3000	ug/l	3000	9200	2000	8260B		10/25/2012	CJR	1
1,2,3-Trichlorobenzene	< 2600	ug/l	2600	8400	2000	8260B		10/25/2012	CJR	1
1,1,1-Trichloroethane	19400	ug/l	1700	5400	2000	8260B		10/25/2012	CJR	1
1,1,2-Trichloroethane	< 940	ug/l	940	3000	2000	8260B		10/25/2012	CJR	1
Trichloroethene (TCE)	1980 "J"	ug/l	940	3000	2000	8260B		10/25/2012	CJR	1
Trichlorofluoromethane	< 3400	ug/l	3400	10600	2000	8260B		10/25/2012	CJR	1
1,2,4-Trimethylbenzene	< 1600	ug/l	1600	5000	2000	8260B		10/25/2012	CJR	1
1,3,5-Trimethylbenzene	< 1480	ug/l	1480	4800	2000	8260B		10/25/2012	CJR	1
Vinyl Chloride	1540	ug/l	360	1120	2000	8260B		10/25/2012	CJR	1
m&p-Xylene	< 2200	ug/l	2200	7000	2000	8260B		10/25/2012	CJR	1
o-Xylene	< 1600	ug/l	1600	5200	2000	8260B		10/25/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	107	REC %			2000	8260B		10/25/2012	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			2000	8260B		10/25/2012	CJR	1
SUR - Dibromofluoromethane	100	REC %			2000	8260B		10/25/2012	CJR	1
SUR - Toluene-d8	109	REC %			2000	8260B		10/25/2012	CJR	1

Lab Code 5024406N
 Sample ID EQUIP
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		10/23/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/23/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		10/23/2012	CJR	1
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		10/23/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/23/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/23/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		10/23/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		10/23/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		10/23/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		10/23/2012	CJR	1
Chloroform	0.73 "J"	ug/l	0.49	1.5	1	8260B		10/23/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		10/23/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		10/23/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/23/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		10/23/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		10/23/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406N
 Sample ID EQUIP
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/23/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		10/23/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		10/23/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		10/23/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/23/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		10/23/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		10/23/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		10/23/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		10/23/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		10/23/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		10/23/2012	CJR	8
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		10/23/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		10/23/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/23/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		10/23/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		10/23/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		10/23/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		10/23/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		10/23/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		10/23/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		10/23/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		10/23/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		10/23/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		10/23/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		10/23/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		10/23/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		10/23/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		10/23/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		10/23/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		10/23/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/23/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		10/23/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		10/23/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/23/2012	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.18	0.56	1	8260B		10/23/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		10/23/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		10/23/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		10/23/2012	CJR	1
SUR - 4-Bromofluorobenzene	107	REC %			1	8260B		10/23/2012	CJR	1
SUR - Dibromofluoromethane	98	REC %			1	8260B		10/23/2012	CJR	1
SUR - Toluene-d8	109	REC %			1	8260B		10/23/2012	CJR	1

Lab Code 5024406O
 Sample ID TRIP
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.5	ug/l	0.5	1.6	1	8260B		10/23/2012	CJR	1
Bromobenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/23/2012	CJR	1
Bromodichloromethane	< 0.68	ug/l	0.68	2.2	1	8260B		10/23/2012	CJR	1

