SECOND QUARTER 2014 MONITORING REPORT

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Dowagiac, Michigan

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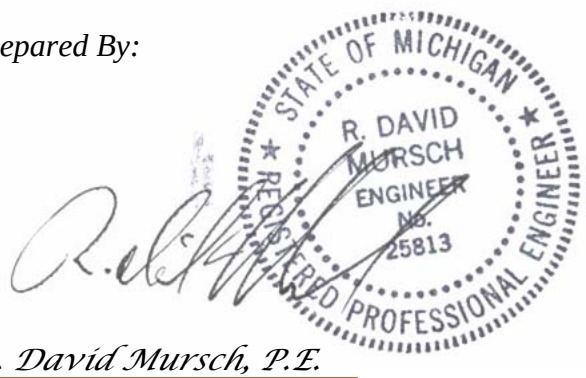

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1.0 INTRODUCTION

An industrial property at 415 Prairie Ronde Street in Dowagiac, Michigan was acquired by Prairie Ronde Realty Company (PRR) from the Sundstrand Corporation (UTC/Sundstrand) in 1995. The property was formerly used for manufacturing operations such as casting and re-drawing copper tubes. The shallow soil and groundwater beneath this plant were impacted by volatile organic compounds (VOCs), primarily trichloroethene (TCE) and 1,1,1-trichloroethane (TCA) prior to acquisition of the property by PRR. The contamination was discovered in 1983, and the impacted soil and groundwater have been actively remediated since 1984.

The plant is underlain by glacial outwash deposits. In general, there is an upper layer of medium to fine sand grading to sandy gravel. This upper layer is typically 50 to 60 feet thick within the main plant area, and groundwater in this layer occurs under water table conditions. Underlying this upper layer is a variable but persistent aquitard layer consisting of inter-bedded clay, fine silty sand, clayey silt and clayey sand, which has sometimes been referred to as the "clay layer". The aquitard is typically several feet thick but in some areas it is tens of feet thick. The soil below the aquitard consists of inter-bedded sand and gravel that together form a semi-confined aquifer, and there is an upward hydraulic gradient across the aquitard. There is VOC impact to the groundwater below the aquitard layer, but the area of impact is limited to the primary source area in the plant.

In 1984 a groundwater remediation system consisting of twelve purge wells was installed and put into operation under the terms of a Consent Judgment between UTC/Sundstrand (formerly Sundstrand Heat Transfer, Inc.) and the Michigan Department Environmental Quality (MDEQ). In 2004, MDEQ requested that the US Environmental Protection Agency (USEPA) assume the regulatory lead for this site and PRR subsequently entered into a voluntary Consent Agreement with EPA for completion of the site's environmental assessment and remediation.

Beginning in 1994, the plant voluntarily installed air sparging and soil vapor extraction (SVE) systems to expedite the remediation. During the last quarter of 2008, these systems were determined to have accomplished their design objectives and were shut down after notice to the USEPA.

In 2008 PRR initiated a pilot test of enhanced reductive dechlorination technology, which involved injecting a solution of Anaerobic BioChem plus zero-valent iron (ABC+) into the groundwater at the Oil and Solvent Room (OSR) inside the plant. The pilot testing has shown that ABC+ is effective at degrading chlorinated solvents at this site. During the first quarter of 2014 PRR completed ABC+ injections at the Back Door Area (BDA) and Old Borrow Pit (OBP) locations in accordance with the second revision of the *Work Plan for ABC Injection – Oil Storage Room, Back Door Area, Old Borrow Pit and Former Cupples Pond* dated August 1, 2011 (ABC+ Work Plan)

During 2012, testing showed TCE levels in the PRR building's indoor air that exceeded USEPA Regional Screening Levels (RSLs). PRR subsequently installed a sub-slab depressurization system (SSDPS) to reduce TCE levels in the sub-slab soil vapors and control migration of vapors into the building's occupied indoor air space.

The 1984 Consent Judgment requires periodic monitoring of the site's groundwater by sampling designated monitoring wells for analysis of VOCs. The monitoring program has been modified from time to time based on evolving site conditions and newly-installed sampling locations. The monitoring results for the second quarter of 2014 are presented in this report.

2.0 MONITORING SCOPE OF WORK AND PROCEDURES

The current monitoring program for the PRR site is outlined in the *Final Corrective Action Monitoring Plan* dated April 10, 2013 (the CAMP). The specific monitoring activities completed and reported for this quarter included:

- Sampling monitoring wells for VOC analysis.
- Sampling ten wells at the OSR, four wells at the BDA and three wells at the OBP for analyses of parameters related to a ABC+ injections.
- Monitoring Sub-Slab Depressurization System (SSDPS) emissions and sub-slab vacuum.
- Sampling indoor air and sub-slab soil vapors at the PRR Building for VOC analysis.
- Documentation of purge well operation and maintenance.

The following sections describe the work procedures for this quarter's monitoring. Figure 1 shows a plan of the PRR site including the sampling locations.

2.1 Groundwater Sampling

Groundwater samples were obtained from fifty-one monitoring wells designated in the CAMP and ten monitoring wells at the OSR associated with an ABC+ injection. The monitoring wells include conventional 2-inch monitoring wells and continuous multi-channel tubing (CMT) wells with sampling ports at multiple depths.

Prior to purging and sampling, the depth to water was measured at each of the monitoring wells. The measurements are listed in Table 1, along with the reference elevation at the top of the well and the calculated groundwater surface elevation at each well. These data were used to plot the potentiometric map shown in Figure 2.

The monitoring wells were generally purged using low-flow methods as described in *Low Flow (Minimal Drawdown) Ground-Water Sampling Procedures*, by Puls and Barcelona, EPA Ground Water issue September 1996. Most of the wells were purged using a peristaltic pump and ¼-inch polyethylene tubing. The tubing was set to the approximate midpoint of the screen in each well. The wells were purged by pumping through the tubing at a low flow rate (less than 500 milliliters per minute) with continuous monitoring of water quality parameters, including pH, conductivity, turbidity, dissolved oxygen and temperature. The flow rate was adjusted as necessary to minimize drawdown of the water level in the well; this ensures that the pumped water is being drawn through the well screen and is not standing water from inside the well. When the monitored water quality parameters stabilized, a groundwater sample was collected directly from the dedicated pump discharge tubing.

The samples for VOC analysis were collected in 40-milliliter (ml) septum-lid vials with laboratory-added hydrochloric acid as a preservative, packed in coolers with ice and delivered to Trimatrix Laboratories, Inc. in Grand Rapids to be analyzed for VOCs using EPA Method 8260. The field sampling data forms, chain-of-custody forms and laboratory analytical reports are included in Acrobat (*.pdf) format on the enclosed compact disc (CD). The data are presented on Table 2.

The seventeen wells sampled for the ABC+ evaluation at the OSR, BDA and OBP were collected into laboratory-provided containers and sent to Trimatrix Laboratories for analysis of:

- VOCs by EPA Method 8260;
- Total organic carbon (TOC) by Method SM 5310;
- Total iron and arsenic by EPA Methods 6010 and 6020;

The seven wells at the BDA and OBP were also sampled for analysis of dehalococcoides bacteria (DHC). After each of these wells were purged and sampled for the chemical analyses described above, samples for DHC analysis were obtained by pumping approximately 1 liter of water through a laboratory-provided filter. The filter was sealed, placed on ice and send to Microbial Insights, Inc. in Knoxville, Tennessee for analysis.

The field sampling data forms, chain-of-custody forms and laboratory analytical reports are included in *.pdf format on the enclosed compact disc (CD). The chemical and DHC data for the BDA and OBP are presented in Table 3; the data for the OSR are presented in Tables 4 and 5.

The TCE, cis-1,2 dichloroethene and vinyl chloride data for monitoring wells in the upper aquifer are mapped on Figures 3, 4 and 5. Figures 6 and 7 show geologic cross sections through the monitored area; and Figures 8 through 13 present time-trend graphs for TCE in selected wells.

For quality assurance/quality control (QA/QC) purposes a laboratory-prepared trip blank accompanied each of the sample sets. The data for the trip blanks are included in the laboratory reports. The laboratory's internal QA/QC program includes analyses of laboratory-prepared matrix and surrogate spikes and replicates; these data are also included in the laboratory reports.

2.2 Sub-Slab Depressurization System Monitoring

The plant began operation of a SSDPS in the summer of 2012 and has been monitoring sub-slab vacuum and air emissions related to this system. The SSDPS is designed to eliminate the potential migration pathway for soil vapors to pass up through the floor slab into the building. The air discharge from the system is regulated by permit from the MDEQ Air Quality Division.

The air emissions from the SSDPS are monitored for compliance with the MDEQ air permit on a quarterly basis. The emissions are estimated by analyzing the concentrations of VOCs in the soil vapor recovered through the system. These samples are obtained at a port in the 8-inch discharge pipe downstream from the SSDPS blower using a syringe. The syringe needle is inserted into the airstream in the discharge pipe and a 40-ml sample of air is extracted into the syringe. The 40-ml sample is then injected under pressure into a 20-ml septum vial. The sample is sent to Microseeps Inc. in Pittsburgh for analysis of chlorinated VOCs by Method AM 4.02. The Microseeps Inc. laboratory reports are included in Acrobat (*.pdf) format on the enclosed data CD. In conjunction with the air sample, the air flow rate is measured with a digital anemometer that is inserted into the airstream in the discharge pipe; the air flow rate and VOC concentrations are used to calculate the VOC emissions rate. The data for this quarter are shown on Table 6.

The monitoring program includes measuring the differential pressure between the indoor air of the plant and the sub-slab soil vapor using a digital manometer on a monthly basis, to verify that the system is maintaining a net vacuum beneath the slab. This vacuum prevents sub-slab vapors from migrating upward into the indoor air of the building. The data for this quarter are shown on Table 7.

2.3 Indoor Air and Sub-Slab Soil Vapor Monitoring

During this quarter indoor air and sub-slab soil vapors inside the PRR building were sampled. The indoor air samples were collected using 6-liter Summa canisters equipped with critical orifice flow regulators sized to collect the air sample over a 24-hour period. Each canister was pre-labeled by the laboratory with a canister designation number. The canister number and sample location were recorded on Canister Field Data Records (CFDRs). The canister vacuum was measured in the field at deployment using an integrated vacuum gauge, and recorded in the CFDRs. The flow regulator was installed on the canister, the canister was opened fully, and the start time and initial vacuum were recorded. Other data recorded included the exterior and interior temperature and barometric pressure at the start and end of the sample period, equipment serial numbers, and sampler name. The canister valve was closed at the end of the sampling period and the end time and final canister vacuum were recorded. The flow regulator was removed and a safety cap was placed on the canister inlet. The sub-slab soil vapor samples were collected using 6-Liter Summa canisters as described above, except that the canister inlets were connected to sub-slab vapor monitoring points (VMPs) via nylon tubing.

The samples were sent to PACE Analytical Services, Inc. in Minneapolis, Minnesota for analysis of chlorinated VOCs using Method TO-15. The chain of custody documentation and laboratory reports are included on the appended data CD. The data are summarized in Tables 8 and 9 and are plotted in Figure 14. A summary of historical indoor air and sub-slab vapor TCE data is shown in Table 10.

2.4 Operation and Maintenance Documentation

The purge well system is inspected and tested on a quarterly basis by Peerless Midwest Inc. The purge well operating data for this quarter are summarized in Table 11.

3.0 MONITORING RESULTS AND EVALUATION

The results of the monitoring for this quarter are summarized in the tables and figures in this report, and are discussed in the following sections.

3.1 Groundwater Monitoring Results

The potentiometric surface and VOC analytical data (Tables 1 and 2, Figures 2 through 7) demonstrate that the horizontal and vertical limits of VOC-impacted groundwater are stable or being reduced. The time-trend graphs (Figures 8 through 13) demonstrate that VOC concentrations are generally declining throughout the impacted area.

Figure 3 shows a map of the TCE data. Two GSI compliance monitoring wells, 02-02 and 98-245A, had TCE concentrations above the Part 201 generic GSI criteria (210 and 230 µg/l detected compared to the GSI criterion of 200 µg/l for TCE). No other VOCs were detected above the respective GSI criteria in any of the GSI compliance monitoring wells.

The VOC concentrations in 98-245A are generally trending down and have fluctuated in the range of 110 to 320 µg/l in the past two years. This GSI compliance monitoring point is associated with purge well PW-5 and that purge well will continue to operate until the shutdown criteria are met.

At well 02-02, the TCE concentrations have been below the GSI criterion for several years prior to this quarter. This well is a GSI compliance monitoring point for purge well PW-10, which was turned off last year in accordance with the *Revised Purge Well Shutdown Criteria* dated February 6, 2012. The TCE concentration n this well has since rebounded to above the GSI criterion and therefore purge well PW-10 has been placed back into operation as required by the purge well shutdown criteria. PW-10 will remain in operation until monitoring well 02-02 meets the shutdown criteria.

In 2013 PRR installed GSI monitoring well 13-224A adjacent to well 98-224B, to monitor GSI compliance for purge well PW-16. Well 13-224A has now had VOC concentrations below the GSI criteria for four consecutive quarterly sampling events. The other three monitoring wells associated with purge well PW-16 (98-224A, 02-03 and 02-04) have been below the GSI criteria for several years. Therefore PW-16 meets the criteria for shutdown outlined in the document cited above.

3.2 ABC+ Injections at OBP and BDA

During this quarter PRR performed monitoring related to an injection of ABC+ at the BDA and the OBP. The seven ABC+ area monitoring wells in these two locations were sampled as outlined in the ABC+ Work Plan and the data are shown in Table 3. This table also includes monitoring data obtained in January and March of 2014 that were previously reported.

OBP – the data do not show much impact from the ABC injection at the OBP. This may be partly because this injection was made into very shallow fine silty sand during a period of very cold weather. There are some indications that the injection is beginning to have a minor impact; for example, at well 96-203A, which is at the center of the injection area, there is a slight increase in iron and manganese and a small drop in DO since the injection. Also, the TCE may have come down slightly with concurrent increase of cis, however the data are not conclusive and could also reflect a natural fluctuation within the historical ranges. Nitrate is suppressed but sulfate seems unaffected and there is no apparent increase in TOC. There has been a very slight growth of DHC. Wells 98-223A and 98-223B are just down-gradient of the injection area and these well show no discernible impact from the injection.

BDA – Significant impacts are seen in both the shallow and deep parts of the ABC+ injection area at the BDA. The two shallow wells within the injection zone, 98-220A and 98-226A, both show a decline in TCE to historical low ranges and there are significant levels of cis-1,2 dichloroethene at these locations. Both wells have some slight indication of DHC growth. However, in both wells the TOC is being depleted and the nitrate and sulfate are only slightly suppressed.

In the deeper zone at the BDA, well 98-225A shows more impact than the shallow-zone wells. This well has a significantly reduced TCE concentration and increased cis-1,2 dichloroethene compared to historical ranges; suppressed nitrate; slightly suppressed sulfate; and some DHC growth. The TOC is being depleted at this well also.

The down-gradient deep-zone well IW-9 also shows some indications of impact with slightly suppressed nitrate and development of DHC. This well showed some initial increase in iron and TOC levels but these have essentially dropped back to normal levels.

3.3 ABC+ Injection at OSR

PRR continues to monitor the OSR area for ongoing evaluation of the ABC+ injections. The data for this quarter are presented in Table 4, and Table 5 summarizes the ABC+ monitoring data obtained since the last OSR injection in January 2013.

These data generally show that the wells in and down-gradient of the injection area have significant presence of DHC colonies and all have indications that vinyl chloride is being degraded (i.e. formation of ethene with concurrent decreases in vinyl chloride). TCE levels have dramatically decreased and in most wells the cis-1,2 dichloroethene and vinyl chloride also are declining. Also the manganese and arsenic levels have stabilized or are decreasing, the nitrate and sulfate are depressed, dissolved oxygen is low, the pH range is acceptable and total organic carbon remains at an adequate level to support biodegradation. The TCE concentrations remain much lower than the original levels at the OSR before the start of ABC+ treatment.

At IW-1, the latest data set shows an increase in vinyl chloride to 25,000 ug/l, which was accompanied by a drop in TCE and cis-1,2 dichloroethene. There was also an increase in ethene and there was a very large DHC count in the March data for this well. These data indicate that the vinyl chloride is being formed through degradation of TCE and it is then being degraded by DHC bacteria to ethene as it is formed.

At TW-1 there was a rebound in TCE and 1,1,1-trichloroethane, along with an increase in all of the degradation products; cis-1,2 dichloroethene, vinyl chloride, and ethene for the TCE, and 1,1-dichloroethane, 1,1-dichloroethene, and ethane for the 1,1,1-trichloroethane. It appears that the ABC+ is causing additional solvent to come into the dissolved phase at this location, and it is being degraded as it does so. This is exactly the process that the injections were intended to develop here; that is as solvent (residing in occluded free-phase form) moves into the dissolved phase, it is degraded before it can move out of the source area.

3.4 Sub-Slab Depressurization System Monitoring Results

The SSDPS monitoring included measuring vacuums beneath the PRR building slab and analyzing the air emissions from the system's blower.

During this quarter the air emissions from the SSDPS were measured as summarized on Table 6. The data showed a TCE concentration of 0.4 milligrams per cubic meter (mg/m^3) and an air flow rate

(corrected to standard temperature) of 477 cubic feet per minute (cfm). The total VOC emissions rate was calculated from these data as 0.001 pounds per hour (pph), which is well below the limits allowed in the air permit for this system. In accordance with the air permit, PRR will continue to measure air emissions on a quarterly basis.

The vacuum measurements obtained in this quarter are shown on Table 7 and demonstrate that the SSDPS is maintaining a net vacuum beneath the slab, which should control migration of vapors from the soil into the PRR building through the slab.

3.5 Indoor Air and Sub-Slab Soil Vapor Monitoring Results

The indoor air and sub-slab soil vapor analytical data for this quarter are summarized on Tables 8 and 9 respectively. For reference these tables include USEPA's Regional Screening Levels (RSL) for indoor air and sub-slab soil vapors at industrial sites. In addition, Table 10 shows a summary of historical TCE data for indoor air and sub-slab soil vapor.

During this quarter none of the indoor air monitoring points had any compound above the respective RSL. As shown on Table 10, only one indoor air sample has exceeded the indoor air RSL in any of the last four quarterly sampling events.

The sub-slab soil vapor TCE levels were above the RSL at three locations; PRR office/VMP11, Velthouse Antiques/VMP-13, and Quality Trucking/VMP-16. The indoor air readings at all of these locations were below the indoor air RSLs and the data are consistent with historical patterns, showing a continued long-term declining trend.

PRR has been aggressively improving the indoor air positive ventilation in the large unoccupied areas of the building as well as at Michigan Precision, and these efforts have been effective in reducing the indoor air TCE levels. PRR intends to continue these efforts and also will continue to identify and seal floor cracks.

3.6 Operation and Maintenance

The purge well operational data are summarized on Table 11. There were no significant maintenance issues for the purge well and air stripper systems during this quarter.

4.0 CONCLUSIONS

This report presents the results of the regular quarterly monitoring at the PRR site for the second quarter of 2014. The data demonstrate that VOC concentrations in the groundwater are below the GSI at all but two of the GSI compliance monitoring wells, the horizontal and vertical extent of impact is stable or being reduced, and the concentrations of VOCs in groundwater continue to decline.

Based on the monitoring results at new GSI compliance monitoring well 13-224A, purge well PW-16 now meets the criteria for shutdown and this purge well has been shut down. At this time purge wells PW-5 and PW-10 continue in operation.

PRR completed an additional injection of ABC+ material at the OSR during January of 2013 and the data from this quarter continue to demonstrate that the injection successfully suppressed sulfate levels, increased the organic substrate and increased the presence of vinyl chloride-reducing bacteria.

PRR also completed ABC+ injections at two other areas of the plant, the BDA and OBP, during January 2014 and the data show some indications that the injections have had a significant impact at the BDA, with declining TCE and appearance of degradation products and DHC, and development of reducing conditions. However the TOC is being depleted and a supplemental injection of ABC+ material may be required at this location to sustain biodegrading conditions. At the OBP there is very limited indication of impact from the ABC+ injection, possibly due to the nature of the aquifer and cold weather; additional substrate injection may be necessary at this location also.

The SSDPS monitoring continues to demonstrate that the system is operating as intended; the SSDPS system is reducing VOC concentrations in the sub-slab soil vapor and is maintaining a net vacuum beneath the building's floor slab. Monitoring of the indoor air and sub-slab soil vapors demonstrate that the TCE levels in the building's indoor air are below the relevant USEPA RSL. PRR continues to implement contingency measures, including improved ventilation, in the building.

TABLE 1: GROUNDWATER LEVEL MEASUREMENTS - MAY, 2014

LOCATION	REFERENCE ELEVATION, FEET	ORIGINAL RECORDED WELL DEPTH, FEET	CHECK DEPTH, FEET	DEPTH TO WATER, FEET	GROUND WATER ELEVATION, FEET
MONITORING WELLS:					
83-17A	743.36	17	17.0	9.41	733.95
83-17B	743.95	43	42.0	9.95	734.00
83-19A	743.88	17	16.0	6.49	737.39
83-19B	743.80	41	40.0	6.43	737.37
83-21A	741.51	22	22.0	8.30	733.21
83-21B	741.88	47	47.0	8.64	733.24
83-23A	742.80	17	17.0	8.59	734.21
83-23B	743.21	40	40.0	8.79	734.42
83-24A	752.02	17	16.0	5.75	746.27
83-24B	752.43	40	39.0	6.33	746.10
83-28A	737.42	21	21.0	3.61	733.81
83-28B	737.47	57	56.0	3.53	733.94
96-202B	772.47	63	63.2	24.63	747.84
96-203A	757.72	26	26.3	14.12	743.60
97-212B	738.68	53	53.0	6.63	732.05
97-213B	742.15	43	42.0	10.17	731.98
97-214B	769.56	40	40.2	20.96	748.60
98-215A	770.27	30	30.0	21.72	748.55
00-216A	769.53	35	34.9	24.31	745.22
98-218B	771.24	45	45.0	28.36	742.88
98-220A	765.45	30	30.2	17.36	748.09
98-221A	765.26	30	29.6	17.36	747.90
98-223A	742.22	23	22.6	8.38	733.84
98-223B	742.33	48	47.9	8.43	733.90
13-224A	--	24	23.6	17.56	--
98-224B	749.64	42	41.6	16.73	732.91
98-225B	765.70	54	54.1	17.52	748.18
98-226A	765.53	30	29.3	17.36	748.17
98-244A	740.77	33	32.2	8.81	731.96
98-245A	739.85	33	32.2	6.88	732.97
02-02	759.83	32	32.1	15.28	744.55
02-03	757.90	64	64.0	23.54	734.36
02-04	758.46	42	42.0	24.12	734.34
05-14	771.15	30	30.1	23.89	747.26
05-15	766.20	25	25.0	18.06	748.14
05-16	758.08	29	28.9	21.73	736.35
06-17 / 1	769.53	30	--	21.51	748.02
06-18 / 1	770.13	30	--	21.66	748.47
06-19 / 1	761.45	25	--	13.24	748.21
06-20 / 1	741.22	15	--	7.51	733.71
06-21 / 1	741.54	15	--	9.68	731.86
STAFF GAUGES:					
SG-1	757.45	--	--	1.95	755.50
SG-2	749.92	--	--	2.38	747.54
SG-4	733.67	--	--	4.03	729.64
SG-6	734.71	--	--	2.35	732.36
SG-9	735.82	--	--	3.79	732.03

-- = Not measured or not available.