Project Name FMR DF
 Project # 13097

Invoice # E24406

Lab Code 5024406O
 Sample ID TRIP
 Sample Matrix Water
 Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromoform	< 0.43	ug/l	0.43	1.4	1	8260B		10/23/2012	CJR	1
tert-Butylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		10/23/2012	CJR	1
sec-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		10/23/2012	CJR	1
n-Butylbenzene	< 0.9	ug/l	0.9	2.9	1	8260B		10/23/2012	CJR	1
Carbon Tetrachloride	< 0.47	ug/l	0.47	1.5	1	8260B		10/23/2012	CJR	1
Chlorobenzene	< 0.51	ug/l	0.51	1.6	1	8260B		10/23/2012	CJR	1
Chloroethane	< 1.4	ug/l	1.4	4.5	1	8260B		10/23/2012	CJR	1
Chloroform	< 0.49	ug/l	0.49	1.5	1	8260B		10/23/2012	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6.1	1	8260B		10/23/2012	CJR	1
2-Chlorotoluene	< 0.7	ug/l	0.7	2.2	1	8260B		10/23/2012	CJR	1
4-Chlorotoluene	< 0.44	ug/l	0.44	1.4	1	8260B		10/23/2012	CJR	1
1,2-Dibromo-3-chloropropane	< 2.8	ug/l	2.8	8.9	1	8260B		10/23/2012	CJR	1
Dibromochloromethane	< 0.55	ug/l	0.55	1.8	1	8260B		10/23/2012	CJR	1
1,4-Dichlorobenzene	< 0.98	ug/l	0.98	3.1	1	8260B		10/23/2012	CJR	1
1,3-Dichlorobenzene	< 0.87	ug/l	0.87	2.8	1	8260B		10/23/2012	CJR	1
1,2-Dichlorobenzene	< 0.76	ug/l	0.76	2.4	1	8260B		10/23/2012	CJR	1
Dichlorodifluoromethane	< 1.8	ug/l	1.8	5.9	1	8260B		10/23/2012	CJR	1
1,2-Dichloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		10/23/2012	CJR	1
1,1-Dichloroethane	< 0.98	ug/l	0.98	3.1	1	8260B		10/23/2012	CJR	1
1,1-Dichloroethene	< 0.6	ug/l	0.6	1.9	1	8260B		10/23/2012	CJR	1
cis-1,2-Dichloroethene	< 0.74	ug/l	0.74	2.4	1	8260B		10/23/2012	CJR	1
trans-1,2-Dichloroethene	< 0.79	ug/l	0.79	2.5	1	8260B		10/23/2012	CJR	1
1,2-Dichloropropane	< 0.4	ug/l	0.4	1.3	1	8260B		10/23/2012	CJR	1
2,2-Dichloropropane	< 1.9	ug/l	1.9	5.9	1	8260B		10/23/2012	CJR	8
1,3-Dichloropropane	< 0.71	ug/l	0.71	2.3	1	8260B		10/23/2012	CJR	1
Di-isopropyl ether	< 0.69	ug/l	0.69	2.2	1	8260B		10/23/2012	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		10/23/2012	CJR	1
Ethylbenzene	< 0.78	ug/l	0.78	2.5	1	8260B		10/23/2012	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	6.8	1	8260B		10/23/2012	CJR	1
Isopropylbenzene	< 0.92	ug/l	0.92	2.9	1	8260B		10/23/2012	CJR	1
p-Isopropyltoluene	< 0.92	ug/l	0.92	2.9	1	8260B		10/23/2012	CJR	1
Methylene chloride	< 1.1	ug/l	1.1	3.4	1	8260B		10/23/2012	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.8	ug/l	0.8	2.5	1	8260B		10/23/2012	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.8	1	8260B		10/23/2012	CJR	1
n-Propylbenzene	< 0.59	ug/l	0.59	1.9	1	8260B		10/23/2012	CJR	1
1,1,2,2-Tetrachloroethane	< 0.53	ug/l	0.53	1.7	1	8260B		10/23/2012	CJR	1
1,1,1,2-Tetrachloroethane	< 1	ug/l	1	3.2	1	8260B		10/23/2012	CJR	1
Tetrachloroethene	< 0.44	ug/l	0.44	1.4	1	8260B		10/23/2012	CJR	1
Toluene	< 0.53	ug/l	0.53	1.7	1	8260B		10/23/2012	CJR	1
1,2,4-Trichlorobenzene	< 1.5	ug/l	1.5	4.6	1	8260B		10/23/2012	CJR	1
1,2,3-Trichlorobenzene	< 1.3	ug/l	1.3	4.2	1	8260B		10/23/2012	CJR	1
1,1,1-Trichloroethane	< 0.85	ug/l	0.85	2.7	1	8260B		10/23/2012	CJR	1
1,1,2-Trichloroethane	< 0.47	ug/l	0.47	1.5	1	8260B		10/23/2012	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/23/2012	CJR	1
Trichlorofluoromethane	< 1.7	ug/l	1.7	5.3	1	8260B		10/23/2012	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.5	1	8260B		10/23/2012	CJR	1
1,3,5-Trimethylbenzene	< 0.74	ug/l	0.74	2.4	1	8260B		10/23/2012	CJR	1
Vinyl Chloride	< 0.18	ug/l	0.180.56		1	8260B		10/23/2012	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.5	1	8260B		10/23/2012	CJR	1
o-Xylene	< 0.8	ug/l	0.8	2.6	1	8260B		10/23/2012	CJR	1
SUR - Toluene-d8	106	REC %			1	8260B		10/23/2012	CJR	1
SUR - 1,2-Dichloroethane-d4	97	REC %			1	8260B		10/23/2012	CJR	1

Project Name FMR DF
Project # 13097

Invoice # E24406

Lab Code 50244060
Sample ID TRIP
Sample Matrix Water
Sample Date 10/15/2012

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		10/23/2012	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		10/23/2012	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

- 1 Laboratory QC within limits.
- 8 Closing calibration standard not within established limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature Michael J. Ricker

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

Chain # No. 281

Page 1 of 2

Lab I.D. # _____
 Account No. : _____ Quote No.: _____
 Project #: 13097
 Sampler: (signature) David Dailey

1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • FAX 920-733-0631

Sample Handling Request
 ___ Rush Analysis Date Required ___
 (Rushes accepted only with prior authorization)
 Normal Turn Around

Project (Name / Location): Farmer DF 2517 E Norwich, St. Francis, WI

Reports To:		Invoice To:		Analysis Requested										Other Analysis									
Kristen Kurzka		Company		DRO (Mod DRO Sep 95) GRO (Mod GRO Sep 95) IRON LEAD NITRATE / NITRITE PAH (EPA 8270) PVC (EPA 8021) PVC + NAPHTHALENE SULFATE VOC DW (EPA 524.2) VOC (EPA 8260) 8-PCRA METALS										PID/ FID									
Company Sigma Env		Company																					
Address 1300 W. Canal St.		Address																					
City State Zip Milw. WI 53233		City State Zip																					
Phone 414-643-4200		Phone																					
FAX		FAX																					

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	IRON	LEAD	NITRATE / NITRITE	PAH (EPA 8270)	PVC (EPA 8021)	PVC + NAPHTHALENE	SULFATE	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
50244061	Stnw 3	10-15-12	10:52		G	N	3	GW	HCL														
	B SML 4		11:00				3																
	C SPM-4		11:06				3																
	D MW 1		11:40				3																
	E MW 2		2:20				3																
	F MW 3		12:53				3																
	G MW 4		12:15				3																
	H MW 5		2:30				3																
	I MW 6		1:35				3																
	J MW 8		2:8				3																

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab. Method of Shipment: <u>Random</u> Temp. of Temp. Blank: ___ °C On Ice <input checked="" type="checkbox"/> Cooler seal intact upon receipt: <input checked="" type="checkbox"/> Yes ___ No	Relinquished By: (sign) <u>David Dailey</u>	Time <u>3:20</u>	Date <u>10-15-12</u>	Received By: (sign) _____	Time _____	Date _____
	Received in Laboratory By: <u>Christy Rose</u>	Time: <u>8:00</u>	Date: <u>10/16/12</u>			