TABLE 2: SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER - MAY 2014 (Page 1 of 3)

WELL	DEPTH, FEET	TRICHLORO ETHENE	1,1,1-TRICHLOROETHANE	CIS-1,2 DICHLOROETHENE	TRANS-1,2-DICHLOROETHENE	VINYL CHLORIDE	11-DICHLOROETHENE	11-DICHLOROETHANE
Part 201 GSI Criterion		**200**	**89**	**620**	**1,500**	**13**	**130**	**740**
GSI COMPLIANCE MONITORING WELLS								
83-17A	17	< 1	< 1	< 1	< 1	< 1	< 1	< 1
83-17B	42	43	< 1	35	1.6	< 1	< 1	< 1
83-19A	15	3.0	< 1	< 1	< 1	< 1	< 1	< 1
83-19B	41	130	1.2	33	1.7	13	< 1	< 1
83-21A	21	2.7	< 1	< 1	< 1	< 1	< 1	< 1
83-21B	47	37	< 1	7.4	1.4	< 1	< 1	< 1
83-28A	20	< 1	< 1	110	13	< 1	< 1	< 1
83-28B	53	6.0	< 1	19	< 1	3.5	< 1	< 1
13-224A	24	25	< 1	31	1.8	< 1	< 1	< 1
98-224B	42	89	< 1	8.9	< 1	< 1	< 1	< 1
98-245A	33	**210**	< 2	27	2.2	< 2	< 2	< 2
02-02	32	**230**	5.2	2.1	< 2	**20**	< 2	< 2
02-03	64	1.6	< 1	< 1	< 1	< 1	< 1	< 1
02-04	42	130	< 1	26	4.7	< 1	< 1	< 1
05-15	25	3.1	< 1	< 1	< 1	< 1	< 1	< 1
05-16	29	8.1	< 1	< 1	< 1	< 1	< 1	< 1
06-17 / 1	30	93	4.2	6.0	< 1	3.3	< 1	< 1
06-17 / 2	50	160	20	24	< 1	< 1	1.1	1.5
06-20 / 1	15	< 1	< 1	< 1	< 1	< 1	< 1	< 1
06-20 / 2	30	< 1	< 1	< 1	< 1	< 1	< 1	< 1

TABLE 2: SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER - MAY 2014 (Page 2 of 3)

WELL	DEPTH, FEET	TRICHLORO ETHENE	1,1,1-TRICHLOROETHANE	CIS-1,2 DICHLOROETHENE	TRANS-1,2-DICHLOROETHENE	VINYL CHLORIDE	11-DICHLOROETHENE	11-DICHLOROETHANE
Part 201 GSI Criterion		**200**	**89**	**620**	**1,500**	**13**	**130**	**740**
MNA MONITORING WELLS								
83-23A	17	1.0	< 1	< 1	< 1	< 1	< 1	< 1
83-23B	40	**280**	7.7	27	< 2	< 2	< 2	5.3
83-24A	16	27	< 1	3.7	< 1	< 1	< 1	< 1
83-24B	39	4.0	< 1	20	< 1	< 1	< 1	< 1
96-202B	63	1.9	3.2	100	< 1	5.2	3.5	< 1
97-212B	53	88	< 1	88	4.0	1.3	1.0	< 1
97-213B	43	7.0	< 2.5	290	36	11	< 2.5	< 2.5
00-216A	35	38	< 1	8.7	1.8	< 1	< 1	< 1
98-218B	45	45	< 1	33	6.9	< 1	< 1	< 1
98-221A	30	5.7	< 1	1.9	< 1	< 1	< 1	< 1
98-244A	33	1.1	< 1	130	9.5	< 1	< 1	< 1
05-14	30	97	1.3	18	< 1	5.9	< 1	< 1
06-19 / 1	25	1.5	< 1	1.2	< 1	< 1	< 1	< 1
06-19 / 2	40	120	< 1	12	< 1	< 1	< 1	< 1
06-19 / 3	55	110	< 1	55	3.4	1.9	< 1	< 1
06-20 / 3	45	110	< 1	37	1.3	< 1	< 1	< 1
06-20 / 4	60	< 2	< 2	170	< 2	3.8	< 2	< 2
06-21 / 1	15	< 1	< 1	< 1	< 1	< 1	< 1	< 1
06-21 / 2	30	1.6	< 1	< 1	< 1	< 1	< 1	< 1
06-21 / 3	45	5.7	< 1	11	< 1	< 1	< 1	< 1
06-21 / 4	60	< 1	< 1	120	3.9	1.8	< 1	< 1
IW-11	50	**280**	< 2.5	420	12	< 2.5	< 2.5	< 2.5
IW-14	45	4.0	2.0	5.9	< 1	**35**	1.7	5.3
IW-18	50	1.4	< 1	160	9.5	2.8	< 1	< 1
IW-21	69	120	< 2.5	340	27	< 2.5	< 2.5	< 2.5
IW-24	58	**430**	< 5	300	6.5	**16**	< 5	< 5

TABLE 2: SUMMARY OF VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER - MAY 2014 (Page 3 of 3)

WELL	DEPTH, FEET	TRICHLORO ETHENE	1,1,1-TRICHLOROETHANE	CIS-1,2 DICHLOROETHENE	TRANS-1,2-DICHLOROETHENE	VINYL CHLORIDE	11-DICHLOROETHENE	11-DICHLOROETHANE
Part 201 GSI Criterion		**200**	**89**	**620**	**1,500**	**13**	**130**	**740**
OLD BORROW PIT ABC+ INJECTION AREA MONITORING WELLS								
96-203A*	26	**360**	< 2.5	140	< 2.5	< 2.5	< 2.5	< 2.5
98-223A*	23	160	< 1	76	< 1	< 1	< 1	< 1
98-223B*	48	180	< 2	19	< 2	< 2	< 2	< 2
BACKDOOR AREA ABC+ INJECTION AREA MONITORING WELLS								
98-220A*	30	**140**	< 1	34	< 1	< 1	< 1	< 1
98-225B*	54	65	< 2.5	**2,000**	27	5.2	2.8	< 2.5
98-226A*	30	**310**	< 2	29	< 2	< 2	< 2	< 2
IW-9*	60	160	< 2	< 2	< 2	< 2	< 2	< 2
OIL STORAGE ROOM ABC+ INJECTION AREA MONITORING WELLS								
97-214B*	40	< 1	< 1	2.0	< 1	**19**	< 1	< 1
98-215A*	30	29	1.9	20	< 1	< 1	< 1	< 1
TW-1*	30	**3,800**	**4,800**	**180,000**	740	**1,000**	**1,100**	**1,400**
TW-2*	30	< 5	52	310	< 5	**480**	< 5	34
TW-3*	30	18	28	300	< 2	**190**	< 2	50
TW-4*	50	< 1	< 1	< 1	< 1	5.0	< 1	< 1
IW-1*	54	71	61	**26,000**	110	**25,000**	120	**900**
06-18 / 1*	30	12	41	80	< 1	**76**	< 1	80
06-18 / 2*	50	130	4.6	28	< 1	**120**	< 1	1.3

NOTES:

All samples were analyzed by EPA Method 8260; results are micrograms per liter

< = Less than

Bold = Exceeds GSI criterion

* = Sampled for ABC+ pilot test parameters; see Table 3

TABLE 3: ABC+ DATA AT BACK DOOR AREA AND OLD BORROW PIT (Page 1 of 2)

LOCATION	BACKDOOR AREA											
	98-220A			98-225B			98-226A			IW-9		
	1/22/14	3/19/14	5/13/14	1/22/14	3/19/14	5/13/14	1/22/14	3/19/14	5/13/14	1/22/14	3/19/14	5/13/14
Ethane	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylene	<1	<1	<1	1.6	<1	<1	<1	<1	<1	<1	<1	<1
Methane	0.85	6.5	7.2	9.4	110	290	<0.5	<0.5	<0.5	1.0	4.7	2.3
Trichloroethene	420	250	140	210	78	65	580	380	310	180	160	160
cis-1,2 Dichloroethene	<5	33	34	2,400	1,900	2,000	<5	61	29	2.7	<2	<2
trans-1,2 Dichloroethene	<5	<2	<1	53	19	27	<5	<5	<2	<1	<2	<2
Vinyl Chloride	<5	<2	<1	<2.5	4.4	5.2	<5	<5	<2	<1	<2	<2
1,1,1-Trichloroethane	<5	<2	<1	<2.5	<2.5	<2.5	<5	<5	<2	2.0	<2	<2
1,1-Dichloroethene	<5	<2	<1	6.2	2.7	2.8	<5	<5	<2	<1	<2	<2
1,1-Dichloroethane	<5	<2	<1	<2.5	<2.5	<2.5	<5	<5	<2	<1	<2	<2
Iron	5,600	7,500	2,300	5,600	3,700	2,500	960	1,200	510	41	250	<10
Manganese	--	2,000	820	--	690	450	--	340	160	--	190	140
Arsenic	5.1	--	7.1	3.2	--	2.7	4.5	--	2.4	<1	--	<1
Nitrate	1,400	340	160	<50	<50	60	200	420	700	660	300	91
Sulfate	11,000	7,600	17,000	14,000	18,000	17,000	8,500	22,000	20,000	19,000	22,000	21,000
Total Organic Carbon	190,000	79,000	3,800	75,000	31,000	22,000	68,000	3,100	1,100	950	610	620
pH (standard units)	6.8	6.5	7.3	6.8	6.6	7.3	7.0	6.6	7.3	7.3	6.8	7.3
Dissolved Oxygen (mg/L)	--	0.21	0.18	--	0.23	0.19	--	0.26	0.31	--	0.26	0.23
DHC (cells per milliliter)	<0.5	--	1.3	<0.5	--	82.2	<0.5	--	64.3	<0.5	--	65
DHC / tceA	<0.5	--	<0.5	<0.5	--	0.7	<0.5	--	6.8	<0.5	--	0.3 (j)
DHC / bvcA	<0.5	--	<0.5	<0.5	--	0.1 (j)	<0.5	--	2.5	<0.5	--	<0.4

NOTES: All units are in micrograms per liter unless otherwise shown
DHC = Dehalococcoiddes bacteria
< = Less than
-- = Not sampled

TABLE 3: ABC+ DATA AT BACK DOOR AREA AND OLD BORROW PIT (Page 2 of 2)

LOCATION	OLD BORROW PIT								
	96-203A			98-223A			98-223B		
	1/22/14	3/19/14	5/13/14	1/22/14	3/19/14	5/13/14	1/22/14	3/19/14	5/13/14
Ethane	<1	<1	<1	<1	<1	<1	<1	<1	<1
Ethylene	<1	<1	<1	<1	<1	<1	<1	<1	<1
Methane	3.5	3.5	2.2	1.4	<0.5	<0.5	2.1	2.3	0.85
Trichloroethene	470	500	360	190	170	160	190	210	180
cis-1,2 Dichloroethene	24	23	140	49	120	76	25	20	19
trans-1,2 Dichloroethene	<5	<5	<2.5	1.4	104	<1	<2	<2	<2
Vinyl Chloride	<5	<5	<2.5	<1	<1	<1	<2	<2	<2
1,1,1-Trichloroethane	<5	<5	<2.5	<1	<1	<1	<2	<2	<2
1,1-Dichloroethene	<5	<5	<2.5	<1	<1	<1	<2	<2	<2
1,1-Dichloroethane	<5	<5	<2.5	<1	<1	<1	<2	<2	<2
Iron	800	420	370	11	16	17	92	73	83
Manganese	--	190	110	--	<10	<10	--	73	49
Arsenic	<1	--	<1	<1	--	<1	<1	--	<1
Nitrate	<50	<50	<50	96	960	170	<50	<50	<50
Sulfate	27,000	24,000	23,000	25,000	24,000	25,000	28,000	28,000	26,000
Total Organic Carbon	800	670	670	860	960	880	620	660	630
pH (standard units)	7.3	6.8	7.3	7.0	6.5	7.1	7.2	6.7	7.3
Dissolved Oxygen (mg/L)	--	0.61	0.22	--	2.80	3.05	--	0.40	0.24
DHC (cells per milliliter)	<0.5	--	18.2	<0.5	--	0.7	<0.5	--	14
DHC / tceA	<0.5	--	0.2 (j)	<0.5	--	<0.5	<0.5	--	<0.5
DHC / bvcA	<0.5	--	<0.5	<0.5	--	<0.5	<0.5	--	<0.5

NOTES: All units are in micrograms per liter unless otherwise shown
DHC = Dehalococcoiddes
< = Less than
-- = Not sampled

TABLE 4: ABC+ GROUNDWATER DATA AT OIL STORAGE ROOM - MAY 2014

LOCATION	IW-1	97-214B	TW-1	TW-2	TW-3	TW-4	96-201B	98-215A	06-18 / 1	06-18 / 2
Ethane	6.0	13	780	11	58	<1	--	33	26	<1
Ethylene	1,400	5.6	100	33	170	2.2	--	<1	640	150
Methane	6,600	6,400	320	4,900	800	190	--	810	1,800	330
Trichloroethene	71	<1	3,800	<5	18	<1	--	29	12	130
cis-1,2 Dichloroethene	26,000	2.0	180,000	310	300	<1	--	20	38	28
trans-1,2 Dichloroethene	110	<1	740	<5	<2	<1	--	<1	<1	<1
Vinyl Chloride	25,000	19	1,000	480	190	5.0	--	<1	76	120
1,1,1-Trichloroethane	61	<1	4,800	52	28	<1	--	1.9	41	4.6
1,1-Dichloroethene	120	<1	1,100	<5	<2	<1	--	<1	<1	<1
1,1-Dichloroethane	900	<1	1,400	34	50	<1	--	<1	80	1.3
Iron	45,000	9,400	70,000	7,400	5,900	3,800	--	39	2,500	39
Manganese	440	260	1,200	120	1,000	94	--	19	200	<10
Arsenic	4.6	20	53	17	6.9	13	--	<1	11	<1
Nitrate	<50	<50	<50	84	<50	<50	--	5,300	<50	57
Sulfate	<5,000	6,800	<5,000	<5,000	13,000	13,000	--	19,000	<5,000	9,800
Total Organic Carbon	200,000	40,000	260,000	28,000	11,000	810	--	4,400	24,000	630
pH (standard units)	6.5	7.2	6.5	7.4	7.3	7.6	--	7.3	7.6	7.3
Dissolved Oxygen	0.09	0.18	0.20	0.18	0.21	0.20	--	0.4	0.24	0.24

NOTES: All chemical data are in micrograms per liter; units for field parameters are as shown

mg/L = Milligrams per liter

< = Less than

J = Estimated value below laboratory detection limit

-- = Not sampled

TABLE 5 - ABC+ ANALYTICAL DATA AT OIL STORAGE ROOM, JANUARY 2013 THROUGH MAY 2014 (page 1 of 5)

LOCATION	IW-1						97-214B					
	Jan, 2013	Mar, 2013	May, 2013	Aug, 2013	Nov, 2013	May, 2014	Jan, 2013	Mar, 2013	May, 2013	Aug, 2013	Nov, 2013	May, 2014
Ethane	--	<1	8.9	7.4	--	6.0	--	43	13	8.3	--	13.0
Ethylene	--	8	73	190	--	1,400	--	14	12	6.2	--	5.6
Methane	--	160	8,600	15,000	--	6,600	--	4,500	8,100	8,200	--	6,400
Trichloroethene	<500	5,000	8,900	4,700	1,700	71	<10	1.4	<1	<1	<1	<1
cis-1,2 Dichloroethene	51,000	47,000	39,000	11,000	31,000	26,000	1,000	9.9	1.0	9.8	1.0	2.0
trans-1,2 Dichloroethene	<500	<500	<250	56	85	110	<10	<1	<1	<1	<1	<1
Vinyl Chloride	11,000	2,500	2,000	1,400	4,100	25,000	250	39	19	25	44	19
1,1,1-Trichloroethane	<500	<500	<250	10	<25	61	59.0	<1	<1	<1	<1	<1
1,1-Dichloroethene	<500	<500	<250	88	<25	120	<10	<1	<1	<1	<1	<1
1,1-Dichloroethane	890	1,000	820	290	510	900	110	13	2.6	9.8	1.6	<1
Iron	35,000	280,000	240,000	120,000	66,000	45,000	3,700	33,000	15,000	27,000	14,000	9,400
Manganese	--	--	2,200	1,000	730	440	--	--	500	560	390	260
Arsenic	4.6	12	3.4	2.4	6.8	4.6	14	22	22	17	16	20
Nitrate	<50	<50	<50	210	--	<50	<50	<50	<50	<50	--	<50
Sulfate	6,900	11,000	11,000	<5,000	--	<5,000	8,200	<5,000	<5,000	7,500	--	6,800
Total Organic Carbon	180,000	13,000,000	3,200,000	580,000	300,000	200,000	16,000	210,000	88,000	180,000	77,000	40,000
pH (standard units)	6.8	4.8	5.4	6.0	6.1	6.5	7.7	6.0	6.9	6.4	6.4	7.2
Dissolved Oxygen (mg/L)	0.21	0.22	0.14	0.04	0.04	0.09	0.19	0.19	0.13	0.10	0.10	0.18
Dehalococcoiddes (DHC)	--	529,000	220,000	982,000	6,940,000	--	--	63,700	4,720	69,600	122,000	--
DHC / tceA	--	<1.7	<1.7	<2.8	<2.5	--	--	3,290	514	22,800	37,900	--
DHC / bvcA	--	890,000	54,400	1,670,000	15,400,000	--	--	15,800	8,750	5,060	296,000	--

NOTES:

All chemical data are in micrograms per liter; units for field parameters are as shown

Biologic data are in units of cells per milliliter

mg/L = milligrams per liter

< = Less than

-- = Not sampled

TABLE 5 - ABC+ ANALYTICAL DATA AT OIL STORAGE ROOM, JANUARY 2013 THROUGH MAY 2014 (page 2 of 5)

LOCATION	TW-1						TW-2					
	Jan, 2013	Mar, 2013	May, 2013	Aug, 2013	Nov, 2013	May, 2014	Jan, 2013	Mar, 2013	May, 2013	Aug, 2013	Nov, 2013	May, 2014
Ethane	--	43	76	46	--	780	--	47	47	38	--	11
Ethylene	--	9.0	44	38	--	100	--	8.5	38	19	--	33
Methane	--	1,100	670	540	--	320	--	3,000	3,000	2,700	--	4,900
Trichloroethene	<200	<50	38	67	54	3,800	<10	<10	<10	<10	<2.5	<5
cis-1,2 Dichloroethene	15,000	20,000	17,000	38,000	52,000	180,000	1,200	1,300	1,600	1,500	2,200	310
trans-1,2 Dichloroethene	<200	<50	20	210	<50	740	<10	12	10	<10	9.1	<5
Vinyl Chloride	78J	76	170	190	410	1,000	61	62	400	46	230	480
1,1,1-Trichloroethane	640	940	370	1,500	1,600	4,800	90	120	130	110	59	52
1,1-Dichloroethene	<200	140	130	340	350	1,100	<10	10	<10	<10	15	<5
1,1-Dichloroethane	<200	390	590	1,200	1,000	1,400	57	80	89	58	160	34
Iron	29,000	230,000	150,000	92,000	76,000	70,000	13,000	9,800	6,600	5,800	8,100	7,400
Manganese	--	--	2,100	1,500	1,300	1,200	--	--	140	130	160	120
Arsenic	54	110	95	71	62	53	18	15	15	13	14	17
Nitrate	<50	<50	<50	60	--	<50	<50	<50	<50	90	--	84
Sulfate	<5,000	<5,000	<5,000	<5,000	--	<5,000	5,200	<5,000	<5,000	<5,000	--	<5,000
Total Organic Carbon	72,000	5,600,000	4,100,000	2,000,000	700,000	260,000	36,000	20,000	19,000	12,000	47,000	28,000
pH (standard units)	7.2	5.6	5.8	5.8	6.0	6.5	7.5	6.8	7.3	7.0	7.1	7.4
Dissolved Oxygen (mg/L)	0.23	0.24	0.18	0.15	0.08	0.20	0.23	0.26	0.19	0.12	0.06	0.18
Dehalococcoiddes (DHC)	--	10,700	17,400	63,100	214,000	--	--	54,500	115,000	24,400	268,000	--
DHC / tceA	--	24,200	303	526	8,510	--	--	42,200	16,500	10,700	23,000	--
DHC / bvcA	--	14,000	6,160	39,400	484,000	--	--	65,800	20,400	33,800	392,000	--

NOTES:

All chemical data are in micrograms per liter; units for field parameters are as shown

Biologic data are in units of cells per milliliter

mg/L = milligrams per liter

< = Less than

-- = Not sampled

TABLE 5 - ABC+ ANALYTICAL DATA AT OIL STORAGE ROOM, JANUARY 2013 THROUGH MAY 2014 (page 3 of 5)

LOCATION	TW-3						TW-4					
	Jan, 2013	Mar, 2013	May, 2013	Aug, 2013	Nov, 2013	May, 2014	Jan, 2013	Mar, 2013	May, 2013	Aug, 2013	Nov, 2013	May, 2014
Ethane	--	160	220	65	--	58	--	<1	<1	3.7	--	<1
Ethylene	--	130	130	28	--	170	--	4.1	5.8	39	--	2.2
Methane	--	330	1,400	330	--	800	--	660	180	2,700	--	190
Trichloroethene	<200	<200	<20	40	34	18	<1	<1	<1	<1	<1	<1
cis-1,2 Dichloroethene	15,000	17,000	14,000	360	380	300	<1	<1	<1	<1	<1	<1
trans-1,2 Dichloroethene	<200	<200	<20	<2.0	<2.5	<2	<1	<1	<1	<1	<1	<1
Vinyl Chloride	1,100	1,200	2,600	180	2,600	190	9.5	12	9.6	11	12	5.0
1,1,1-Trichloroethane	240	480	430	47	50	28	<1	<1	<1	<1	<1	<1
1,1-Dichloroethene	<200	<200	60	4.0	<2.5	<2	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	220	210	160	23	160	50	<1	<1	<1	<1	<1	<1
Iron	5,200	4,000	6,000	5,000	5,500	5,900	4,200	8,900	7,600	5,400	4,800	3,800
Manganese	--	--	640	910	1,100	1,000	--	--	100	79	100	94
Arsenic	6.6	4.9	6.6	6.4	5.5	6.9	12	10	11	10	10	13
Nitrate	<50	<50	<50	<50	--	<50	<50	<50	<50	<50	--	<50
Sulfate	8,600	5,100	<5,000	11,000	--	13,000	7,000	<5,000	12,000	6,800	--	13,000
Total Organic Carbon	19,000	31,000	18,000	14,000	41,000	11,000	750	900	880	4,500	730	810
pH (standard units)	7.2	6.5	7.2	6.7	6.9	7.3	7.8	6.8	7.2	7.1	7.3	7.6
Dissolved Oxygen (mg/L)	0.28	0.31	0.19	0.18	0.07	0.21	0.25	1.24	1.49	0.09	0.07	0.20
Dehalococcoiddes (DHC)	--	19,800	4,980	128,000	2,160,000	--	--	11,700	3,630	9,050	402	--
DHC / tceA	--	2,860	1,210	253	7,890	--	--	8,190	9,000	6,160	4,530	--
DHC / bvcA	--	16,100	5,760	93,200	5,470,000	--	--	5,920	1,100	7,530	35,700	--

NOTES:

All chemical data are in micrograms per liter; units for field parameters are as shown

Biologic data are in units of cells per milliliter

mg/L = milligrams per liter

< = Less than

-- = Not sampled

TABLE 5 - ABC+ ANALYTICAL DATA AT OIL STORAGE ROOM, JANUARY 2013 THROUGH MAY 2014 (page 4 of 5)

LOCATION	96-201B						98-215A					
	Jan, 2013	Mar, 2013	May, 2013	Aug, 2013	Nov, 2013	May, 2014	Jan, 2013	Mar, 2013	May, 2013	Aug, 2013	Nov, 2013	May, 2014
Ethane	--	<1	<1	<1	--	--	--	<1	<1	<1	--	33
Ethylene	--	<1	<1	<1	--	--	--	<1	<1	<1	--	<1
Methane	--	1.4	<0.5	<0.5	--	--	--	<0.5	<0.5	<0.5	--	810
Trichloroethene	28	8.3	5.5	4.2	4.4	--	19	21	23	24	19	29
cis-1,2 Dichloroethene	<1	<1	<1	<1	<1	--	2.5	4.1	4.4	10	5.0	20
trans-1,2 Dichloroethene	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1	<1
Vinyl Chloride	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1	<1
1,1,1-Trichloroethane	1.2	<1	<1	<1	<1	--	1.3	1.5	1.6	1.5	1.2	1.9
1,1-Dichloroethene	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1	<1
1,1-Dichloroethane	<1	<1	<1	<1	<1	--	<1	<1	<1	<1	<1	<1
Iron	44	26	63	36	19	--	19	20	<10	<10	72	39
Manganese	--	--	55	11	<10	--	--	--	12	19	83	19
Arsenic	<1.0	<1.0	<1.0	<1.0	<1.0	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1
Nitrate	290	200	500	930	--	--	2,700	2,800	2,700	3,200	--	5,300
Sulfate	24,000	26,000	20,000	17,000	--	--	15,000	15,000	13,000	14,000	--	19,000
Total Organic Carbon	680	540	710	630	660	--	1,300	3,000	1,800	2,700	2,800	4,400
pH (standard units)	7.6	6.7	7.1	6.9	7.1	--	7.7	6.6	7.2	6.8	7.0	7.3
Dissolved Oxygen (mg/L)	0.50	0.47	0.53	0.61	0.79	--	5.3	4.6	4.9	5.7	3.9	0.4
Dehalococcoiddes (DHC)	--	<0.4	<0.4	<0.5	--	--	--	<0.5	<0.5	<0.5	--	--
DHC / tceA	--	<0.4	<0.4	<0.5	--	--	--	<0.5	<0.5	<0.5	--	--
DHC / bvcA	--	<0.4	<0.4	<0.5	--	--	--	<0.5	<0.5	<0.5	--	--

NOTES:

All chemical data are in micrograms per liter; units for field parameters are as shown

Biologic data are in units of cells per milliliter

mg/L = milligrams per liter

< = Less than

-- = Not sampled

TABLE 5 - ABC+ ANALYTICAL DATA AT OIL STORAGE ROOM, JANUARY 2013 THROUGH MAY 2014 (page 5 of 5)

LOCATION	06-18 / 1						06-18 / 2					
	Jan, 2013	Mar, 2013	May, 2013	Aug, 2013	Nov, 2013	May, 2014	Jan, 2013	Mar, 2013	May, 2013	Aug, 2013	Nov, 2013	May, 2014
Ethane	--	<1	16	70	--	26	--	<1	<1	1.0	--	<1
Ethylene	--	26	320	980	--	640	--	<1	<1	76	--	150
Methane	--	1.5	430	2,700	--	1,800	--	1.2	4.4	410	--	330
Trichloroethene	29	29	18	17	16	12	130	62	57	260	120	130
cis-1,2 Dichloroethene	1,700	1,000	170	61	40	38	9.2	11	9.3	220	17	28
trans-1,2 Dichloroethene	<10	<10	<1	<1	<10	<1	<1.0	<1.0	<1.0	<2.5	<1	<1
Vinyl Chloride	830	530	170	66	1,200	76	1.4	1.3	1.2	110	1.0	120
1,1,1-Trichloroethane	130	120	61	31	26	41	5.0	2.8	2.2	8.8	4.6	4.6
1,1-Dichloroethene	<10	<10	1.8	<1	1.5	<1	<1.0	<1.0	<1.0	2.6	<1	<1
1,1-Dichloroethane	38	28	32	110	150	80	<1.0	<1.0	<1.0	6.7	<1	1.3
Iron	2,200	1,900	2,200	3,200	2,200	2,500	11	<10	11	23	13	39
Manganese	--	--	420	240	170	200	--	--	<10	<10	<10	<10
Arsenic	12	11	10	8.8	8.7	11	<1.0	<1.0	<1.0	<1.0	<1.0	<1
Nitrate	84	<50	<50	<50	--	<50	280	240	220	<50	--	57
Sulfate	17,000	19,000	9,000	<5,000	--	<5,000	23,000	21,000	21,000	<5,000	--	9,800
Total Organic Carbon	1,100	1,100	1,500	8,500	2,000	24,000	600	570	670	700	690	630
pH (standard units)	7.9	6.9	7.3	7.2	7.5	7.6	7.6	6.8	7.1	6.9	7.1	7.3
Dissolved Oxygen (mg/L)	0.40	0.48	0.24	0.14	0.12	0.24	0.40	0.44	0.26	0.27	0.19	0.24
Dehalococcoiddes (DHC)	--	21,700	14,200	59,700	234,000	--	--	<0.4	<0.5	72.7	0.4J	--
DHC / tceA	--	9,790	4,860	40,600	221,000	--	--	<0.4	<0.5	45.8	6.10	--
DHC / bvcA	--	19,200	5,320	41,400	344,000	--	--	<0.4	<0.5	95.9	15.4	--

NOTES:

All chemical data are in micrograms per liter; units for field parameters are as shown

Biologic data are in units of cells per milliliter

mg/L = milligrams per liter

< = Less than

-- = Not sampled

TABLE 6: EMISSIONS FROM SUB-SLAB DEPRESSURIZATION SYSTEM

	June 1, 2014
Trichloroethene, mg/m^3	0.4
cis-1,2-dichloroethene, mg/m^3	0.1
1,1,1-trichloroethane, mg/m^3	0.0
Total VOCs, mg/m^3	0.5
Total VOCs, pcf	3.15E-08
Air velocity, fpm	1,400
Pipe area, square feet	0.35
Air flow rate, acfm	488
Temperature, ºC	32
Air flow rate, cfm	477
VOC emission rate, pph	0.001

Notes:

mg/m^3 = milligrams per cubic meter
VOC = Volatile organic compounds; sum of trichloroethene, cis-1,2-dichloroethene, and 1,1,1-trichloroethane
pcf = Pounds per cubic foot
fpm = Feet per minute (measured)
acfm = Actual cubic feet per minute (not
cfm = Cubic feet per minute (corrected to standard temperature)
pph = Pounds per hour

TABLE 7: SUB-SLAB VACUUM MEASUREMENTS

	April 24, 2014	May 28, 2014	June 19, 2014
VMP-1	-0.01	-0.01	-0.01
VMP-2	-0.01	-0.01	-0.02
VMP-3	--	--	--
VMP-10	-0.01	-0.01	-0.02
VMP-11	-0.01	-0.01	-0.01
VMP-12	-0.01	-0.02	-0.03
VMP-13	-0.02	-0.01	-0.02
VMP-14	-0.01	-0.01	-0.03
VMP-15	-0.02	-0.01	-0.02
VMP-16	-0.01	-0.02	-0.01
VMP-17	-0.02	-0.02	-0.02
VMP-18	-0.01	-0.01	-0.05

NOTES:

Measurements are in inches of water

Negative values indicate a gradient down from the building to the sub-slab soil

Positive values indicate a gradient up from the sub-slab soil into the building

TABLE 8: INDOOR AIR ANALYTICAL DATA - JUNE, 2014

Compound	Indoor Air Screening Level*	PRR Office	JMT	Velthouse Antiques	Michigan Precision	Lower Level - NE
Chloroethane	44,000	<0.99	<1.1	<0.91	<0.87	<0.84
1,1-Dichloroethane	77	<1.5	<1.6	<1.4	<1.3	<1.3
cis-1,2-Dichloroethene	260	<1.5	<1.6	<1.4	<1.3	<1.3
t-1,2-Dichloroethene	260	<1.5	<1.6	<1.4	<1.3	<1.3
Tetrachloroethene	180	**2.1**	**2.2**	<1.2	<1.1	**1.1**
1,1,1-Trichloroethane	22,000	<2.0	<2.2	<1.9	<1.8	<1.7
Trichloroethene	8.8	**1.8**	**1.7**	<0.92	<0.89	<0.85
Vinyl Chloride	28	<0.48	<0.52	<0.44	<0.42	<0.40

Compound	Indoor Air Screening Level*	South Rec. Park	Quality Trucking	North Rec. Park 1	North Rec. Park 2	Lower Level - SW
Chloroethane	44,000	<0.87	<0.94	<0.84	<0.99	<0.84
1,1-Dichloroethane	77	<1.3	**1.6**	<1.3	<1.5	<1.3
cis-1,2-Dichloroethene	260	<1.3	<1.4	<1.3	<1.5	<1.3
t-1,2-Dichloroethene	260	<1.3	<1.4	<1.3	<1.5	<1.3
Tetrachloroethene	180	<1.1	**21.9**	**3.1**	**11.7**	**1.9**
1,1,1-Trichloroethane	22,000	<1.8	<1.9	<1.7	<2.0	<1.7
Trichloroethene	8.8	<0.89	**2.4**	**1.4**	<1.0	**1.2**
Vinyl Chloride	28	<0.42	<0.46	<0.40	<0.48	<0.40

Notes:

All data presented in micrograms per cubic meter

Compounds analyzed by USEPA Method TO-15

Bold indicates a detection above reporting limit; yellow highlighted results exceed industrial indoor air screening levels.

< - Not detected at or above the reported detection limit.

*USEPA Regional Screening Level for Industrial Air (USEPA, November 2012), adjusted for target risk of 1x10-5 and target hazard quotient of 1.

TABLE 9: SUB-SLAB SOIL VAPOR ANALYTICAL DATA - JUNE, 2014

Compound	Sub-Slab Soil Vapor Screening Level*	PRR Office / VMP-11	JMT / VMP-12	Velthouse Antiques / VMP-13	Michigan Precision / VMP-14
Chloroethane	1,466,667	<0.80	<0.94	<0.87	<0.94
1,1-Dichloroethane	2,567	<1.2	<1.4	<1.3	<1.4
cis-1,2-Dichloroethene	8,667	<1.2	<1.4	<1.3	<1.4
t-1,2-Dichloroethene	8,667	<1.2	<1.4	<1.3	<1.4
Tetrachloroethene	6,000	**9.4**	**2.4**	**1.8**	**2.2**
1,1,1-Trichloroethane	733,333	**8.5**	<1.9	**25.7**	<1.9
Trichloroethene	293	**370**	**4.3**	**533**	**82.2**
Vinyl Chloride	933	<0.39	<0.46	<0.42	<0.46

Compound	Sub-Slab Soil Vapor Screening Level*	South Rec. Park / VMP-15	Quality Trucking / VMP-16	North Rec. Park 1 / VMP-17	North Rec. Park 2 / VMP-18
Chloroethane	1,466,667	<0.84	<1.1	<0.80	<0.87
1,1-Dichloroethane	2,567	<1.3	**6.7**	<1.2	<1.3
cis-1,2-Dichloroethene	8,667	<1.3	**18.3**	**6.5**	<1.3
t-1,2-Dichloroethene	8,667	<1.3	<1.6	<1.2	<1.3
Tetrachloroethene	6,000	**7.9**	**54.2**	**104**	**9.1**
1,1,1-Trichloroethane	733,333	<1.7	**82.3**	**14.5**	<1.8
Trichloroethene	293	**67.8**	**452**	**234**	<0.89
Vinyl Chloride	933	<0.40	<0.52	<0.39	<0.42

Notes:
All data presented in micrograms per cubic meter
Compounds analyzed by USEPA Method TO-15.
Bold indicates detection above reporting limit: yellow highlighted results exceed industrial sub-slab screening levels.
< - Not detected at or above the reported detection limit.
*USEPA Regional Screening Level for Industrial Air (USEPA, November 2012), adjusted for target risk of 1x10-5 and target hazard quotient of 1, divided by USEPA-recommended attenuation factor of 0.03.

TABLE 10: SUMMARY OF TRICHLOROETHENE DATA FOR INDOOR AIR AND SUB-SLAB SOIL VAPOR IN PRR BUILDING

	Mar-12	Oct-12	Dec-12	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Aug-13	Sep-13	Oct-13	Mar-14	Jun-14
PRR Office	17	1.3	0.52	<2.1	0.97	<1.1	2.2	3.5	6.9	4	3.7	0.83	<0.96	1.8
VMP-11	1000	910	620	460	671	474	1,620	345	778	15	796	578	117	370
JMT	39	1.5	0.41	0.72	3.2	<0.74	2.7	<0.82	12.8	10.0	6.9	<0.85	4.1	1.7
VMP-12	1,800	<2.1	<2.1	<2.1	5.5	3.9	34.4	6.7	9.6	5.4	66.5	0.81	<0.79	4.3
VH Antiques	26	6.7	3.3	1.7	2.9	1.8	8.4	21.7	18.7	3.9	3.1	1.5	4.1	<0.92
VMP-13	32,000	1,400	--	--	1,160	1,870	1,670	943	203	989	6,160	990	1,920	533
MP	6	16	--	8.6	14.4	67.7	8.8	6.1	2.1	4.8	1.8	2.9	<0.74	<0.89
VMP-14	8,800	6,300	6,700	1,100	10,800	4,780	3,770	3,260	1,220	658	1,510	342	132	82.3
SREC	20	22	7.1	4.6	13.3	12.5	6.1	9.5	4.1	2.2	<1.2	<0.74	<0.74	<0.89
VMP-15	14,000	220	170	200	139	73	50.8	180	197	397	1,450	156	58.7	67.8
QT	30	7.6	6.1	5.5	16.8	15.0	6.9	11.9	<0.92	1.1	<1.6	<0.79	<0.79	2.4
VMP-16	33,000	7,700	690	2,400	261	3,160	1,700	15.6	7.0	6,840	1,280	--	2,240	452
NREC-1	20	24	7.0	9.8	37.6	15.4	37.1	8.3	8.3	1.1	<1.0	<0.76	2.5	1.4
VMP-17	670	220	56	48	39.8	36.1	39.0	7.9	11.0	<0.79	209	1.9	45.4	234
NREC-2	--	--	--	--	--	19.0	13.6	9.0	2.4	0.90	2.4	<0.74	0.82	<1.0
VMP-18	--	--	--	18,000	29,800	60.0	1,050	9.9	919	<0.89	2,180	15,300	<0.74	<0.89
LL-NE	--	--	--	--	--	--	--	--	9.2	2.8	<3.2	0.93	1.3	<0.85
LL-SW	--	--	--	--	--	--	--	--	8.5	3.5	--	1.6	<0.76	1.2

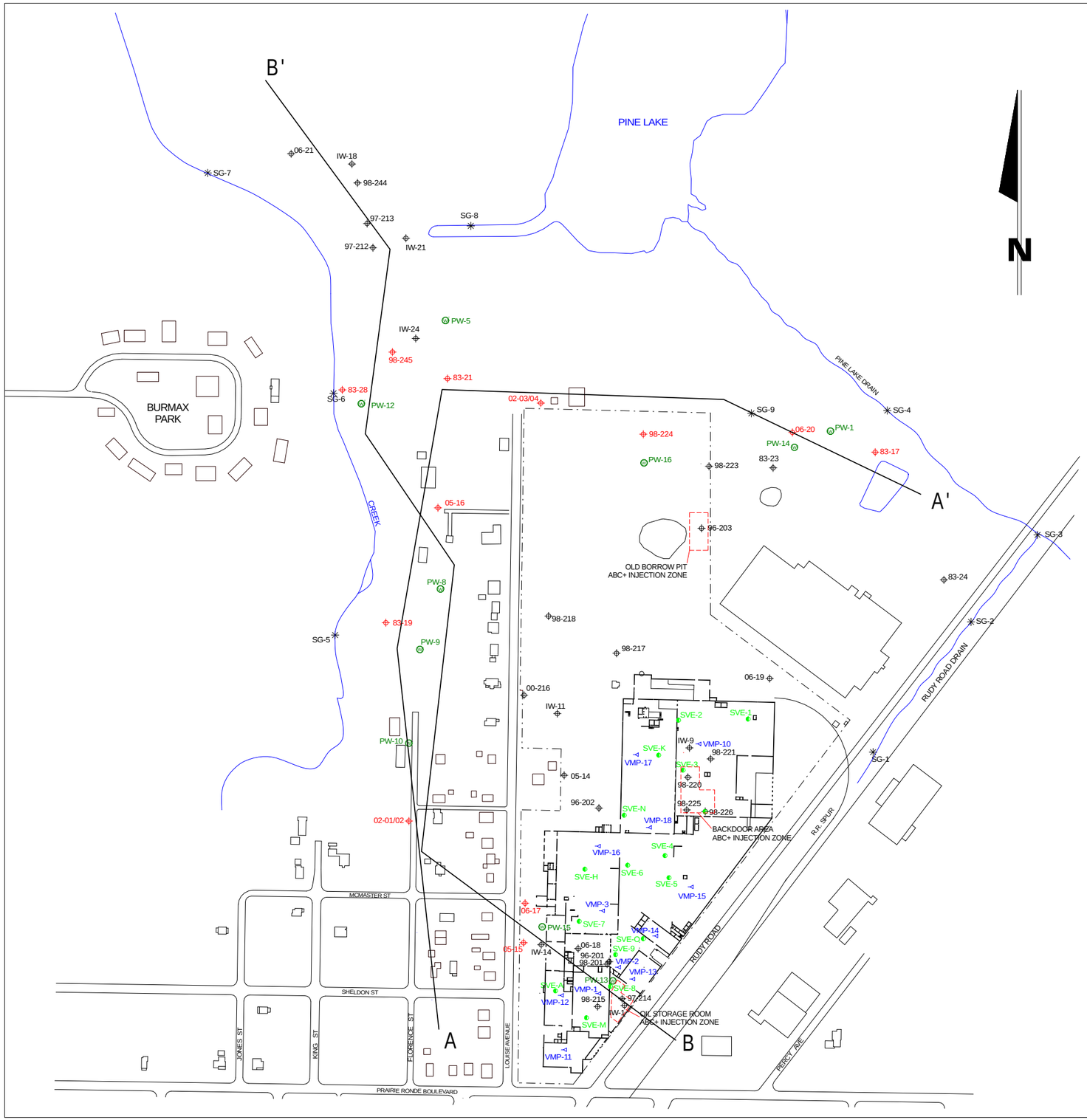
NOTES:

Units are micrograms per cubic meter
< = Less than
-- = Not sampled or data not valid
Red = Exceeds Indoor Air screening level
Blue = Exceeds Sub-slab Vapor screening level

TABLE 11: PURGE WELL SUMMARY - SECOND QUARTER 2014

Purge Well	Current Status	Initial Flowmeter Reading	April 17, 2014	
		February 26, 2014	Flow Rate, GPM	Total Gallons (x 1,000)
PW-1	Shut Down January 2013	--	--	--
PW-3	Abandoned 10-9- 2013	--	--	--
PW-4	Abandoned 10-10-2013	--	--	--
PW-5	Operating	166,362	95	173,604
PW-6	Abandoned 10-7-2013	--	--	--
PW-7	Abandoned 10-7-2013	--	--	--
PW-8	Shut Down June 2013	--	--	--
PW-9	Shut Down October 2012	--	--	--
PW-10	Re-started April 17, 2014	--	51	48,290
PW-12	Shut Down June 2013	--	--	--
PW-13	Shut Down September 2008	--	--	--
PW-14	Operating	308,911	100	313,138
PW-15	Shut Down May 2013	--	--	--
PW-16	Operating	258,109	115	258,109
500GPM	Shut Down January 2008	--	--	--
20 GPM	Shut Down September 2008	--	--	--
TOTAL PUMPING RATE, GPM		--	361	--

-- = Not measured or not applicable
GPM = Gallons per minute



LEGEND:

- PRAIRIE RONDE REALTY PROPERTY LINE
- PURGE WELLS
- STAFF GAUGE
- X SURFACE WATER SEEP SAMPLING POINT
- MONITORING WELL LOCATION: SOME LOCATIONS HAVE MULTIPLE WELLS
- SUBSLAB DEPRESSURIZATION VAPOR EXTRACTION WELLS
- SOIL VAPOR MONITORING POINT
- 83-21 GSI COMPLIANCE MONITORING POINT
- VERTICAL PROFILE LINES

GRAPHIC SCALE

0 100 200 400

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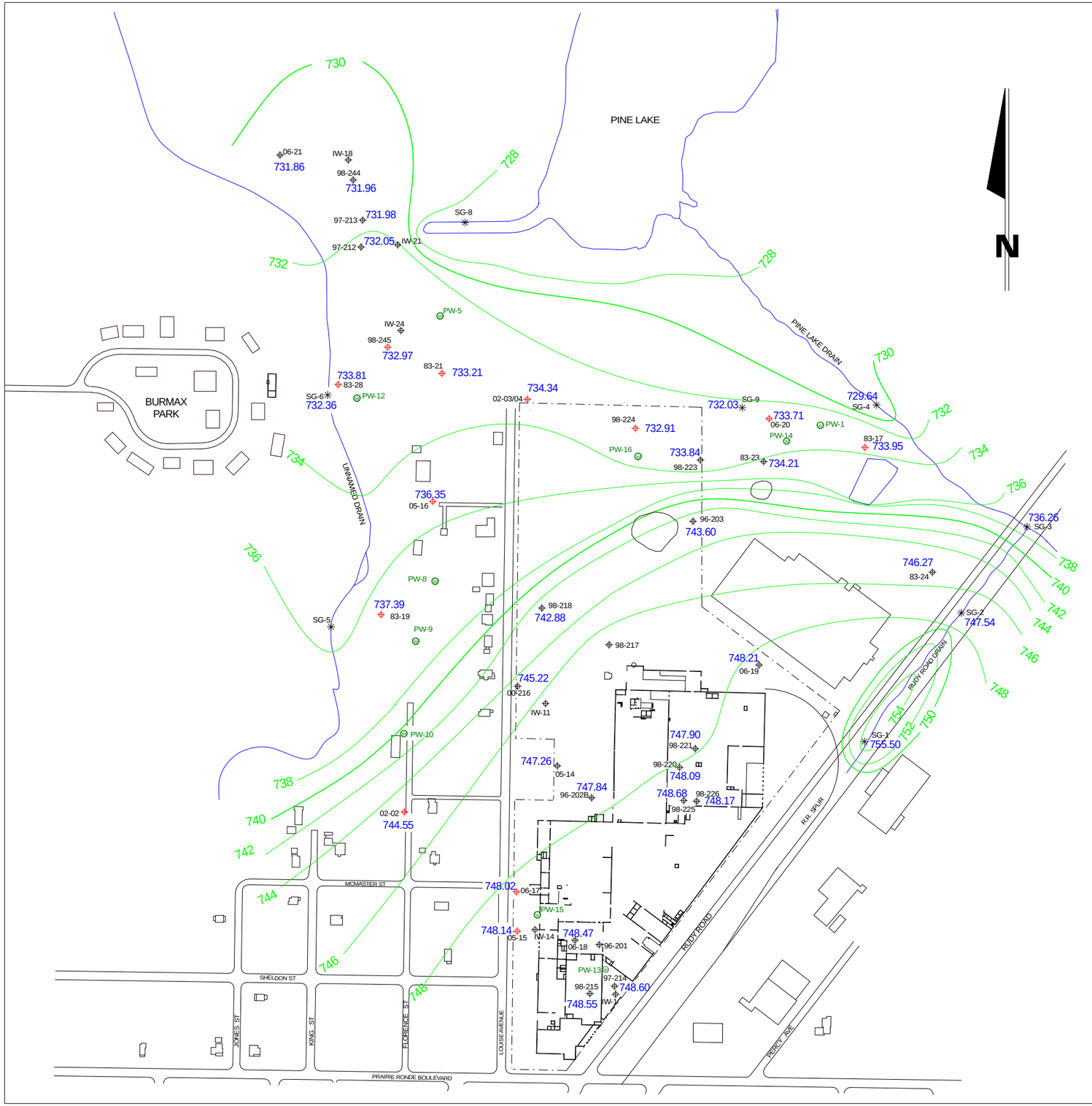
SECOND QUARTER 2014 MONITORING REPORT

FOR:

PRAIRIE RONDE REALTY COMPANY
415 East Prairie Ronde, Dowagiac, Michigan 49047

Figure 1:

SITE PLAN



LEGEND:

— · -	PRAIRIE RONDE REALTY PROPERTY LINE
⊙	PURGE WELLS (PW-NO.)
✳	STAFF GAUGE (SG-NO.)
⊕	MONITORING WELL LOCATION: SOME LOCATIONS HAVE MULTIPLE WELLS (NO.)
698.02	POTENTIOMETRIC SURFACE ELEVATION, FEET MSL
746	POTENTIOMETRIC SURFACE CONTOUR, FEET MSL
83-17 ⊕	GROUNDWATER-SURFACE WATER INTERFACE (GSI) MONITORING WELL

GRAPHIC SCALE

0 100 200 400

FEET

Prepared By:

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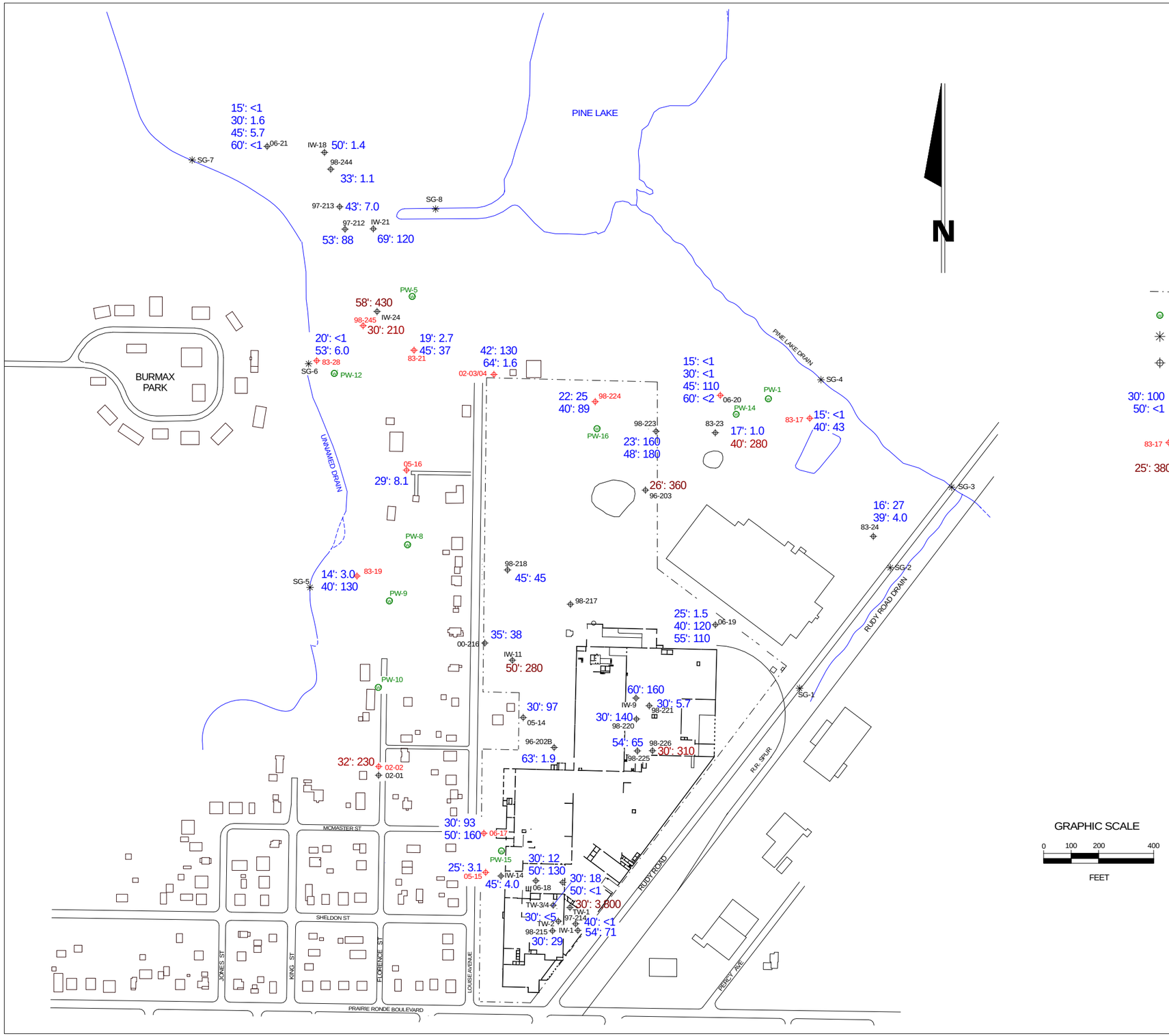
SECOND QUARTER 2014 MONITORING REPORT

FOR:

PRAIRIE RONDE REALTY COMPANY
415 East Prairie Ronde, Dowagiac, Michigan 49047

Figure 2:

POTENTIOMETRIC SURFACE IN WELLS SCREENED ABOVE THE AQUITARD LAYER - MAY, 2014



LEGEND:

— · -	PRAIRIE RONDE REALTY PROPERTY LINE
⊙	PURGE WELLS
✳	STAFF GAUGE
⊕	MONITORING WELL LOCATION: SOME LOCATIONS HAVE MULTIPLE WELLS
30': 100 50': <1	TRICHLOROETHENE CONCENTRATION, MICROGRAMS PER LITER; INDICATED DEPTHS ARE TO BOTTOM OF WELL SCREEN; < = LESS THAN
83-17 ⊕	GROUNDWATER-SURFACE WATER INTERFACE (GSI) COMPLIANCE MONITORING WELL
25': 380	EXCEEDS GSI CRITERION FOR TRICHLOROETHENE (200 MICROGRAMS PER LITER)

GRAPHIC SCALE

0 100 200 400

FEET

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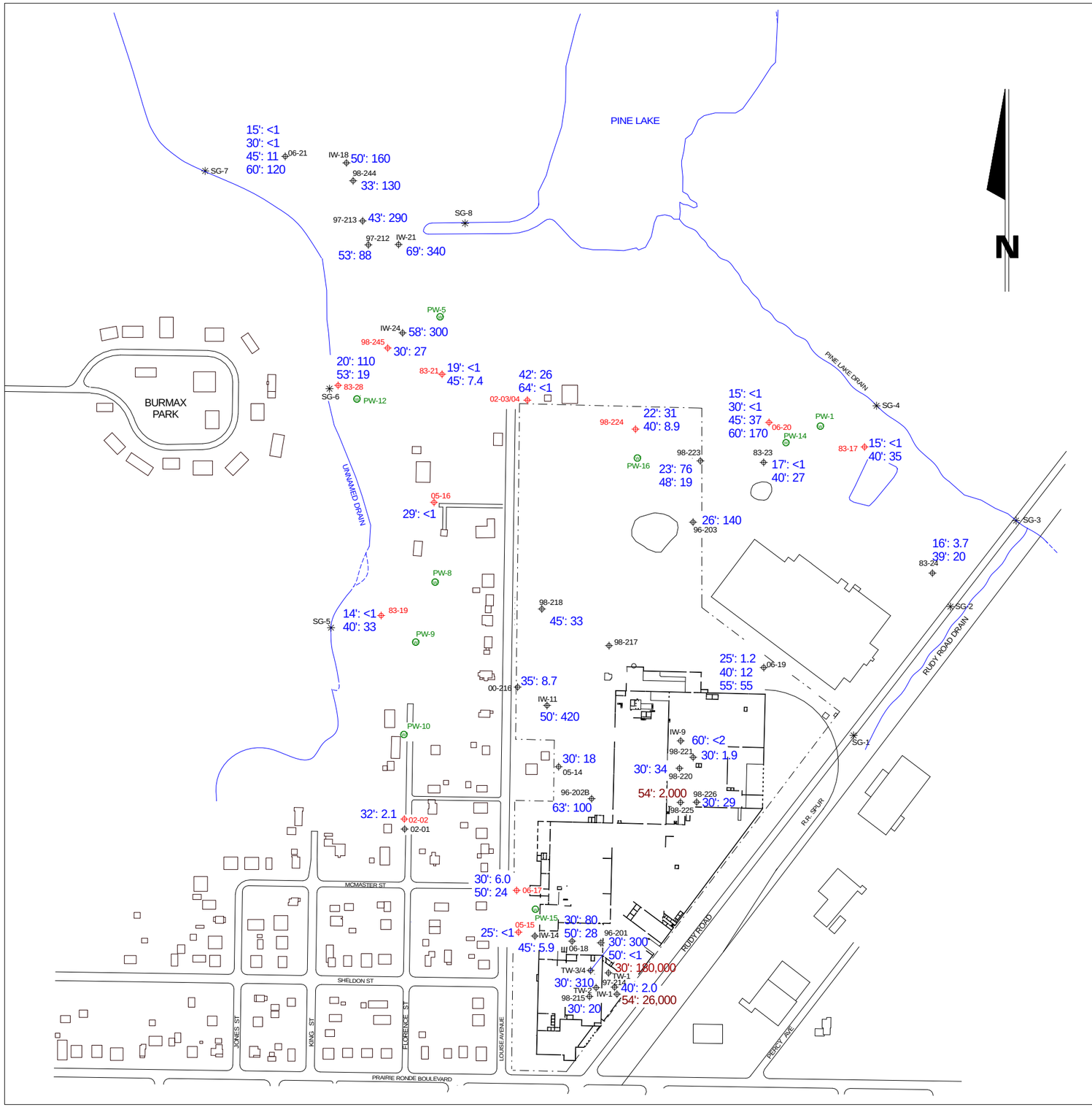
SECOND QUARTER 2014 MONITORING REPORT

FOR:

PRAIRIE RONDE REALTY COMPANY
415 East Prairie Ronde, Dowagiac, Michigan 49047

Figure 3:

TRICHLOROETHENE IN WELLS SCREENED ABOVE THE AQUITARD LAYER - MAY 2014



LEGEND:

— · -	PRAIRIE RONDE REALTY PROPERTY LINE
⊙	PURGE WELLS
✳	STAFF GAUGE
⊕	MONITORING WELL LOCATION: SOME LOCATIONS HAVE MULTIPLE WELLS
30': 100 50': <1	CIS-1,2 DICHLOROETHENE CONCENTRATION, MICROGRAMS PER LITER; INDICATED DEPTHS ARE TO BOTTOM OF WELL SCREEN; < = LESS THAN
83-17 ⊕	GROUNDWATER-SURFACE WATER INTERFACE (GSI) COMPLIANCE MONITORING WELL
25': 380	EXCEEDS GSI CRITERION FOR CIS-1,2-DICHLOROETHENE (620 MICROGRAMS PER LITER)

GRAPHIC SCALE

0 100 200 400

FEET

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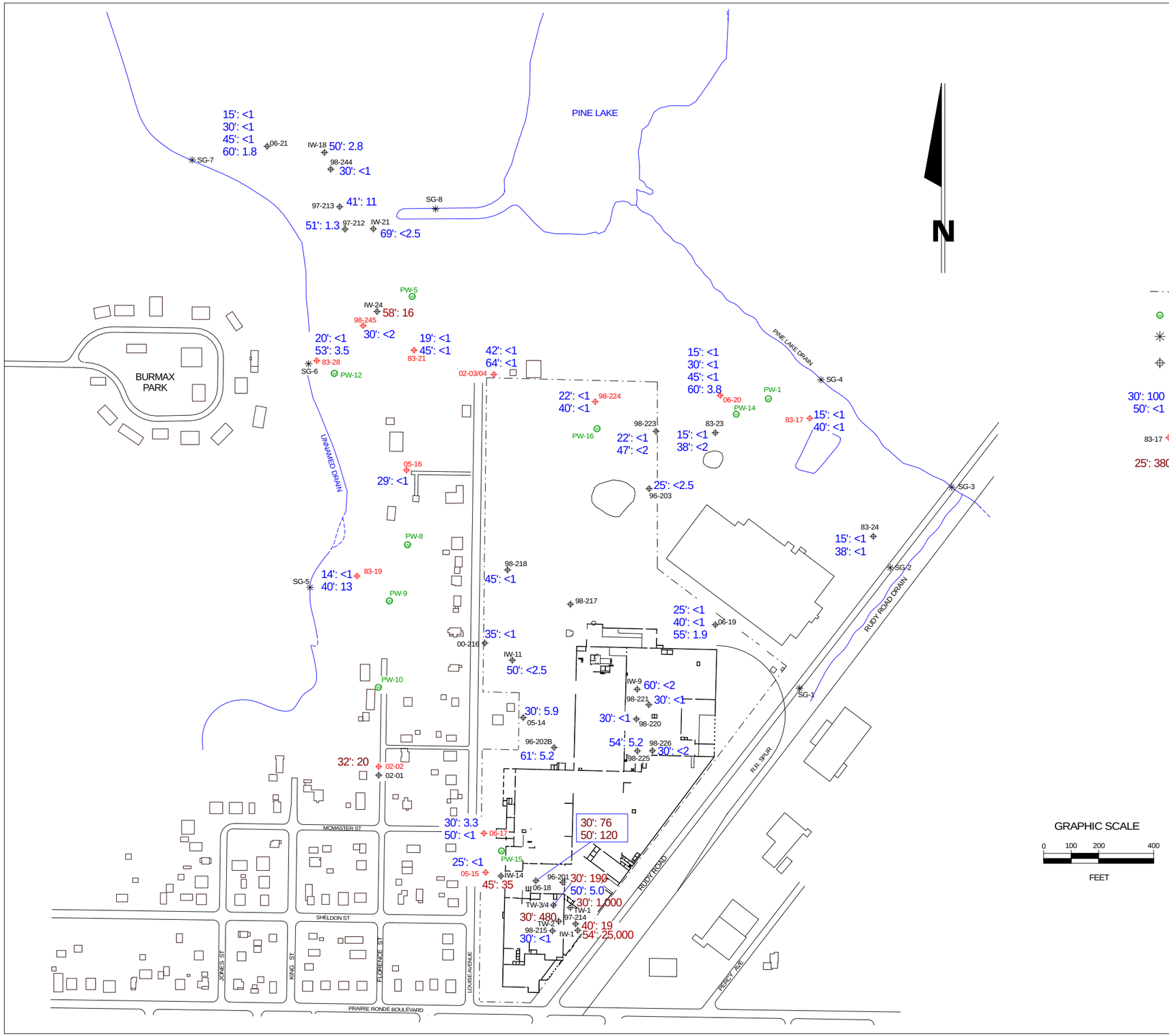
SECOND QUARTER 2014 MONITORING REPORT

FOR:

PRAIRIE RONDE REALTY COMPANY
415 East Prairie Ronde, Dowagiac, Michigan 49047

Figure 4:

CIS-1,2-DICHLOROETHENE IN WELLS SCREENED ABOVE THE AQUITARD LAYER - MAY 2014



LEGEND:

— · -	PRAIRIE RONDE REALTY PROPERTY LINE
⊙	PURGE WELLS
✳	STAFF GAUGE
⊕	MONITORING WELL LOCATION: SOME LOCATIONS HAVE MULTIPLE WELLS
30': 100 50': <1	VINYL CHLORIDE CONCENTRATION, MICROGRAMS PER LITER; INDICATED DEPTHS ARE TO BOTTOM OF WELL SCREEN; < = LESS THAN
83-17 ⊕	GROUNDWATER-SURFACE WATER INTERFACE (GSI) COMPLIANCE MONITORING WELL
25': 380	EXCEEDS GSI CRITERION FOR VINYL CHLORIDE (13 MICROGRAMS PER LITER)

GRAPHIC SCALE

0 100 200 400

FEET

Prepared By:

R. David Mursch, P.E.

Geotechnical and Environmental Engineer

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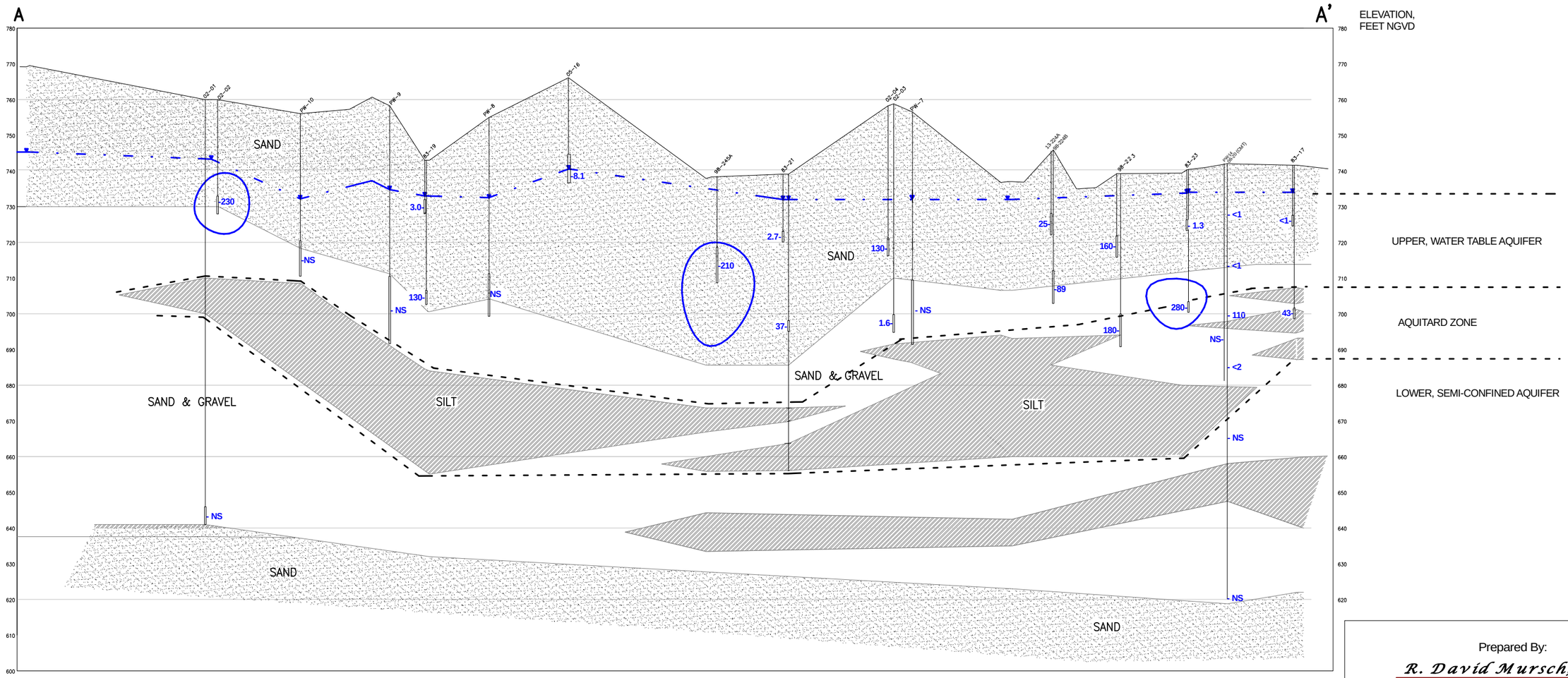
SECOND QUARTER 2014 MONITORING REPORT

FOR:

PRAIRIE RONDE REALTY COMPANY
415 East Prairie Ronde, Dowagiac, Michigan 49047

Figure 5:

VINYL CHLORIDE IN WELLS SCREENED ABOVE THE AQUITARD LAYER - MAY, 2014



LEGEND

APPROXIMATE HISTORICAL POTENTIOMETRIC SURFACE IN UPPER AQUIFER

100 TRICHLOROETHENE CONCENTRATION IN MICROGRAMS PER LITER

ESTIMATED LIMITS OF TCE IMPACT ABOVE 200 MICROGRAMS PER LITER

NOTE: BASE CROSS SECTION IS FROM
PHASE II REMEDIAL INVESTIGATION REPORT
DATED DECEMBER 2002 BY SECOR INTERNATIONAL INC.

Prepared By:

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SECOND QUARTER 2014
MONITORING REPORT

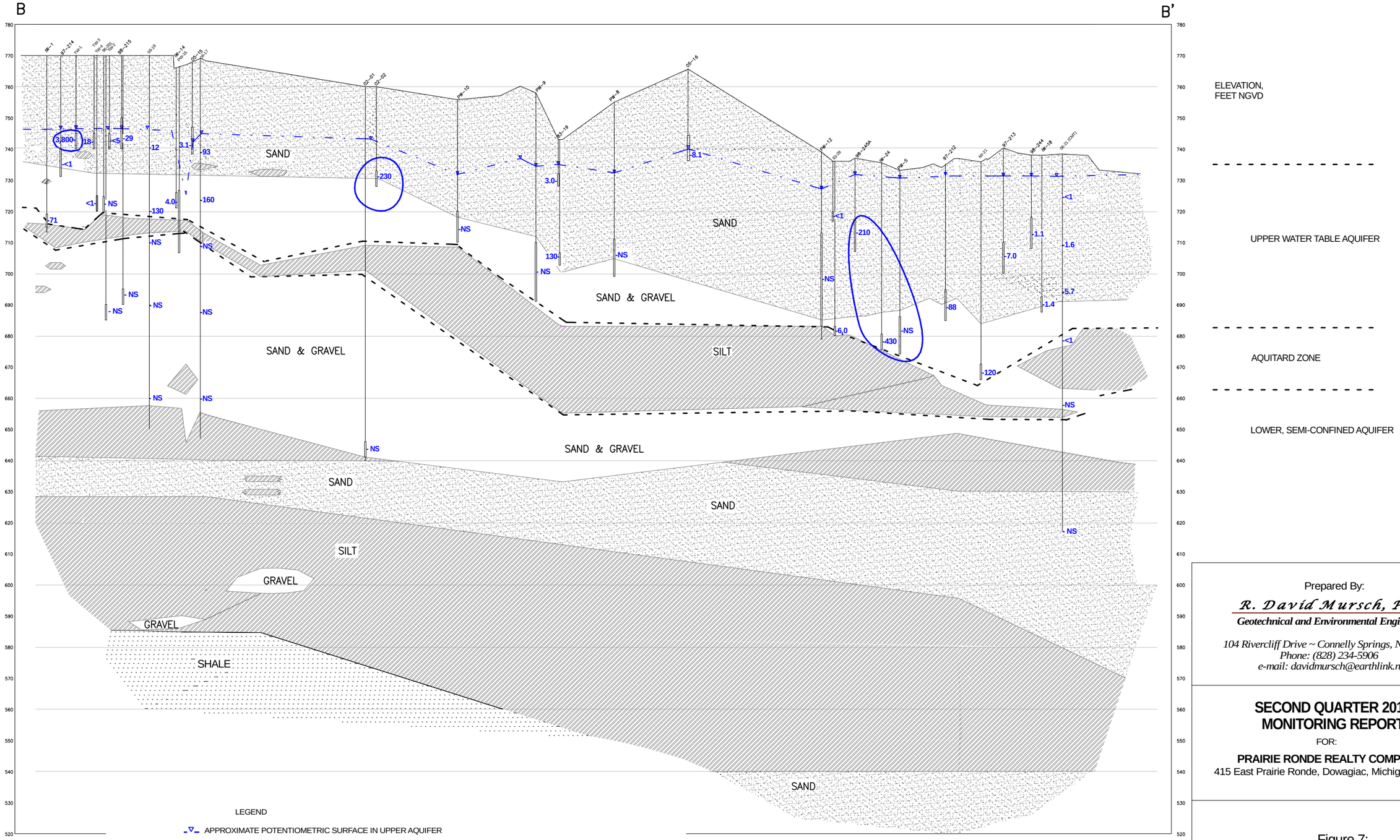
FOR:

PRAIRIE RONDE REALTY COMPANY

415 East Prairie Ronde, Dowagiac, Michigan 49047

Figure 6:

CROSS SECTION A-A'



LEGEND

- APPROXIMATE POTENTIOMETRIC SURFACE IN UPPER AQUIFER
- 100 TRICHLOROETHENE CONCENTRATION IN MICROGRAMS PER LITER
- NS NOT SAMPLED
- ESTIMATED LIMITS OF TCE IMPACT ABOVE 200 MICROGRAMS PER LITER

NOTE: BASE CROSS SECTION IS FROM
PHASE II REMEDIAL INVESTIGATION REPORT
DATED DECEMBER 2002 BY SECOR INTERNATIONAL INC.

Prepared By:

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SECOND QUARTER 2014 MONITORING REPORT

FOR:

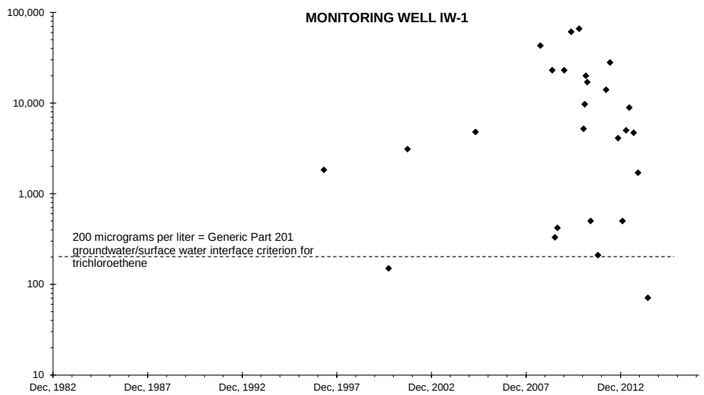
PRAIRIE RONDE REALTY COMPANY
415 East Prairie Ronde, Dowagiac, Michigan 49047

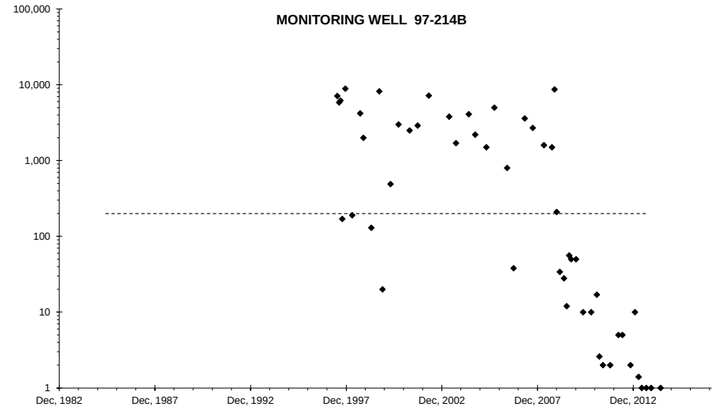
Figure 7:

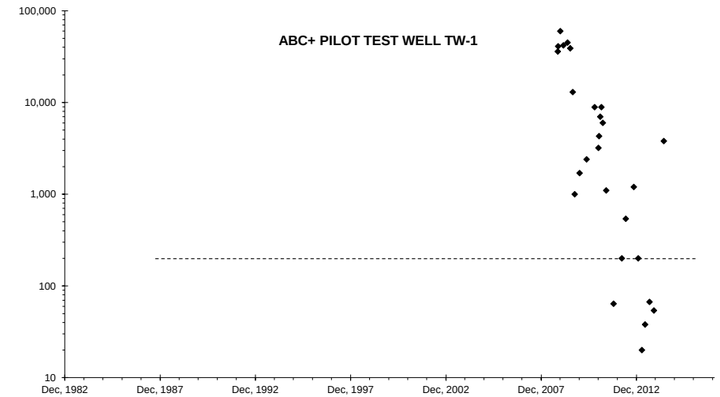
CROSS SECTION B-B'

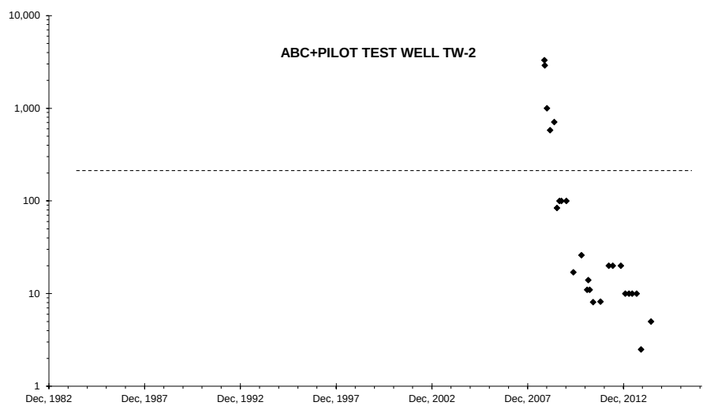
FIGURE 8: TRICHLOROETHENE CONCENTRATION TIME TRENDS - OIL STORAGE ROOM AREA

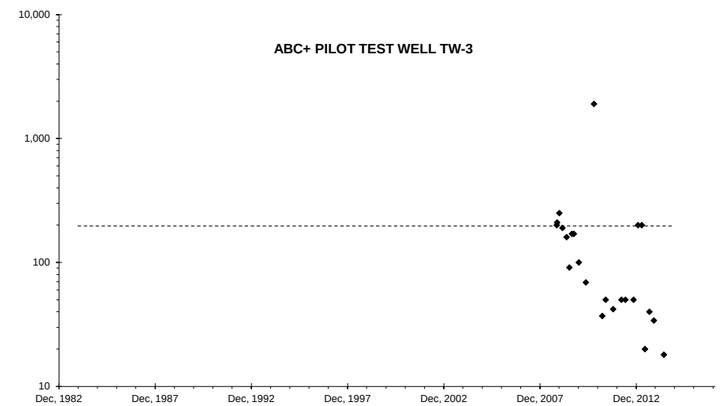
TRICHLOROETHENE CONCENTRATION, MICROGRAMS PER LITER

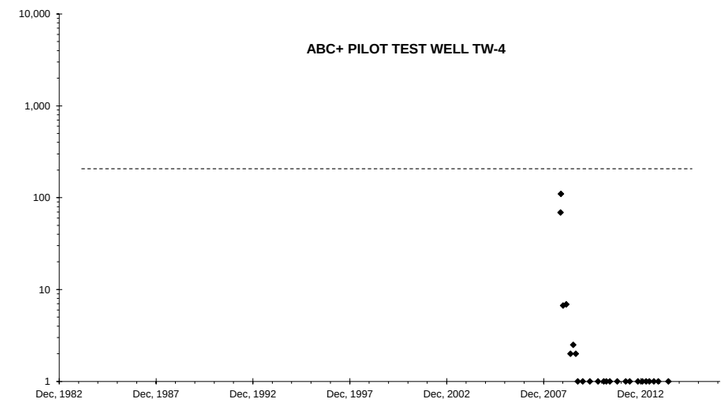


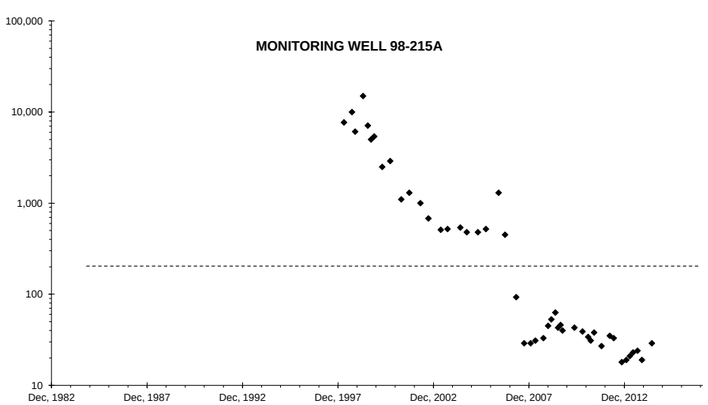












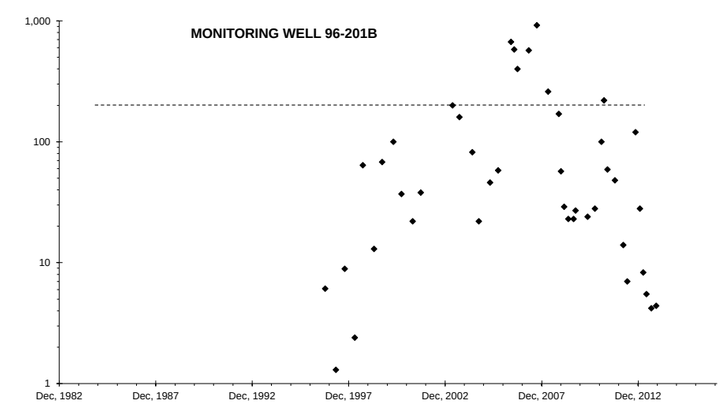


FIGURE 9: TRICHLOROETHENE CONCENTRATION TIME TRENDS - WEST OF OIL STORAGE ROOM AREA

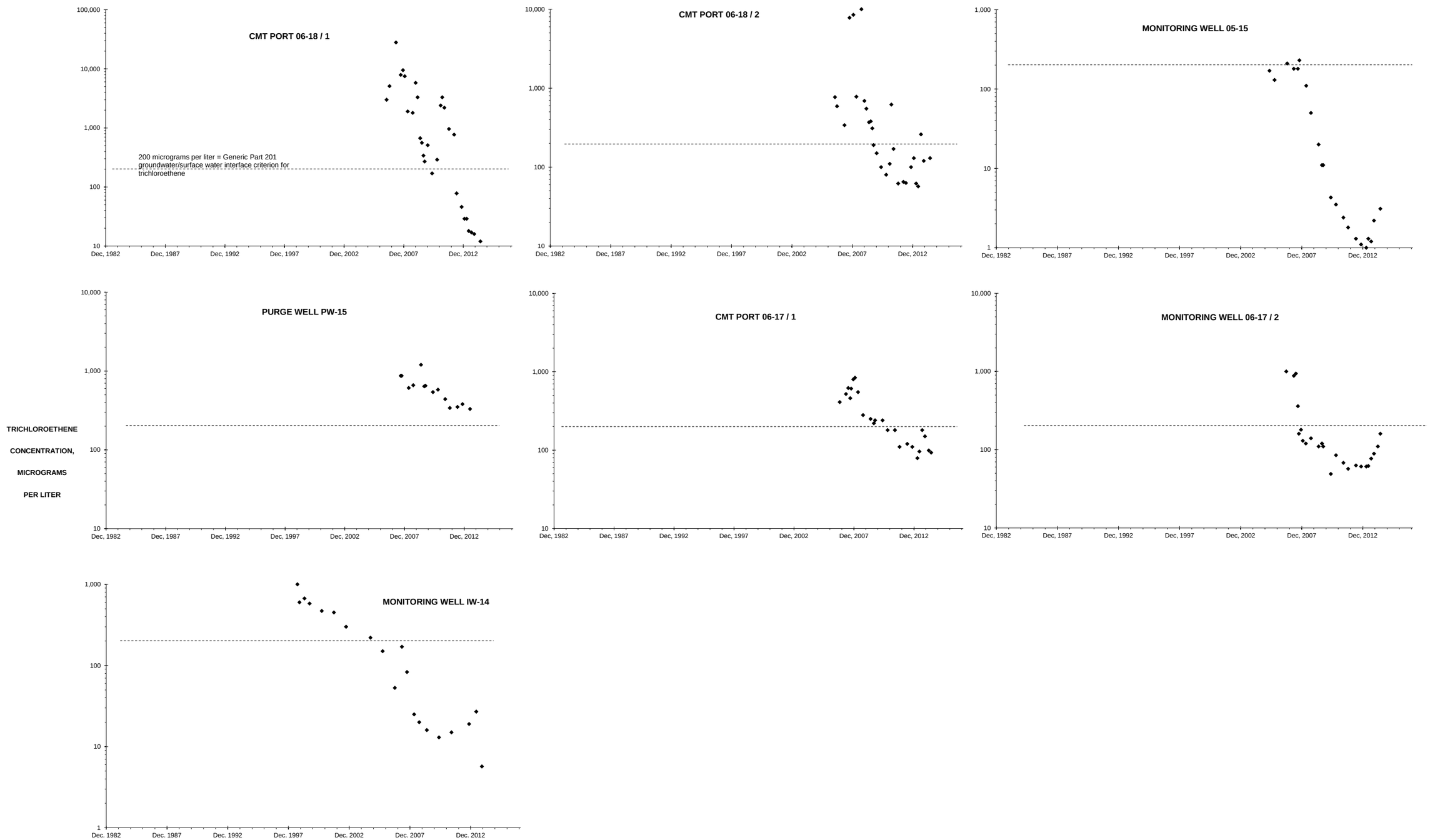


FIGURE 10: TRICHLOROETHENE CONCENTRATION TIME TRENDS - NORTH END OF BUILDING

FIGURE 11: TRICHLOROETHENE CONCENTRATION TIME TRENDS - WEST OF LOUISE AVENUE

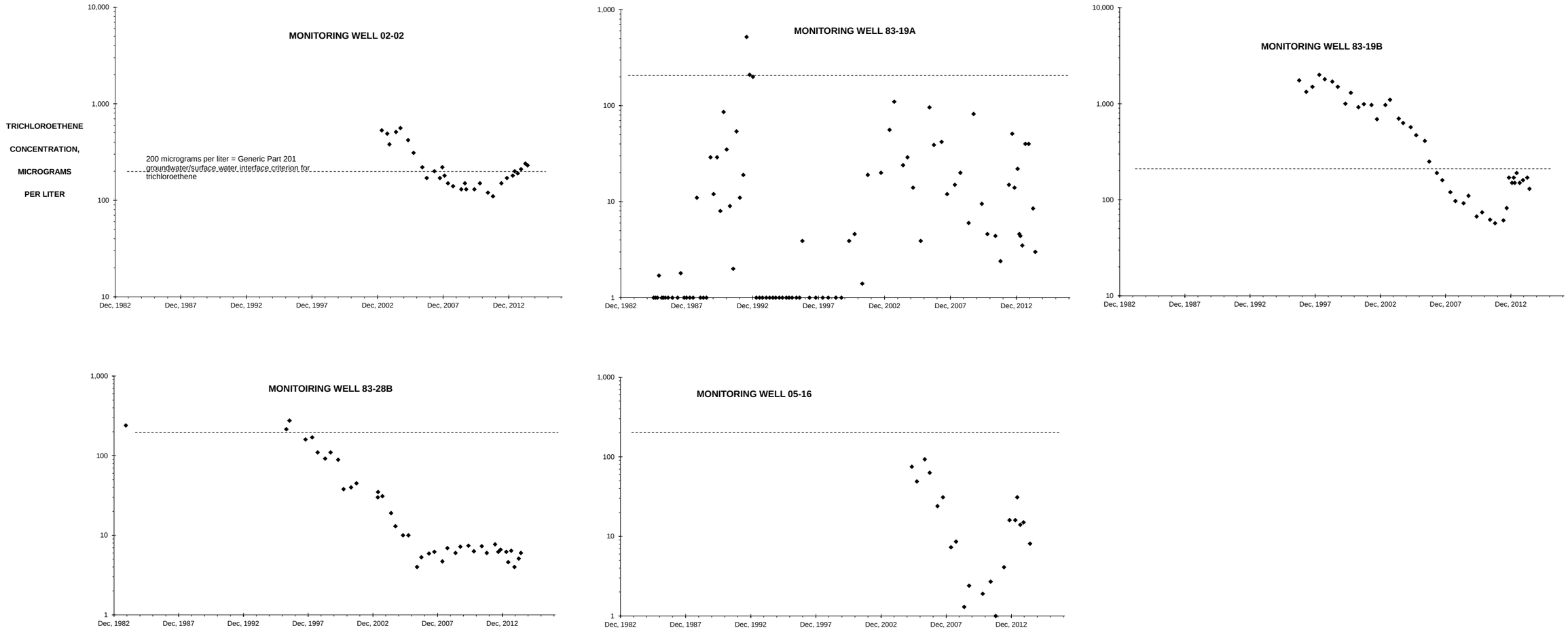


FIGURE 12: TRICHLOROETHENE CONCENTRATION TIME TRENDS - NORTH SIDE / WALKER'S PROPERTY

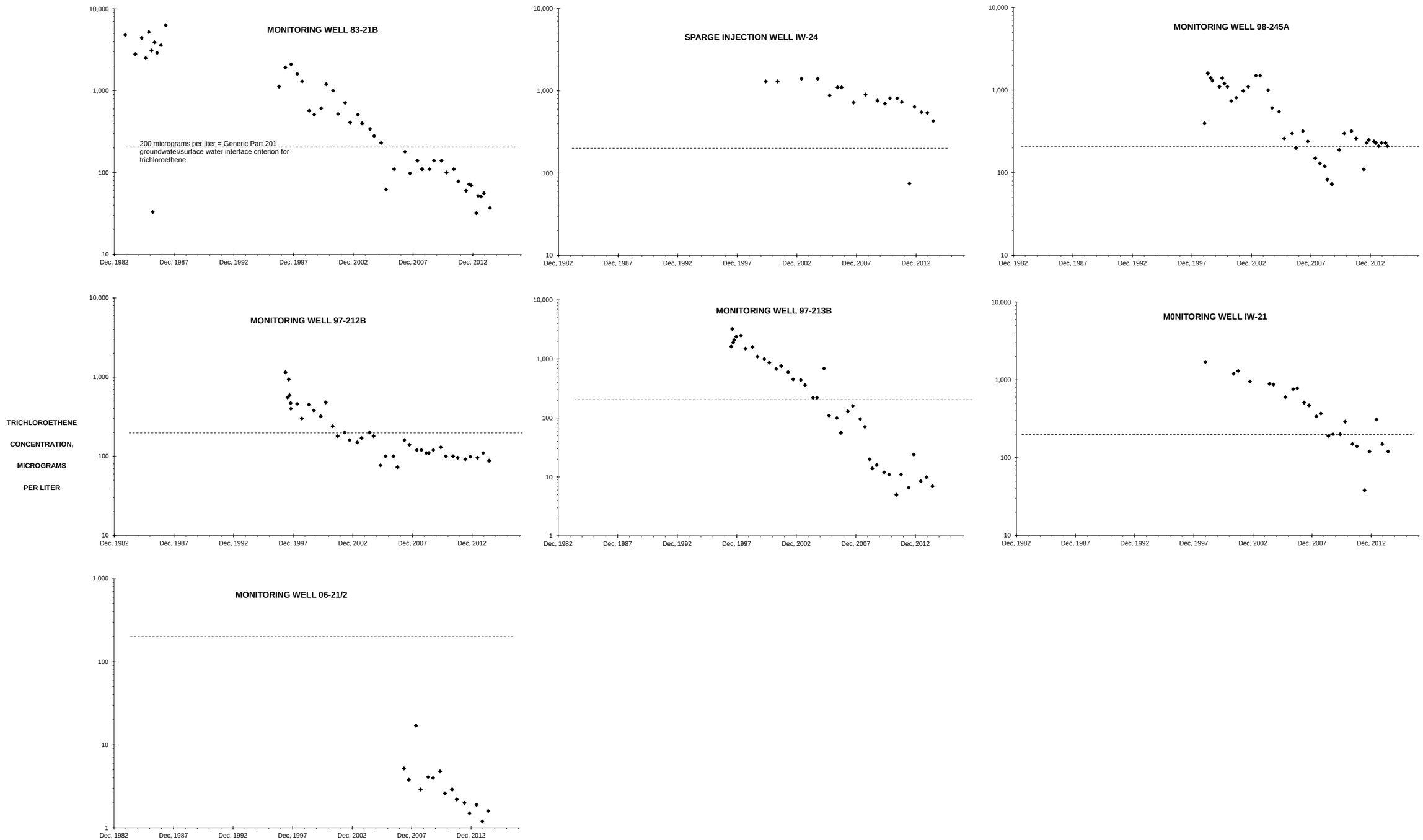
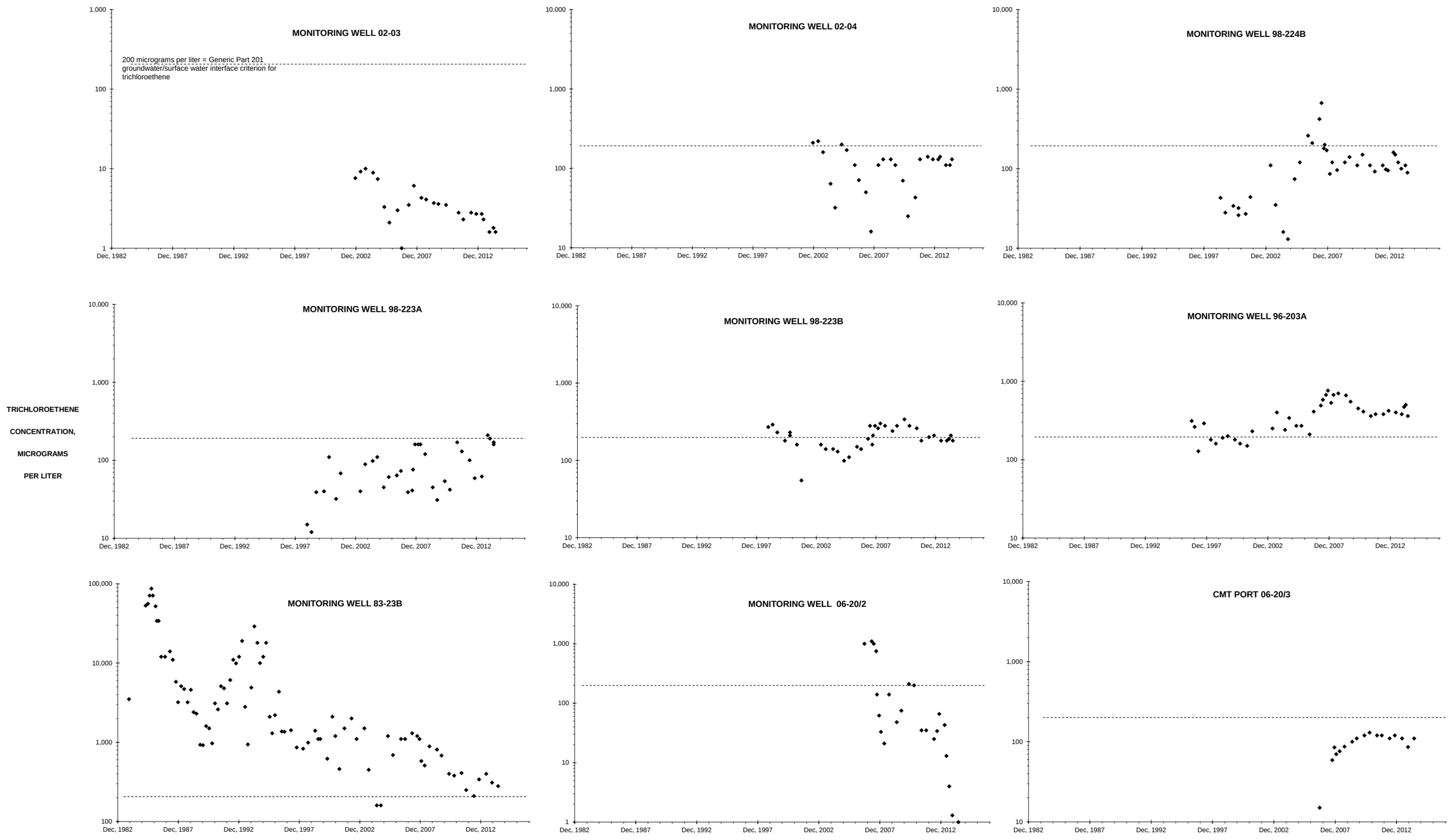
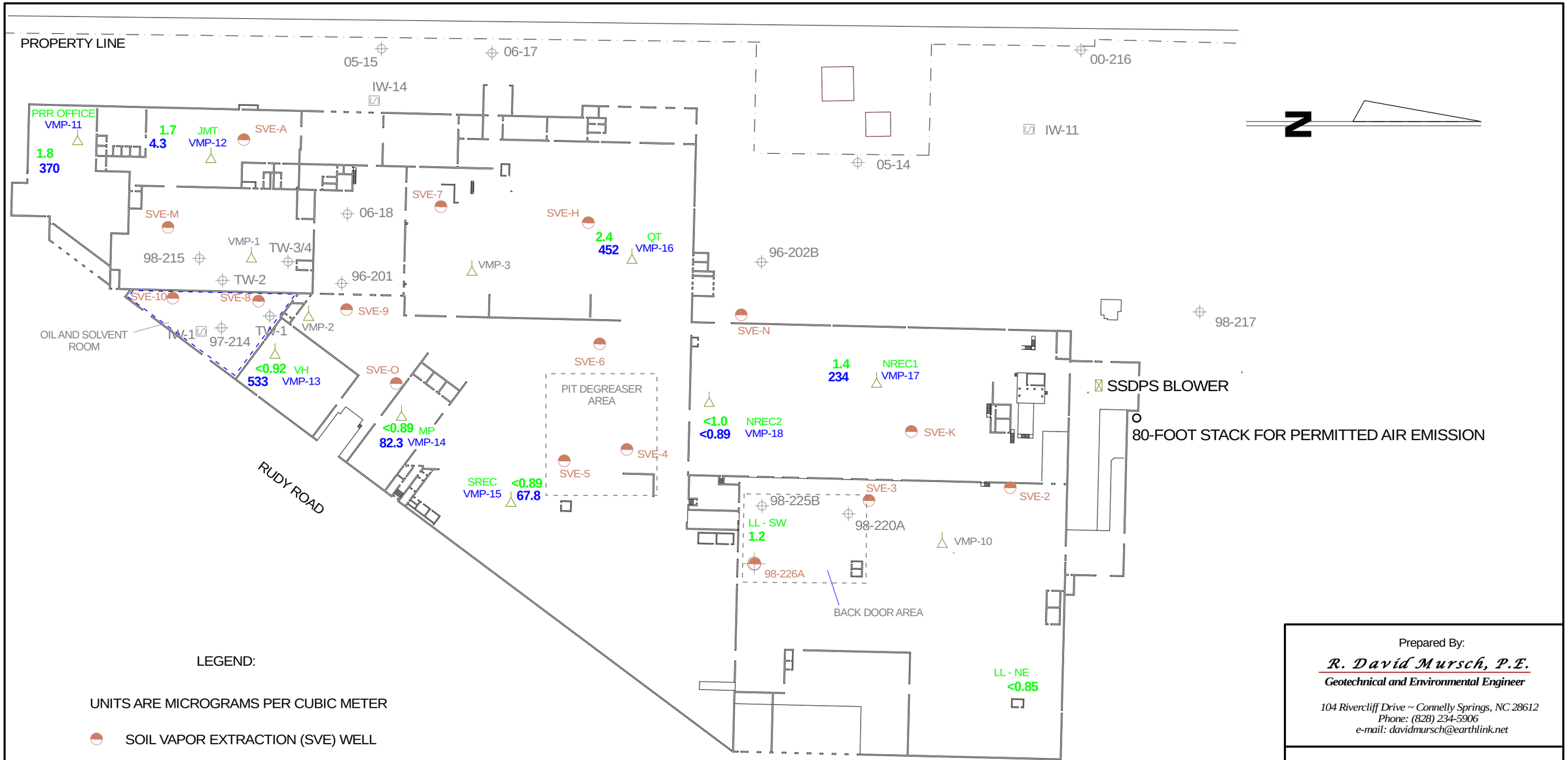


FIGURE 13: TRICHLOROETHENE CONCENTRATION TIME TRENDS - NORTH END OF PROPERTY / CREATIVE FOAM





LEGEND:

UNITS ARE MICROGRAMS PER CUBIC METER

- SOIL VAPOR EXTRACTION (SVE) WELL
- SUB-SLAB VACUUM MONITORING POINT (VMP)
- GROUNDWATER MONITORING WELL
- SOURCE AREA OF TCE RELEASE TO SOIL AND GROUNDWATER
- 1.5 TRICHLOROETHENE IN INDOOR AIR
- 2.1 TRICHLOROETHENE IN SUBSLAB SOIL VAPOR

Prepared By:

R. David Mursch, P.E.

Geotechnical and Environmental Engineer

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SECOND QUARTER 2014 MONITORING REPORT

FOR:

PRAIRIE RONDE REALTY COMPANY

415 East Prairie Ronde, Dowagiac, Michigan 49047

Figure 14:

TRICHLOROETHENE IN INDOOR AIR AND SUB-SLAB SOIL VAPOR - JUNE 2014

PURGE WELL INSPECTION REPORT DATE: April 17, 2014

LOCATION	Target Pumping Rate, GPM*	ACTUAL PUMPING RATE, GPM*	TOTAL METERED GALLONS	WELLHEAD PRESSURE, PSI	DEPTH TO WATER, FEET	COMMENTS, MAINTENANCE PERFORMED; RECOMMENDATIONS FOR ADDITIONAL SERVICE	PUMP OUT OF SERVICE, HOURS
PW-1	--	--	--	--	--	OFF	
PW-3	--	--	--	--	--	OFF	
PW-4	--	--	--	--	--	OFF	--
PW-5	125-150	95	173,603,500	143	6.01'	pumping level	
PW-6	--	--	--	--	--	OFF	--
PW-7	--	--	--	--	--	OFF	
PW-8	--	--	--	--	--	OFF	
PW-9	--	--	--	--	--	OFF	
PW-10	--	51	48,289,960	42	24.38	pumping level Valve fully open. Well needs a cleaning.	
PW-12	--	--	--	--	--	OFF	
PW-13	--	--	--	--	--	OFF	
PW-14	100-125	100	313,137,750	85	53.63'	pumping level Meter plugged. We cleaned it and got it working.	
PW-15	--	--	--	--	--	OFF	
PW-16	100-125	115	258,108,640	46	42.58'	pumping level Meter plugged. We cleaned it and got it working.	
500 GPM	--	--	--	--	--	OFF	

* TOTAL PUMPING RATE SHOULD NOT EXCEED 1,500 GPM

COMMENTS: Total rate is 361 GPM.

Field Inspection By: Ron Hughes / Palmer Andresen Date: 4/17/2014 Office Check By: _____ Date: _____

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Knoxville, TN 37932
Phone: (865) 573-8188
Fax: (865) 573-8133

Client: R. David Mursch
Prairie Ronde Realty Company
104 Rivercliff Drive
Connelly Springs, NC 28612

Phone: 8282345906

Fax:

Identifier: 058LE **Date Rec:** 05/14/2014 **Report Date:** 05/21/2014

Client Project #: 96-01 **Client Project Name:** PRR/OBP-BDA

Purchase Order #:

Analysis Requested: CENSUS

Reviewed By:

NOTICE: This report is intended only for the addressee shown above and may contain confidential or privileged information. If the recipient of this material is not the intended recipient or if you have received this in error, please notify Microbial Insights, Inc. immediately. The data and other information in this report represent only the sample(s) analyzed and are rendered upon condition that it is not to be reproduced without approval from Microbial Insights, Inc. Thank you for your cooperation.

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Prairie Ronde Realty Company**
Project: PRR/OBP-BDA

MI Project Number: **058LE**
Date Received: 05/14/2014

Sample Information

Client Sample ID:		**98-226A**	**98-225B**	**98-220A**	**IW-9**	**96-203A**
Sample Date:		05/13/2014	05/13/2014	05/13/2014	05/13/2014	05/13/2014
Units:		cells/mL	cells/mL	cells/mL	cells/mL	cells/mL
Analyst:		RW	RW	RW	RW	RW

Dechlorinating Bacteria

Dehalococcoides	*DHC*	**6.43E+01**	**8.22E+01**	**1.30E+00**	**6.45E+01**	**1.82E+01**
tceA Reductase	TCE	**6.80E+00**	**7.00E-01**	<5.00E-01	**3.00E-01 (J)**	**2.00E-01 (J)**
BAV1 Vinyl Chloride Reductase	BVC	<5.00E-01	<5.00E-01	<5.00E-01	<4.00E-01	<5.00E-01
Vinyl Chloride Reductase	VCR	**2.50E+00**	**1.00E-01 (J)**	<5.00E-01	<4.00E-01	<5.00E-01

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

MICROBIAL INSIGHTS, INC.

10515 Research Dr., Knoxville, TN 37932
Tel. (865) 573-8188 Fax. (865) 573-8133

CENSUS

Client: **Prairie Ronde Realty Company**
Project: PRR/OBP-BDA

MI Project Number: **058LE**
Date Received: 05/14/2014

Sample Information

Client Sample ID:	**98-223A**	**98-223B**
Sample Date:	05/13/2014	05/13/2014
Units:	cells/mL	cells/mL
Analyst:	RW	RW

Dechlorinating Bacteria

Dehalococcoides	*DHC*	**7.00E-01**	**1.40E+01**
tceA Reductase	TCE	<5.00E-01	<5.00E-01
BAV1 Vinyl Chloride Reductase	BVC	<5.00E-01	<5.00E-01
Vinyl Chloride Reductase	VCR	<5.00E-01	<5.00E-01

Legend:
NA = Not Analyzed NS = Not Sampled J = Estimated gene copies below PQL but above LQL I = Inhibited
< = Result not detected

Microseeps/Pace Analytical Energy Services, LLC
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

August 5, 2014

R. David Mursch, P.E.
RDM
4363 River Run Circle
Hickory, NC 28602

RE: **PRAIRIE**

Microseeps Workorder: 12787

Dear R. Mursch, P.E.:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, July 21, 2014. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Robbin Robl 08/05/2014
rrobl@microseeps.com

Customer Service Representative

Enclosures

As a valued client we would appreciate your comments on our service.
Please email info@microseeps.com.

Total Number of Pages 9

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Phone: (412) 826-5245
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LABORATORY ACCREDITATIONS & CERTIFICATIONS

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

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Phone: (412) 826-5245
Fax: (412) 826-3433

SAMPLE SUMMARY

Workorder: 12787 PRAIRIE

Lab ID	Sample ID	Matrix	Date Collected	Date Received
127870001	BLOWER EFFLUENT	Vapor	7/18/2014 10:15	7/21/2014 12:00

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Phone: (412) 826-5245
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ANALYTICAL RESULTS

Workorder: 12787 PRAIRIE

Lab ID: **127870001** Date Received: 7/21/2014 12:00 Matrix: Vapor

Sample ID: **BLOWER EFFLUENT** Date Collected: 7/18/2014 10:15

Parameters	Results	Units	PQL	MDL	DF	Prepared	By	Analyzed	By	Qual
RISK - MICR										
Analysis Desc: AM4.02 Vapors			Analytical Method: AM4.02 Vapors							
Vinyl Chloride	**0.10J**	ppmv	1.0	0.095	1			8/1/2014 09:32	SL	
1,1-Dichloroethene	**0.0010U**	ppmv	0.010	0.0010	1			8/1/2014 09:32	SL	
Methylene Chloride	**0.19U**	ppmv	2.0	0.19	1			8/1/2014 09:32	SL	
trans-1,2-Dichloroethene	**0.0080U**	ppmv	0.010	0.0080	1			8/1/2014 09:32	SL	
1,1-Dichloroethane	**0.0040U**	ppmv	0.020	0.0040	1			8/1/2014 09:32	SL	
cis-1,2-Dichloroethene	**0.027**	ppmv	0.020	0.0070	1			8/1/2014 09:32	SL	
Chloroform	**0.0010U**	ppmv	0.0050	0.0010	1			8/1/2014 09:32	SL	
1,1,1-Trichloroethane	**0.0010U**	ppmv	0.0050	0.0010	1			8/1/2014 09:32	SL	
Carbon Tetrachloride	**0.0010U**	ppmv	0.0050	0.0010	1			8/1/2014 09:32	SL	
Trichloroethene	**0.074**	ppmv	0.010	0.0010	1			8/1/2014 09:32	SL	
Tetrachloroethene	**0.0010U**	ppmv	0.010	0.0010	1			8/1/2014 09:32	SL	

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ANALYTICAL RESULTS QUALIFIERS

Workorder: 12787 PRAIRIE

DEFINITIONS/QUALIFIERS

Disclaimer : The Pennsylvania Department of Environmental Protection (PADEP) has decided to no longer recognize analyses that do not produce data for primary compliance, for NELAP accreditation. The methods affected by this decision are AM20GAx, AM21G, SW846 7199 and AM4.02. The laboratory shall continue to administer the NELAP/TNI standard requirements in the performance of these methods.

MDL	Method Detection Limit. Can be used synonymously with LOD; Limit Of Detection.
PQL	Practical Quanitation Limit. Can be used synonymously with LOQ; Limit Of Quantitation.
ND	Not detected at or above reporting limit.
DF	Dilution Factor.
S	Surrogate.
RPD	Relative Percent Difference.
% Rec	Percent Recovery.
U	Indicates the compound was analyzed for, but not detected at or above the noted concentration.
J	Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (PQL).

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Phone: (412) 826-5245
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QUALITY CONTROL DATA

Workorder: 12787 PRAIRIE

QC Batch: VAP/1591 Analysis Method: AM4.02 Vapors
QC Batch Method: AM4.02 Vapors
Associated Lab Samples: 127870001

METHOD BLANK: 29376

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
1,1-Dichloroethene	ppmv	0.0010U	0.0010	
trans-1,2-Dichloroethene	ppmv	0.0080U	0.0080	
1,1-Dichloroethane	ppmv	0.0040U	0.0040	
cis-1,2-Dichloroethene	ppmv	0.0070U	0.0070	
Chloroform	ppmv	0.0010U	0.0010	
1,1,1-Trichloroethane	ppmv	0.0010U	0.0010	
Carbon Tetrachloride	ppmv	0.0010U	0.0010	
Trichloroethene	ppmv	0.0010U	0.0010	
Tetrachloroethene	ppmv	0.0010U	0.0010	

METHOD BLANK: 29377

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
RISK				
Vinyl Chloride	ppmv	0.095U	0.095	
Methylene Chloride	ppmv	0.19U	0.19	

LABORATORY CONTROL SAMPLE & LCSD: 29378 29380

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
1,1-Dichloroethene	ppmv	0.65	0.77	0.68	118	105	75-125	12	20	
trans-1,2-Dichloroethene	ppmv	0.65	0.72	0.62	111	96	75-125	14	20	
1,1-Dichloroethane	ppmv	0.64	0.70	0.64	110	99	75-125	11	20	
cis-1,2-Dichloroethene	ppmv		0.0070U	0.0070U						
Chloroform	ppmv	0.53	0.58	0.53	110	99	75-125	11	20	
1,1,1-Trichloroethane	ppmv	0.47	0.53	0.48	113	102	75-125	10	20	
Carbon Tetrachloride	ppmv	0.41	0.45	0.42	110	103	75-125	6.6	20	
Trichloroethene	ppmv	0.48	0.50	0.48	105	100	75-125	4.9	20	
Tetrachloroethene	ppmv		0.0010U	0.0010U						

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QUALITY CONTROL DATA

Workorder: 12787 PRAIRIE

LABORATORY CONTROL SAMPLE & LCSD: 29379 29381

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Vinyl Chloride	ppmv		0.095U	0.095U						
Methylene Chloride	ppmv		0.19U	0.19U						

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 12787 PRAIRIE

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
127870001	BLOWER EFFLUENT			AM4.02 Vapors	VAP/1591

CERTIFICATE OF ANALYSIS

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Microseeps Lab. Proj. # 12787

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. #

Phone: (412) 826-5245 Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 Fax No. : (412) 826-3433

Company : Prairie Ronde Realty Company

Co. Address : 415 E Prairie Ronde ST. Dowagiac MI 49047

Phone # : 269-782-2141 Fax # :

Proj. Manager : DAVID Mursch

Proj. Name/Number :

Sampler's signature :

Cooler Temp.

Results to :

Invoice to :

Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# Bottles	Chlorinated VOC's										Remarks :
Blower Effluent			✓		7-18-14	10:15		X										
Blower Effluent			✓		7-18-14	10:20		X										

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
US Postal		7-18-14		[illegible]	PACS	7.21.14	1200
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

July 16, 2014

R. David Mursch
Prairie Ronde Realty Co.
415 E. Prairie Ronde St.
New Baltimore, MI 48047

RE: Project: PRR- Revised
Pace Project No.: 10271956

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

This report was revised to correct a sample labeling error which occured at Pace.

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

Sincerely,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

cc: Brian DeLong, Prairie Ronde Realty

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CERTIFICATIONS

Project: PRR- Revised
Pace Project No.: 10271956

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alabama Certification #40770
Alabama Certification #40770
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #: Pace
Georgia Certification #: 959
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
Wisconsin Certification #: 999407970
West Virginia Certification #: 382
West Virginia TO-15 Approval
West Virginia DHHR #:9952C

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SAMPLE SUMMARY

Project: PRR- Revised
Pace Project No.: 10271956

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10271956001	**NREC 1 (VMP-17)**	Air	06/20/14 10:58	06/25/14 09:48
10271956002	**NREC 1a (IA)**	Air	06/20/14 10:57	06/25/14 09:48
10271956003	**NREC 2 (VMP-18)**	Air	06/20/14 11:03	06/25/14 09:48
10271956004	**NREC 2a (IA)**	Air	06/20/14 11:01	06/25/14 09:48
10271956005	**LL-NE (IA)**	Air	06/20/14 11:08	06/25/14 09:48
10271956006	**LL-SW (IA)**	Air	06/20/14 11:10	06/25/14 09:48
10271956007	**SREC 1 (VMP-15)**	Air	06/20/14 11:05	06/25/14 09:48
10271956008	**SREC 1a (IA)**	Air	06/20/14 11:06	06/25/14 09:48
10271956009	**QT (VMP-16)**	Air	06/20/14 11:15	06/25/14 09:48
10271956010	**QT Office (IA)**	Air	06/20/14 11:12	06/25/14 09:48
10271956011	**MP (VMP-14)**	Air	06/20/14 11:20	06/25/14 09:48
10271956012	**MP2 (IA)**	Air	06/20/14 11:19	06/25/14 09:48
10271956013	**VH (VMP-13)**	Air	06/20/14 11:25	06/25/14 09:48
10271956014	**VH2 (IA)**	Air	06/20/14 11:23	06/25/14 09:48
10271956015	**JMT (VMP-12)**	Air	06/20/14 11:35	06/25/14 09:48
10271956016	**JMT2 (IA)**	Air	06/20/14 11:33	06/25/14 09:48
10271956017	**PRR Office (IA)**	Air	06/20/14 11:42	06/25/14 09:48
10271956018	**PRR Office (VMP-11)**	Air	06/20/14 11:40	06/25/14 09:48
10271956019	**Unused Can#0254**	Air		06/25/14 09:48

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SAMPLE ANALYTE COUNT

Project: PRR- Revised
Pace Project No.: 10271956

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10271956001	**NREC 1 (VMP-17)**	TO-15	MJL	8
10271956002	**NREC 1a (IA)**	TO-15	MJL	8
10271956003	**NREC 2 (VMP-18)**	TO-15	MJL	8
10271956004	**NREC 2a (IA)**	TO-15	MJL	8
10271956005	**LL-NE (IA)**	TO-15	MJL	8
10271956006	**LL-SW (IA)**	TO-15	MJL	8
10271956007	**SREC 1 (VMP-15)**	TO-15	MJL	8
10271956008	**SREC 1a (IA)**	TO-15	MJL	8
10271956009	**QT (VMP-16)**	TO-15	MJL	8
10271956010	**QT Office (IA)**	TO-15	MJL	8
10271956011	**MP (VMP-14)**	TO-15	MJL	8
10271956012	**MP2 (IA)**	TO-15	MJL	8
10271956013	**VH (VMP-13)**	TO-15	MJL	8
10271956014	**VH2 (IA)**	TO-15	MJL	8
10271956015	**JMT (VMP-12)**	TO-15	MJL	8
10271956016	**JMT2 (IA)**	TO-15	MJL	8
10271956017	**PRR Office (IA)**	TO-15	MJL	8
10271956018	**PRR Office (VMP-11)**	TO-15	MJL	8

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: NREC 1 (VMP-17) **Lab ID: 10271956001** Collected: 06/20/14 10:58 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.80	1.49		07/10/14 22:15	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.2	1.49		07/10/14 22:15	75-34-3	
cis-1,2-Dichloroethene	**6.5**	ug/m3	1.2	1.49		07/10/14 22:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.49		07/10/14 22:15	156-60-5	
Tetrachloroethene	**104**	ug/m3	1.0	1.49		07/10/14 22:15	127-18-4	
1,1,1-Trichloroethane	**14.5**	ug/m3	1.7	1.49		07/10/14 22:15	71-55-6	
Trichloroethene	**234**	ug/m3	0.82	1.49		07/10/14 22:15	79-01-6	
Vinyl chloride	ND	ug/m3	0.39	1.49		07/10/14 22:15	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: NREC 1a (IA) **Lab ID: 10271956002** Collected: 06/20/14 10:57 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.84	1.55		07/10/14 21:20	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		07/10/14 21:20	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		07/10/14 21:20	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		07/10/14 21:20	156-60-5	
Tetrachloroethene	**3.1**	ug/m3	1.1	1.55		07/10/14 21:20	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.55		07/10/14 21:20	71-55-6	
Trichloroethene	**1.4**	ug/m3	0.85	1.55		07/10/14 21:20	79-01-6	
Vinyl chloride	ND	ug/m3	0.40	1.55		07/10/14 21:20	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: NREC 2 (VMP-18) **Lab ID: 10271956003** Collected: 06/20/14 11:03 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.87	1.61		07/10/14 16:25	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		07/10/14 16:25	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		07/10/14 16:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		07/10/14 16:25	156-60-5	
Tetrachloroethene	**9.1**	ug/m3	1.1	1.61		07/10/14 16:25	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		07/10/14 16:25	71-55-6	
Trichloroethene	ND	ug/m3	0.89	1.61		07/10/14 16:25	79-01-6	
Vinyl chloride	ND	ug/m3	0.42	1.61		07/10/14 16:25	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: NREC 2a (IA) **Lab ID: 10271956004** Collected: 06/20/14 11:01 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.99	1.83		07/10/14 19:27	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		07/10/14 19:27	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		07/10/14 19:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		07/10/14 19:27	156-60-5	
Tetrachloroethene	**11.7**	ug/m3	1.3	1.83		07/10/14 19:27	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		07/10/14 19:27	71-55-6	
Trichloroethene	ND	ug/m3	1.0	1.83		07/10/14 19:27	79-01-6	
Vinyl chloride	ND	ug/m3	0.48	1.83		07/10/14 19:27	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: LL-NE (IA) **Lab ID: 10271956005** Collected: 06/20/14 11:08 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.84	1.55		07/10/14 16:56	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		07/10/14 16:56	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		07/10/14 16:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		07/10/14 16:56	156-60-5	
Tetrachloroethene	**1.1**	ug/m3	1.1	1.55		07/10/14 16:56	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.55		07/10/14 16:56	71-55-6	
Trichloroethene	ND	ug/m3	0.85	1.55		07/10/14 16:56	79-01-6	
Vinyl chloride	ND	ug/m3	0.40	1.55		07/10/14 16:56	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: LL-SW (IA) **Lab ID: 10271956006** Collected: 06/20/14 11:10 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.84	1.55		07/10/14 19:56	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		07/10/14 19:56	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		07/10/14 19:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		07/10/14 19:56	156-60-5	
Tetrachloroethene	**1.9**	ug/m3	1.1	1.55		07/10/14 19:56	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.55		07/10/14 19:56	71-55-6	
Trichloroethene	**1.2**	ug/m3	0.85	1.55		07/10/14 19:56	79-01-6	
Vinyl chloride	ND	ug/m3	0.40	1.55		07/10/14 19:56	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: SREC 1 (VMP-15) **Lab ID: 10271956007** Collected: 06/20/14 11:05 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.84	1.55		07/10/14 18:28	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.3	1.55		07/10/14 18:28	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		07/10/14 18:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.55		07/10/14 18:28	156-60-5	
Tetrachloroethene	**7.9**	ug/m3	1.1	1.55		07/10/14 18:28	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.7	1.55		07/10/14 18:28	71-55-6	
Trichloroethene	**67.8**	ug/m3	0.85	1.55		07/10/14 18:28	79-01-6	
Vinyl chloride	ND	ug/m3	0.40	1.55		07/10/14 18:28	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: SREC 1a (IA) **Lab ID: 10271956008** Collected: 06/20/14 11:06 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.87	1.61		07/10/14 15:23	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		07/10/14 15:23	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		07/10/14 15:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		07/10/14 15:23	156-60-5	
Tetrachloroethene	ND	ug/m3	1.1	1.61		07/10/14 15:23	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		07/10/14 15:23	71-55-6	
Trichloroethene	ND	ug/m3	0.89	1.61		07/10/14 15:23	79-01-6	
Vinyl chloride	ND	ug/m3	0.42	1.61		07/10/14 15:23	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: QT (VMP-16) **Lab ID: 10271956009** Collected: 06/20/14 11:15 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	1.1	2.01		07/11/14 00:32	75-00-3	
1,1-Dichloroethane	**6.7**	ug/m3	1.6	2.01		07/11/14 00:32	75-34-3	
cis-1,2-Dichloroethene	**18.3**	ug/m3	1.6	2.01		07/11/14 00:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.6	2.01		07/11/14 00:32	156-60-5	
Tetrachloroethene	**54.2**	ug/m3	1.4	2.01		07/11/14 00:32	127-18-4	
1,1,1-Trichloroethane	**82.3**	ug/m3	2.2	2.01		07/11/14 00:32	71-55-6	
Trichloroethene	**452**	ug/m3	22.1	40.2		07/11/14 00:58	79-01-6	
Vinyl chloride	ND	ug/m3	0.52	2.01		07/11/14 00:32	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: QT Office (IA) **Lab ID: 10271956010** Collected: 06/20/14 11:12 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.94	1.75		07/10/14 21:48	75-00-3	
1,1-Dichloroethane	**1.6**	ug/m3	1.4	1.75		07/10/14 21:48	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		07/10/14 21:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		07/10/14 21:48	156-60-5	
Tetrachloroethene	**21.9**	ug/m3	1.2	1.75		07/10/14 21:48	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		07/10/14 21:48	71-55-6	
Trichloroethene	**2.4**	ug/m3	0.96	1.75		07/10/14 21:48	79-01-6	
Vinyl chloride	ND	ug/m3	0.46	1.75		07/10/14 21:48	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: MP (VMP-14) **Lab ID: 10271956011** Collected: 06/20/14 11:20 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.94	1.75		07/10/14 20:24	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		07/10/14 20:24	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		07/10/14 20:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		07/10/14 20:24	156-60-5	
Tetrachloroethene	**2.2**	ug/m3	1.2	1.75		07/10/14 20:24	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		07/10/14 20:24	71-55-6	
Trichloroethene	**82.2**	ug/m3	0.96	1.75		07/10/14 20:24	79-01-6	
Vinyl chloride	ND	ug/m3	0.46	1.75		07/10/14 20:24	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: MP2 (IA) **Lab ID: 10271956012** Collected: 06/20/14 11:19 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.87	1.61		07/10/14 17:58	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		07/10/14 17:58	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		07/10/14 17:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		07/10/14 17:58	156-60-5	
Tetrachloroethene	ND	ug/m3	1.1	1.61		07/10/14 17:58	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.8	1.61		07/10/14 17:58	71-55-6	
Trichloroethene	ND	ug/m3	0.89	1.61		07/10/14 17:58	79-01-6	
Vinyl chloride	ND	ug/m3	0.42	1.61		07/10/14 17:58	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: VH (VMP-13) **Lab ID: 10271956013** Collected: 06/20/14 11:25 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.87	1.61		07/10/14 20:53	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.3	1.61		07/10/14 20:53	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		07/10/14 20:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.3	1.61		07/10/14 20:53	156-60-5	
Tetrachloroethene	**1.8**	ug/m3	1.1	1.61		07/10/14 20:53	127-18-4	
1,1,1-Trichloroethane	**25.7**	ug/m3	1.8	1.61		07/10/14 20:53	71-55-6	
Trichloroethene	**533**	ug/m3	8.9	16.1		07/11/14 15:05	79-01-6	
Vinyl chloride	ND	ug/m3	0.42	1.61		07/10/14 20:53	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: VH2 (IA) **Lab ID: 10271956014** Collected: 06/20/14 11:23 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.91	1.68		07/10/14 15:53	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		07/10/14 15:53	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		07/10/14 15:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		07/10/14 15:53	156-60-5	
Tetrachloroethene	ND	ug/m3	1.2	1.68		07/10/14 15:53	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.68		07/10/14 15:53	71-55-6	
Trichloroethene	ND	ug/m3	0.92	1.68		07/10/14 15:53	79-01-6	
Vinyl chloride	ND	ug/m3	0.44	1.68		07/10/14 15:53	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: JMT (VMP-12) **Lab ID: 10271956015** Collected: 06/20/14 11:35 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.94	1.75		07/10/14 23:10	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.4	1.75		07/10/14 23:10	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		07/10/14 23:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.75		07/10/14 23:10	156-60-5	
Tetrachloroethene	**2.4**	ug/m3	1.2	1.75		07/10/14 23:10	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	1.9	1.75		07/10/14 23:10	71-55-6	
Trichloroethene	**4.3**	ug/m3	0.96	1.75		07/10/14 23:10	79-01-6	
Vinyl chloride	ND	ug/m3	0.46	1.75		07/10/14 23:10	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: JMT2 (IA) **Lab ID: 10271956016** Collected: 06/20/14 11:33 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	1.1	2.01		07/10/14 18:57	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.6	2.01		07/10/14 18:57	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.6	2.01		07/10/14 18:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.6	2.01		07/10/14 18:57	156-60-5	
Tetrachloroethene	**2.2**	ug/m3	1.4	2.01		07/10/14 18:57	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	2.2	2.01		07/10/14 18:57	71-55-6	
Trichloroethene	**1.7**	ug/m3	1.1	2.01		07/10/14 18:57	79-01-6	
Vinyl chloride	ND	ug/m3	0.52	2.01		07/10/14 18:57	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: PRR Office (IA) **Lab ID: 10271956017** Collected: 06/20/14 11:42 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.99	1.83		07/10/14 17:28	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.5	1.83		07/10/14 17:28	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		07/10/14 17:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.5	1.83		07/10/14 17:28	156-60-5	
Tetrachloroethene	**2.1**	ug/m3	1.3	1.83		07/10/14 17:28	127-18-4	
1,1,1-Trichloroethane	ND	ug/m3	2.0	1.83		07/10/14 17:28	71-55-6	
Trichloroethene	**1.8**	ug/m3	1.0	1.83		07/10/14 17:28	79-01-6	
Vinyl chloride	ND	ug/m3	0.48	1.83		07/10/14 17:28	75-01-4	

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ANALYTICAL RESULTS

Project: PRR- Revised
Pace Project No.: 10271956

Sample: PRR Office (VMP-11) **Lab ID: 10271956018** Collected: 06/20/14 11:40 Received: 06/25/14 09:48 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Chloroethane	ND	ug/m3	0.80	1.49		07/11/14 00:05	75-00-3	
1,1-Dichloroethane	ND	ug/m3	1.2	1.49		07/11/14 00:05	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.49		07/11/14 00:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.49		07/11/14 00:05	156-60-5	
Tetrachloroethene	**9.4**	ug/m3	1.0	1.49		07/11/14 00:05	127-18-4	
1,1,1-Trichloroethane	**8.5**	ug/m3	1.7	1.49		07/11/14 00:05	71-55-6	
Trichloroethene	**370**	ug/m3	8.2	14.9		07/11/14 15:30	79-01-6	
Vinyl chloride	ND	ug/m3	0.39	1.49		07/11/14 00:05	75-01-4	

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QUALITY CONTROL DATA

Project: PRR- Revised
Pace Project No.: 10271956

QC Batch: AIR/20744 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10271956001, 10271956002, 10271956003, 10271956004, 10271956005, 10271956006, 10271956007, 10271956008, 10271956009, 10271956010, 10271956011, 10271956012, 10271956013, 10271956014, 10271956015, 10271956016, 10271956017, 10271956018

METHOD BLANK: 1729551 Matrix: Air
Associated Lab Samples: 10271956001, 10271956002, 10271956003, 10271956004, 10271956005, 10271956006, 10271956007, 10271956008, 10271956009, 10271956010, 10271956011, 10271956012, 10271956013, 10271956014, 10271956015, 10271956016, 10271956017, 10271956018

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	07/10/14 13:54	
1,1-Dichloroethane	ug/m3	ND	0.82	07/10/14 13:54	
Chloroethane	ug/m3	ND	0.54	07/10/14 13:54	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	07/10/14 13:54	
Tetrachloroethene	ug/m3	ND	0.69	07/10/14 13:54	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	07/10/14 13:54	
Trichloroethene	ug/m3	ND	0.55	07/10/14 13:54	
Vinyl chloride	ug/m3	ND	0.26	07/10/14 13:54	

LABORATORY CONTROL SAMPLE: 1729552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	55.4	100	72-128	
1,1-Dichloroethane	ug/m3	41.2	43.8	106	68-128	
Chloroethane	ug/m3	26.8	28.8	107	69-128	
cis-1,2-Dichloroethene	ug/m3	40.3	42.5	105	71-135	
Tetrachloroethene	ug/m3	69	73.9	107	69-136	
trans-1,2-Dichloroethene	ug/m3	40.3	39.2	97	70-131	
Trichloroethene	ug/m3	54.6	58.9	108	70-135	
Vinyl chloride	ug/m3	26	28.1	108	69-132	

SAMPLE DUPLICATE: 1730432

Parameter	Units	10271956001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	14.5	16.1	11	25	
1,1-Dichloroethane	ug/m3	ND	.98J		25	
Chloroethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	6.5	7.0	7	25	
Tetrachloroethene	ug/m3	104	115	11	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	234	249	6	25	
Vinyl chloride	ug/m3	ND	ND		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: PRR- Revised
Pace Project No.: 10271956

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: PRR- Revised
Pace Project No.: 10271956

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10271956001	**NREC 1 (VMP-17)**	TO-15	AIR/20744		
10271956002	**NREC 1a (IA)**	TO-15	AIR/20744		
10271956003	**NREC 2 (VMP-18)**	TO-15	AIR/20744		
10271956004	**NREC 2a (IA)**	TO-15	AIR/20744		
10271956005	**LL-NE (IA)**	TO-15	AIR/20744		
10271956006	**LL-SW (IA)**	TO-15	AIR/20744		
10271956007	**SREC 1 (VMP-15)**	TO-15	AIR/20744		
10271956008	**SREC 1a (IA)**	TO-15	AIR/20744		
10271956009	**QT (VMP-16)**	TO-15	AIR/20744		
10271956010	**QT Office (IA)**	TO-15	AIR/20744		
10271956011	**MP (VMP-14)**	TO-15	AIR/20744		
10271956012	**MP2 (IA)**	TO-15	AIR/20744		
10271956013	**VH (VMP-13)**	TO-15	AIR/20744		
10271956014	**VH2 (IA)**	TO-15	AIR/20744		
10271956015	**JMT (VMP-12)**	TO-15	AIR/20744		
10271956016	**JMT2 (IA)**	TO-15	AIR/20744		
10271956017	**PRR Office (IA)**	TO-15	AIR/20744		
10271956018	**PRR Office (VMP-11)**	TO-15	AIR/20744		

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10271956

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 2

Section A Required Client Information:

Company: Prairie Ronde Realty Co
Address: 415 E Prairie Ronde ST
Dowagiac MI 49047
Email To: davidmursch@earthlink.net
Phone: 269-782-2141 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: R David Mursch
Copy To: Brian DeLong
Purchase Order No.: NA
Project Name: PRR
Project Number: NA

Section C Invoice Information:

Attention: Brian DeLong
Company Name: Prairie Ronde Realty Co.
Address: 415 E Prairie Ronde ST., Dowagiac, MI. 49047
Pace Quote Reference:
Pace Project Manager/Sales Rep. Carolynne Trout
Pace Profile #:

Program: UST / Superfund / Emissions / Clean Air Act / Voluntary Clean Up / Dry Clean / RCRA / Other____

Location of Sampling by State MI

Reporting Units: ug/m³ X mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level II.___ III.___ IV.___ Other____

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	Section D Required Client Information: AIR SAMPLE ID (Sample IDs MUST BE UNIQUE)	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START END/GRAB DATE	TIME	COMPOSITE - DATE	TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	Pace Lab ID
1	NREC 1 (VMP-17)			6-19-14	11:50	6-20-14	10:58	-29	-05	537	0369							X			001
2	NREC 1a (IA)			6-19-14	11:51	6-20-14	10:57	-30	-04	0005	0106							X			002
3	NREC 2 (VMP-18)			6-19-14	11:56	6-20-14	11:03	-29	-04	0004	0608							X			003
4	NREC 2a (IA)			6-19-14	11:52	6-20-14	11:01	-28	-10	1481	0114							X			004
5	LL-NE (IA)			6-19-14	12:07	6-20-14	11:08	-27	-04	2721	0220							X			005
6	LL-SW (IA)			6-19-14	12:11	6-20-14	11:10	-29	-05	2380	0350							X			006
7	SREC 1 (VMP-15)			6-19-14	12:04	6-20-14	11:05	-28	-04	592	0084							X			007
8	SREC 1a (IA)			6-19-14	12:02	6-20-14	11:06	-30	-05	0284	0211							X			008
9	QT (VMP-16)			6-19-14	12:20	6-20-14	11:15	-30	-10	798	0026							X			009
10	QT Office (IA)			6-19-14	12:18	6-20-14	11:12	-30	-07	291	0081							X			010
11	MP (VMP-14)			6-19-14	12:30	6-20-14	11:20	-27	-07	0554	0069							X			011
12	MP 2 (IA)			6-19-14	12:27	6-20-14	11:19	-27	-04	1079	0012							X			012

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Brian DeLong / PRR	6-23-14		Pace	62514	0948

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
AMB	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

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

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Page: of

Section A Required Client Information:

Company: Prairie Ronde Realty Co
Address: 415 E Prairie Ronde ST, Dowagiac MI 49047
Email To: dandmursch@earthlink.net
Phone: 269-782-2141 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: R David Mursch
Copy To: Brian Delong
Purchase Order No.: NA
Project Name: PRR
Project Number: NA

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Company Name: Prairie Ronde Realty Co.
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Pace Project Manager/Sales Rep. Carolynne TROUT
Pace Profile #:

Program: UST / Superfund / Emissions / Clean Air Act / ✓ Voluntary Clean Up / Dry Clean / RCRA / Other____

Location of Sampling by State MI

Reporting Units: ug/m³ ✓ mg/m³ ___ PPBV ___ PPMV ___ Other ___

Report Level: II.___ III.___ IV.___ Other____

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

Section D Required Client Information

ITEM #	AIR SAMPLE ID (Sample IDs MUST BE UNIQUE)	MEDIA CODE	PID Reading (Client only)	COLLECTED: COMPOSITE START END/GRAB DATE	TIME	COMPOSITE - DATE	TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	Pace Lab ID
1	VH (VMP-13)			6-19-14	12:37	6-20-14	11:25	-27	-04	636	0148							X			013
2	VH 2 (IA)			6-19-14	12:35	6-20-14	11:23	-30	-07	0511	0215							X			014
3	JMT (VMP-12)			6-19-14	12:46	6-20-14	11:35	-30	-08	2377	0262							X			015
4	JMT 2 (IA)			6-19-14	12:44	6-20-14	11:33	-30	-10	185	0394							X			016
5	PRR office (VMP-11)			6-19-14	12:51	6-20-14	11:42	-30	-09	194	0322							X			017
6	PRR office (IA)			6-19-14	12:53	6-20-14	11:40	-30	-03	673	0235							X			018
7																					019
8																					
9																					
10																					
11																					
12																					

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Brian Delong / PRR	6-23-14		Pace	6-25-14	0948

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
AMB	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

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

ORIGINAL

Pace Analytical	Document Name: **Air Sample Condition Upon Receipt**	Document Revised: 26Dec2013 Page 1 of 1
	Document No.: **F-MN-A-106-rev.09**	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Prairie Ronde Realty Co.

Project #: WO#: 10271956

10271956

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

Tracking Number: on other sheet

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other: _____ **Temp Blank rec:** ☐ Yes ☑ No

Temp. (TO17 and TO13 samples only) (°C): — **Corrected Temp (°C):** — **Thermom. Used:** ☐ B88A912167504 ☐ B88A9132521491 ☐ 72337080 ☐ 80512447

Temp should be above freezing to 6°C **Correction Factor:** — **Date & Initials of Person Examining Contents:** 6/25/14

Type of ice Received ☐ Blue ☐ Wet ☑ None

				Comments:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Media: air can				11.
Sample Labels Match COC?	☑ Yes	☐ No	☐ N/A	12.

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
NREC 1	0537	0369	MP	0554	0069
NREC 1a	0005	0106	MP2	1079	0012
NREL 2	0004	0608	VH	0636	0148
NREL 2a	1481	0114	VH2	0511	0215
LL-NE	2721	0220	JMT	2377	0262
LL-SW	2380	0350	JMT 2	0185	0394
SREC 1	0592	0084	PRR (Vmp 11)	0196	0322
SREC 1a	0284	0211	PRR (IA)	0673	0235
QT	0798	0026	unused		
QT office	0291	0081			

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____ **Date:** 6/25/14

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

Pace Analytical®	Document Name: **SCUR Exceptions Form**	Document Revised: 16Apr2012 Page 1 of 1
	Document No.: **F-MN-L-220-Rev.00**	Issuing Authority: Pace Minnesota Quality Office

Workorder #: _____

Issue	Sample ID	Container Type/#
5979 6584 9891		
5979 6584 9917		
5979 6584 9906		
5979 6584 9880		
5979 6584 9870		

June 02, 2014

Prairie Ronde Realty Company
Attn: Mr. R. David Mursch
104 Rivercliff Drive
Connelly Springs, NC 28612

Project: NCP Dowagiac, MI

Dear Mr. R. David Mursch,

Enclosed is a copy of the laboratory report for the following work order(s) received by TriMatrix Laboratories:

Work Order	**Received**	**Description**
1405286	05/16/2014	PRR - GSI / MNA

This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) and/or one of the following certification programs:

ACLASS DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#88-0730/13-049-0); Florida DEP (#E87622-24); Georgia EPD (#E87622-24); Illinois DEP (#200026/003329); Kansas DPH (#E-10302); Kentucky DEP (#0021); Louisiana DEP (#103068); Michigan DPH (#0034); Minnesota DPH (#491715); New York ELAP (#11776/48855); North Carolina DNRE (#659); Texas CEQ (#T104704495-14-4); Virginia DCLS (#460153/2592); Wisconsin DNR (#999472650); USDA Soil Import Permit (#P330-12-00236).

Any qualification or narration of results, including sample acceptance requirements and test exceptions to the above referenced programs, is presented in the Statement of Data Qualifications and Project Technical Narrative sections of this report. Estimates of analytical uncertainties and certification documents for the test results contained within this report are available upon request.

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

Sincerely,

Gary L. Wood
Project Chemist

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PROJECT TECHNICAL NARRATIVE(s)

No Project Narrative is associated with this report.

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The corresponding CCV for this analytical batch had a recovery exceeding the upper control limit of the method. A positive result for this analyte in any associated samples are considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-8260B

Sample/Analyte:	1405286-14	IW-20	Carbon Disulfide
	1405286-16	98-244A	Carbon Disulfide

Qualification: The corresponding CCV for this analytical batch had a recovery below the lower control limit of the method. Positive results for this analyte in any associated samples are considered estimated; non-detectable results are considered approximate.

Analysis: USEPA-8260B

Sample/Analyte:	1405286-01	83-19A	Carbon Disulfide
	1405286-03	Trip Blank #3 TM3381	Carbon Disulfide
	1405286-04	06-21/1	Carbon Disulfide
	1405286-05	06-21/2	Carbon Disulfide
	1405286-06	06-21/3	Carbon Disulfide
	1405286-07	06-21/4	Carbon Disulfide
	1405286-08	98-245A	Carbon Disulfide
	1405286-09	83-28A	Carbon Disulfide
	1405286-10	83-28B	Carbon Disulfide
	1405286-11	83-21A	Carbon Disulfide
	1405286-12	83-21B	Carbon Disulfide
	1405286-13	IW-24	Carbon Disulfide
	1405286-15	IW-18	Carbon Disulfide
	1405286-17	97-213B	Carbon Disulfide
	1405286-18	97-212B	Carbon Disulfide
	1405286-19	05-16	Carbon Disulfide

Qualification: The chemical utilized to preserve this sample has the potential to degrade 2-chloroethyl vinyl ether through polymerization or other rapid chemical reaction. The reporting limit and/or any positive result must be considered estimated.

Analysis: USEPA-8260B

Sample:	1405286-01	83-19A
	1405286-03	Trip Blank #3 TM3381
	1405286-04	06-21/1
	1405286-05	06-21/2
	1405286-06	06-21/3
	1405286-07	06-21/4
	1405286-08	98-245A
	1405286-09	83-28A
	1405286-10	83-28B
	1405286-11	83-21A
	1405286-12	83-21B
	1405286-13	IW-24
	1405286-14	IW-20

Continued on next page

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B (Continued)

Qualification: The chemical utilized to preserve this sample has the potential to degrade 2-chloroethyl vinyl ether through polymerization or other rapid chemical reaction. The reporting limit and/or any positive result must be considered estimated.

Analysis: USEPA-8260B

Sample:	1405286-15	IW-18
	1405286-16	98-244A
	1405286-17	97-213B
	1405286-18	97-212B
	1405286-19	05-16

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**83-19A**	Sampled:	5/13/14 16:30		
Lab Sample ID:	**1405286-01**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 11:24	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**3.0**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

Continued on next page

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**83-19A**	Sampled:	5/13/14 16:30		
Lab Sample ID:	**1405286-01**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 11:24	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*92*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**Trip Blank #3 TM3381**	Sampled:	5/13/14 0:00		
Lab Sample ID:	**1405286-03**	Sampled By:	TML		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 10:58	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

Continued on next page

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**Trip Blank #3 TM3381**	Sampled:	5/13/14 0:00		
Lab Sample ID:	**1405286-03**	Sampled By:	TML		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 10:58	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*95*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**06-21/1**	Sampled:	5/14/14 13:05		
Lab Sample ID:	**1405286-04**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 11:51	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

Continued on next page

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**06-21/1**	Sampled:	5/14/14 13:05		
Lab Sample ID:	**1405286-04**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 11:51	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*98*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*92*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**06-21/2**	Sampled:	5/14/14 12:50		
Lab Sample ID:	**1405286-05**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 12:17	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	**5.9**	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**1.6**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

Continued on next page

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**06-21/2**	Sampled:	5/14/14 12:50		
Lab Sample ID:	**1405286-05**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 12:17	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*97*	*85-118*
1,2-Dichloroethane-d4	*98*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*90*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**06-21/3**	Sampled:	5/14/14 12:40		
Lab Sample ID:	**1405286-06**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 12:43	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**11**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**5.7**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**06-21/3**	Sampled:	5/14/14 12:40		
Lab Sample ID:	**1405286-06**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 12:43	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*99*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*92*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**06-21/4**	Sampled:	5/14/14 12:30		
Lab Sample ID:	**1405286-07**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 13:10	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**120**	1.0
156-60-5	trans-1,2-Dichloroethene	**3.9**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	**1.8**	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**06-21/4**	Sampled:	5/14/14 12:30		
Lab Sample ID:	**1405286-07**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 13:10	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*98*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**98-245A**	Sampled:	5/14/14 13:25		
Lab Sample ID:	**1405286-08**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	2	Analyzed:	5/20/14 13:36	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<10	10
71-43-2	Benzene	<2.0	2.0
75-27-4	Bromodichloromethane	<0.50	0.50
*75-15-0	Carbon Disulfide	<10	10
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
110-75-8	2-Chloroethyl Vinyl Ether	<10	10
67-66-3	Chloroform	<0.50	0.50
74-87-3	Chloromethane	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-34-3	1,1-Dichloroethane	<2.0	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	**27**	2.0
156-60-5	trans-1,2-Dichloroethene	**2.2**	2.0
78-87-5	1,2-Dichloropropane	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
591-78-6	2-Hexanone	<10	10
75-09-2	Methylene Chloride	<2.0	2.0
78-93-3	2-Butanone (MEK)	<10	10
100-42-5	Styrene	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<2.0	2.0
108-88-3	Toluene	<2.0	2.0
71-55-6	1,1,1-Trichloroethane	<2.0	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	**210**	2.0
75-01-4	Vinyl Chloride	<2.0	2.0
1330-20-7	Xylene (Total)	<6.0	6.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**98-245A**	Sampled:	5/14/14 13:25		
Lab Sample ID:	**1405286-08**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	2	Analyzed:	5/20/14 13:36	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*101*	*85-118*
1,2-Dichloroethane-d4	*99*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*92*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**83-28A**	Sampled:	5/14/14 13:50		
Lab Sample ID:	**1405286-09**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 14:03	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**110**	1.0
156-60-5	trans-1,2-Dichloroethene	**13**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**83-28A**	Sampled:	5/14/14 13:50		
Lab Sample ID:	**1405286-09**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 14:03	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*100*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*89*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**83-28B**	Sampled:	5/14/14 14:12		
Lab Sample ID:	**1405286-10**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 14:29	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**19**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**6.0**	1.0
75-01-4	Vinyl Chloride	**3.5**	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**83-28B**	Sampled:	5/14/14 14:12		
Lab Sample ID:	**1405286-10**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 14:29	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*99*	*85-118*
1,2-Dichloroethane-d4	*98*	*87-122*
Toluene-d8	*94*	*85-113*
4-Bromofluorobenzene	*89*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**83-21A**	Sampled:	5/14/14 14:40		
Lab Sample ID:	**1405286-11**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 15:23	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**2.7**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**83-21A**	Sampled:	5/14/14 14:40		
Lab Sample ID:	**1405286-11**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 15:23	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*101*	*85-118*
1,2-Dichloroethane-d4	*96*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*92*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**83-21B**	Sampled:	5/14/14 15:05		
Lab Sample ID:	**1405286-12**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 15:49	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**7.4**	1.0
156-60-5	trans-1,2-Dichloroethene	**1.4**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**37**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**83-21B**	Sampled:	5/14/14 15:05		
Lab Sample ID:	**1405286-12**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 15:49	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*100*	*85-118*
1,2-Dichloroethane-d4	*99*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*90*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**IW-24**	Sampled:	5/14/14 15:25		
Lab Sample ID:	**1405286-13**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/20/14 14:56	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<25	25
71-43-2	Benzene	<5.0	5.0
75-27-4	Bromodichloromethane	<1.2	1.2
*75-15-0	Carbon Disulfide	<25	25
56-23-5	Carbon Tetrachloride	<5.0	5.0
108-90-7	Chlorobenzene	<5.0	5.0
110-75-8	2-Chloroethyl Vinyl Ether	<25	25
67-66-3	Chloroform	<1.2	1.2
74-87-3	Chloromethane	<5.0	5.0
95-50-1	1,2-Dichlorobenzene	<5.0	5.0
106-46-7	1,4-Dichlorobenzene	<5.0	5.0
75-34-3	1,1-Dichloroethane	<5.0	5.0
107-06-2	1,2-Dichloroethane	<5.0	5.0
75-35-4	1,1-Dichloroethene	<5.0	5.0
156-59-2	cis-1,2-Dichloroethene	**300**	5.0
156-60-5	trans-1,2-Dichloroethene	**6.5**	5.0
78-87-5	1,2-Dichloropropane	<5.0	5.0
100-41-4	Ethylbenzene	<5.0	5.0
591-78-6	2-Hexanone	<25	25
75-09-2	Methylene Chloride	<5.0	5.0
78-93-3	2-Butanone (MEK)	<25	25
100-42-5	Styrene	<5.0	5.0
79-34-5	1,1,2,2-Tetrachloroethane	<2.5	2.5
127-18-4	Tetrachloroethene	<5.0	5.0
108-88-3	Toluene	<5.0	5.0
71-55-6	1,1,1-Trichloroethane	<5.0	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	**430**	5.0
75-01-4	Vinyl Chloride	**16**	5.0
1330-20-7	Xylene (Total)	<15	15

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**IW-24**	Sampled:	5/14/14 15:25		
Lab Sample ID:	**1405286-13**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	5	Analyzed:	5/20/14 14:56	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*100*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*94*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**IW-20**	Sampled:	5/14/14 15:48		
Lab Sample ID:	**1405286-14**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/21/14 8:00	By:	DLV
Dilution Factor:	2.5	Analyzed:	5/21/14 15:52	By:	DLV
QC Batch:	1404793	Analytical Batch:	4E21029		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<12	12
71-43-2	Benzene	<2.5	2.5
75-27-4	Bromodichloromethane	<0.62	0.62
*75-15-0	Carbon Disulfide	<12	12
56-23-5	Carbon Tetrachloride	<2.5	2.5
108-90-7	Chlorobenzene	<2.5	2.5
110-75-8	2-Chloroethyl Vinyl Ether	<12	12
67-66-3	Chloroform	<0.62	0.62
74-87-3	Chloromethane	<2.5	2.5
95-50-1	1,2-Dichlorobenzene	<2.5	2.5
106-46-7	1,4-Dichlorobenzene	<2.5	2.5
75-34-3	1,1-Dichloroethane	<2.5	2.5
107-06-2	1,2-Dichloroethane	<2.5	2.5
75-35-4	1,1-Dichloroethene	<2.5	2.5
156-59-2	cis-1,2-Dichloroethene	**340**	2.5
156-60-5	trans-1,2-Dichloroethene	**27**	2.5
78-87-5	1,2-Dichloropropane	<2.5	2.5
100-41-4	Ethylbenzene	<2.5	2.5
591-78-6	2-Hexanone	<12	12
75-09-2	Methylene Chloride	<2.5	2.5
78-93-3	2-Butanone (MEK)	<12	12
100-42-5	Styrene	<2.5	2.5
79-34-5	1,1,2,2-Tetrachloroethane	<1.2	1.2
127-18-4	Tetrachloroethene	<2.5	2.5
108-88-3	Toluene	<2.5	2.5
71-55-6	1,1,1-Trichloroethane	<2.5	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	**120**	2.5
75-01-4	Vinyl Chloride	<2.5	2.5
1330-20-7	Xylene (Total)	<7.5	7.5

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**IW-20**	Sampled:	5/14/14 15:48		
Lab Sample ID:	**1405286-14**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/21/14 8:00	By:	DLV
Dilution Factor:	2.5	Analyzed:	5/21/14 15:52	By:	DLV
QC Batch:	1404793	Analytical Batch:	4E21029		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*98*	*85-118*
1,2-Dichloroethane-d4	*95*	*87-122*
Toluene-d8	*94*	*85-113*
4-Bromofluorobenzene	*90*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**IW-18**	Sampled:	5/14/14 16:05		
Lab Sample ID:	**1405286-15**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 16:42	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**160**	1.0
156-60-5	trans-1,2-Dichloroethene	**9.5**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**1.4**	1.0
75-01-4	Vinyl Chloride	**2.8**	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**IW-18**	Sampled:	5/14/14 16:05		
Lab Sample ID:	**1405286-15**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 16:42	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*98*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**98-244A**	Sampled:	5/15/14 7:15		
Lab Sample ID:	**1405286-16**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/21/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/21/14 16:18	By:	DLV
QC Batch:	1404793	Analytical Batch:	4E21029		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**130**	1.0
156-60-5	trans-1,2-Dichloroethene	**9.5**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**1.1**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

Continued on next page

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**98-244A**	Sampled:	5/15/14 7:15		
Lab Sample ID:	**1405286-16**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/21/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/21/14 16:18	By:	DLV
QC Batch:	1404793	Analytical Batch:	4E21029		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*100*	*85-118*
1,2-Dichloroethane-d4	*95*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*90*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**97-213B**	Sampled:	5/15/14 7:40		
Lab Sample ID:	**1405286-17**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	2.5	Analyzed:	5/20/14 17:35	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<12	12
71-43-2	Benzene	<2.5	2.5
75-27-4	Bromodichloromethane	<0.62	0.62
*75-15-0	Carbon Disulfide	<12	12
56-23-5	Carbon Tetrachloride	<2.5	2.5
108-90-7	Chlorobenzene	<2.5	2.5
110-75-8	2-Chloroethyl Vinyl Ether	<12	12
67-66-3	Chloroform	<0.62	0.62
74-87-3	Chloromethane	<2.5	2.5
95-50-1	1,2-Dichlorobenzene	<2.5	2.5
106-46-7	1,4-Dichlorobenzene	<2.5	2.5
75-34-3	1,1-Dichloroethane	<2.5	2.5
107-06-2	1,2-Dichloroethane	<2.5	2.5
75-35-4	1,1-Dichloroethene	<2.5	2.5
156-59-2	cis-1,2-Dichloroethene	**290**	2.5
156-60-5	trans-1,2-Dichloroethene	**36**	2.5
78-87-5	1,2-Dichloropropane	<2.5	2.5
100-41-4	Ethylbenzene	<2.5	2.5
591-78-6	2-Hexanone	<12	12
75-09-2	Methylene Chloride	<2.5	2.5
78-93-3	2-Butanone (MEK)	<12	12
100-42-5	Styrene	<2.5	2.5
79-34-5	1,1,2,2-Tetrachloroethane	<1.2	1.2
127-18-4	Tetrachloroethene	<2.5	2.5
108-88-3	Toluene	<2.5	2.5
71-55-6	1,1,1-Trichloroethane	<2.5	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	**7.0**	2.5
75-01-4	Vinyl Chloride	**11**	2.5
1330-20-7	Xylene (Total)	<7.5	7.5

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**97-213B**	Sampled:	5/15/14 7:40		
Lab Sample ID:	**1405286-17**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	2.5	Analyzed:	5/20/14 17:35	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*99*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*95*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**97-212B**	Sampled:	5/15/14 8:05		
Lab Sample ID:	**1405286-18**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 18:01	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	**1.0**	1.0
156-59-2	cis-1,2-Dichloroethene	**88**	1.0
156-60-5	trans-1,2-Dichloroethene	**4.0**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**88**	1.0
75-01-4	Vinyl Chloride	**1.3**	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**97-212B**	Sampled:	5/15/14 8:05		
Lab Sample ID:	**1405286-18**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 18:01	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*100*	*85-118*
1,2-Dichloroethane-d4	*96*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*90*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**05-16**	Sampled:	5/15/14 8:30		
Lab Sample ID:	**1405286-19**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 18:28	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
*75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	**0.35**	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**8.1**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405286**		
Project:	NCP Dowagiac, MI	Description:	PRR - GSI / MNA		
Client Sample ID:	**05-16**	Sampled:	5/15/14 8:30		
Lab Sample ID:	**1405286-19**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:30		
Unit:	ug/L	Prepared:	5/20/14 8:00	By:	DLV
Dilution Factor:	1	Analyzed:	5/20/14 18:28	By:	DLV
QC Batch:	1404765	Analytical Batch:	4E21003		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*101*	*85-118*
1,2-Dichloroethane-d4	*99*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*91*	*82-110*

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404765 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/20/2014 By: DLV

Unit: ug/L Analytical Batch: 4E21003

Acetone	<5.0		--	5.0
Benzene	<1.0			1.0
Bromodichloromethane	<0.25			0.25
Carbon Disulfide	<5.0		--	5.0
Carbon Tetrachloride	<1.0			1.0
Chlorobenzene	<1.0			1.0
2-Chloroethyl Vinyl Ether	<5.0			5.0
Chloroform	<0.25			0.25
Chloromethane	<1.0			1.0
1,2-Dichlorobenzene	<1.0			1.0
1,4-Dichlorobenzene	<1.0		--	1.0
1,1-Dichloroethane	<1.0			1.0
1,2-Dichloroethane	<1.0			1.0
1,1-Dichloroethene	<1.0			1.0
cis-1,2-Dichloroethene	<1.0			1.0
trans-1,2-Dichloroethene	<1.0			1.0
1,2-Dichloropropane	<1.0			1.0
Ethylbenzene	<1.0			1.0
2-Hexanone	<5.0			5.0
Methylene Chloride	<1.0			1.0
2-Butanone (MEK)	<5.0			5.0
Styrene	<1.0			1.0
1,1,2,2-Tetrachloroethane	<0.50			0.50
Tetrachloroethene	<1.0			1.0
Toluene	<1.0			1.0
1,1,1-Trichloroethane	<1.0			1.0
1,1,2-Trichloroethane	<1.0			1.0
Trichloroethene	<1.0			1.0
Vinyl Chloride	<1.0			1.0
Xylene (Total)	<3.0			3.0
Surrogates:				
Dibromofluoromethane		*95*	*85-118*	
1,2-Dichloroethane-d4		*95*	*87-122*	

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1404765 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)					Analyzed:		05/20/2014	By: DLV
Unit: ug/L					Analytical Batch:		4E21003	
Surrogates (Continued):								
Toluene-d8				*94*	*85-113*			
4-Bromofluorobenzene				*92*	*82-110*			
Laboratory Control Sample					Analyzed:		05/20/2014	By: DLV
Unit: ug/L					Analytical Batch:		4E21003	
Benzene		40.0	**37.8**	95	84-119	--		1.0
Chlorobenzene		40.0	**39.6**	99	84-118	--		1.0
1,1-Dichloroethene		40.0	**37.7**	94	77-123	--		1.0
Toluene		40.0	**38.2**	95	85-118	--		1.0
Trichloroethene		40.0	**38.4**	96	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*95*	*85-118*			
1,2-Dichloroethane-d4				*92*	*87-122*			
Toluene-d8				*100*	*85-113*			
4-Bromofluorobenzene				*100*	*82-110*			
Matrix Spike 1405286-13 IW-24					Analyzed:		05/20/2014	By: DLV
Unit: ug/L					Analytical Batch:		4E21003	
Benzene	<5.0	200	**194**	97	80-129	--		5.0
Chlorobenzene	<5.0	200	**207**	103	80-121	--		5.0
1,1-Dichloroethene	1.90	200	**200**	99	74-134	--		5.0
Toluene	<5.0	200	**192**	96	79-129	--		5.0
Trichloroethene	429	200	**613**	92	75-127	--		5.0
Surrogates:								
Dibromofluoromethane				*97*	*85-118*			
1,2-Dichloroethane-d4				*94*	*87-122*			
Toluene-d8				*96*	*85-113*			
4-Bromofluorobenzene				*98*	*82-110*			
Matrix Spike Duplicate 1405286-13 IW-24					Analyzed:		05/20/2014	By: DLV
Unit: ug/L					Analytical Batch:		4E21003	
Benzene	<5.0	200	**191**	96	80-129	2	9	5.0

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1404765 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike Duplicate (Continued) 1405286-13 IW-24					Analyzed:		05/20/2014	By: DLV
Unit: ug/L					Analytical Batch:		4E21003	
Chlorobenzene	<5.0	200	**202**	101	80-121	2	8	5.0
1,1-Dichloroethene	1.90	200	**195**	96	74-134	3	11	5.0
Toluene	<5.0	200	**190**	95	79-129	1	9	5.0
Trichloroethene	429	200	**600**	85	75-127	2	10	5.0
Surrogates:								
Dibromofluoromethane				*98*	*85-118*			
1,2-Dichloroethane-d4				*96*	*87-122*			
Toluene-d8				*96*	*85-113*			
4-Bromofluorobenzene				*100*	*82-110*			

QC Batch: 1404793 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank			Analyzed:	05/21/2014	By: DLV
Unit: ug/L			Analytical Batch:	4E21029	
Acetone	<5.0		--	5.0	
Benzene	<1.0			1.0	
Bromodichloromethane	<0.25			0.25	
Carbon Disulfide	<5.0		--	5.0	
Carbon Tetrachloride	<1.0			1.0	
Chlorobenzene	<1.0			1.0	
2-Chloroethyl Vinyl Ether	<5.0			5.0	
Chloroform	<0.25			0.25	
Chloromethane	<1.0			1.0	
1,2-Dichlorobenzene	<1.0			1.0	
1,4-Dichlorobenzene	<1.0		--	1.0	
1,1-Dichloroethane	<1.0			1.0	
1,2-Dichloroethane	<1.0			1.0	
1,1-Dichloroethene	<1.0			1.0	
cis-1,2-Dichloroethene	<1.0			1.0	
trans-1,2-Dichloroethene	<1.0			1.0	
1,2-Dichloropropane	<1.0			1.0	
Ethylbenzene	<1.0		--	1.0	
2-Hexanone	<5.0			5.0	
Methylene Chloride	<1.0			1.0	

Continued on next page

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 1404793 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) — Analyzed: 05/21/2014 By: DLV
Unit: ug/L — Analytical Batch: 4E21029

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
2-Butanone (MEK)			<5.0					5.0
Styrene			<1.0					1.0
1,1,2,2-Tetrachloroethane			<0.50					0.50
Tetrachloroethene			<1.0					1.0
Toluene			<1.0					1.0
1,1,1-Trichloroethane			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Trichloroethene			<1.0					1.0
Vinyl Chloride			<1.0					1.0
Xylene (Total)			<3.0					3.0
Surrogates:								
Dibromofluoromethane				*98*	*85-118*			
1,2-Dichloroethane-d4				*95*	*87-122*			
Toluene-d8				*95*	*85-113*			
4-Bromofluorobenzene				*92*	*82-110*			

Laboratory Control Sample — Analyzed: 05/21/2014 By: DLV
Unit: ug/L — Analytical Batch: 4E21029

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Benzene		40.0	**36.7**	92	84-119	--		1.0
Chlorobenzene		40.0	**39.5**	99	84-118	--		1.0
1,1-Dichloroethene		40.0	**37.5**	94	77-123	--		1.0
Toluene		40.0	**37.2**	93	85-118	--		1.0
Trichloroethene		40.0	**37.9**	95	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*98*	*85-118*			
1,2-Dichloroethane-d4				*92*	*87-122*			
Toluene-d8				*100*	*85-113*			
4-Bromofluorobenzene				*100*	*82-110*			

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TRIMATRIX LABORATORIES

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Chain of Custody Record

COC No. 148222

Pg. 1 of 2

For Lab Use Only
Cart

VOA Rack/Tray: 336, 397R.
Receipt Log No.: 9-16
Project Chemist:
Work Order No.: 1405286

Client Name: R. DAVID MURSCH
Address: 104 RIVERCLIFF DR
City, State Zip: CONNELLY SPRINGS, NC 28612
Phone/Fax:
Email: davidmursch@earthlink.net

Project Name: PRR - GSI/MNA
Client Project No. / P.O. No.: 96-01
Invoice To: PRR ☐ Client ☑ Other (comments)
Contact/Report To: RDM

Analyses Requested: D 8260

Container Type (corresponds to Container Packing List): 1

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Sample Number		Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
06		D1	1	83-19A		5/13/14	1630		✓	W	2		
↓		D2	2	05-1L		5/14/14			✓				
07		D3	3	TRIP BLANK #3		—	—		✓	W	1		
06		D4	4	06-21/1			1305		✓	W	2		
		D5	5	06-21/2			1250		✓	W	2		
		D6	6	06-21/3			1240		✓	W	2		
		D7	7	06-21/4			1230		✓	W	2		
		D8	8	98-245A			1325		✓	W	2		
		D9	9	83-28A			1350		✓	W	2		
		D10	10	83-28B			1412		✓	W	2		

Sampled By (print): R. DAVID MURSCH
How Shipped? Hand ___ Carrier Fed EX
Tracking No.
Sampler's Signature:
Company:
Comments:

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
							5/16/14	0.50

WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TRIMATRIX LABORATORIES

5560 Corporate Exchange Court SE
Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
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Chain of Custody Record

COC No. 148225

Pg. 2 of 2

For Lab Use Only

Cart:

VOA Rack/Tray:

Receipt Log No.: 9-14

Project Chemist: GW

Work Order No.: 14D5286

Client Name: R. DAVID MURSCH

Address: 104 RIVERCLIFF DR

City, State Zip: CONNOLLY SPRINGS, NC 28012

Phone/Fax:

Email: davidmursch@earthlink.net

Project Name: PRR-GSI/MVA

Client Project No. / P.O. No.: 96-01

Invoice To: PRR ☐ Client ☒ Other (comments)

Contact/Report To: RDM

Analyses Requested: 8260D

Container Type (corresponds to Container Packing List): 1

PRESERVATIVES
A NONE pH-7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
06		11	1 83-21A		5-14-14	1440		✓	W	2		
		12	2 83-21B			1505		✓	W	2		
		13	3 IW-24			1525		✓	W	2		
		14	4 IW-20			1548		✓	W	2		
		15	5 IW-18			1605		✓	W	2		
		16	6 98-244A		5-15-14	0715		✓	W	2		
		17	7 97-213B			0740		✓	W	2		
		18	8 97-212B			0805		✓	W	2		
		19	9 05-16			0830		✓	W	2		
			10									

Sampled By (print): R. DAVID MURSCH

Sampler's Signature: R. Mursch

Company:

How Shipped? Hand ___ Carrier FEDEX

Tracking No.:

Comments:

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[illegible]	5/16/14	08[illegible]

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SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: RDM-Prairie Ronde Realty
Receipt Record Page/Line #: 9-16
Work Order #: 1405286
New / Add To
Project Chemist | Sample #s

Recorded by (initials/date): 25/16/14

☑ Cooler ☐ Box ☐ Other_____ | Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) ☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via
TM 3381	1156	☑ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / (Top) / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☑ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container

Cooler #	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1	5.2	–	5.2
2	5.7	–	5.7
3	5.1	–	5.1
Average °C			5.3
☐ Cooler ID on COC?			
☐ VOC Trip Blank received?			

Cooler #	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			
☐ Cooler ID on COC?			
☐ VOC Trip Blank received?			

Cooler #	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			
☐ Cooler ID on COC?			
☐ VOC Trip Blank received?			

Cooler #	Recorded °C	Correction Factor °C	Actual °C
Temp Blank:			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			
☐ Cooler ID on COC?			
☐ VOC Trip Blank received?			

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By _____
☑		Received for Lab Signed/Date/Time?
☑	☐	Shipping document?
☐	☑	Other _____

COC Information

☑ TriMatrix COC ☐ Other 148223, 148225

COC ID Numbers:

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐	☐	Was thermal preservation required?
☑		☐	If "No", Project Chemist Approval Intials: _____
☑		☐	If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☑		☐	Completed Sample Preservation Verification Form?
☑		☐	Samples chemically preserved correctly?
☑		☐	If "No", added orange tag?
		☑	Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check COC for Accuracy

Yes	No	
☑	☐	Analysis Requested?
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Sample Condition Summary

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
5/16/14 0830	5/16/14 1205	Yes / (No)

June 02, 2014

Prairie Ronde Realty Company
Attn: Mr. R. David Mursch
104 Rivercliff Drive
Connelly Springs, NC 28612

Project: NCP Dowagiac, MI

Dear Mr. R. David Mursch,

Enclosed is a copy of the laboratory report for the following work order(s) received by TriMatrix Laboratories:

Work Order	Received	Description
1405269	05/16/2014	PRR / GSI - MNA

This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) and/or one of the following certification programs:

ACLASS DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#88-0730/13-049-0); Florida DEP (#E87622-24); Georgia EPD (#E87622-24); Illinois DEP (#200026/003329); Kansas DPH (#E-10302); Kentucky DEP (#0021); Louisiana DEP (#103068); Michigan DPH (#0034); Minnesota DPH (#491715); New York ELAP (#11776/48855); North Carolina DNRE (#659); Texas CEQ (#T104704495-14-4); Virginia DCLS (#460153/2592); Wisconsin DNR (#999472650); USDA Soil Import Permit (#P330-12-00236).

Any qualification or narration of results, including sample acceptance requirements and test exceptions to the above referenced programs, is presented in the Statement of Data Qualifications and Project Technical Narrative sections of this report. Estimates of analytical uncertainties and certification documents for the test results contained within this report are available upon request.

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

Sincerely,

Gary L. Wood
Project Chemist

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PROJECT TECHNICAL NARRATIVE(s)

No Project Narrative is associated with this report.

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The corresponding CCV for this analytical batch had a recovery exceeding the upper control limit of the method. A positive result for this analyte in any associated samples are considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-8260B

Sample/Analyte:			
	1405269-11	06-20/4	Chloromethane
	1405269-24	06-19/3	Chloromethane
	1405269-25	98-218B	Chloromethane
	1405269-26	00-216A	Chloromethane
	1405269-27	05-14	Chloromethane
	1405269-28	02-03	Chloromethane
	1405269-29	02-04	Chloromethane
	1405269-30	83-19B	Chloromethane

Qualification: One or more surrogate recoveries for the sample were less than the lower control limit but greater than or equal to 10%. All results and reporting limits are considered estimated.

Analysis: USEPA-8260B

Sample: 1405269-12 02-02

Qualification: The chemical utilized to preserve this sample has the potential to degrade 2-chloroethyl vinyl ether through polymerization or other rapid chemical reaction. The reporting limit and/or any positive result must be considered estimated.

Analysis: USEPA-8260B

Sample:		
	1405269-01	83-24A
	1405269-02	83-24B
	1405269-03	Trip Blank TM2568
	1405269-04	83-17A
	1405269-05	83-17B
	1405269-06	83-23A
	1405269-07	83-23B
	1405269-08	06-20/1
	1405269-09	06-20/2
	1405269-10	06-20/3
	1405269-11	06-20/4
	1405269-12	02-02
	1405269-13	05-15
	1405269-14	IW-14
	1405269-15	06-17/1
	1405269-16	06-17/2
	1405269-17	96-202B
	1405269-18	IW-11
	1405269-19	98-221A
	1405269-20	13-224A
	1405269-21	98-224B
	1405269-22	06-19/1

Continued on next page

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B (Continued)

Qualification: The chemical utilized to preserve this sample has the potential to degrade 2-chloroethyl vinyl ether through polymerization or other rapid chemical reaction. The reporting limit and/or any positive result must be considered estimated.

Analysis: USEPA-8260B

Sample:	1405269-23	06-19/2
	1405269-24	06-19/3
	1405269-25	98-218B
	1405269-26	00-216A
	1405269-27	05-14
	1405269-28	02-03
	1405269-29	02-04
	1405269-30	83-19B

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-24A**	Sampled:	5/12/14 13:50		
Lab Sample ID:	**1405269-01**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/20/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 7:17	By:	LEW
QC Batch:	1404822	Analytical Batch:	4E22012		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**3.7**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**27**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

Continued on next page

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-24A**	Sampled:	5/12/14 13:50		
Lab Sample ID:	**1405269-01**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/20/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 7:17	By:	LEW
QC Batch:	1404822	Analytical Batch:	4E22012		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*105*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-24B**	Sampled:	5/12/14 14:10		
Lab Sample ID:	**1405269-02**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/20/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 7:47	By:	LEW
QC Batch:	1404822	Analytical Batch:	4E22012		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**20**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**4.0**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-24B**	Sampled:	5/12/14 14:10		
Lab Sample ID:	**1405269-02**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/20/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 7:47	By:	LEW
QC Batch:	1404822	Analytical Batch:	4E22012		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*106*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*104*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**Trip Blank TM2568**	Sampled:	5/12/14 14:15		
Lab Sample ID:	**1405269-03**	Sampled By:	TML		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/20/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 8:17	By:	LEW
QC Batch:	1404822	Analytical Batch:	4E22012		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**Trip Blank TM2568**	Sampled:	5/12/14 14:15		
Lab Sample ID:	**1405269-03**	Sampled By:	TML		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/20/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 8:17	By:	LEW
QC Batch:	1404822	Analytical Batch:	4E22012		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*106*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-17A**	Sampled:	5/12/14 14:45		
Lab Sample ID:	**1405269-04**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/20/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 8:47	By:	LEW
QC Batch:	1404822	Analytical Batch:	4E22012		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-17A**	Sampled:	5/12/14 14:45		
Lab Sample ID:	**1405269-04**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/20/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 8:47	By:	LEW
QC Batch:	1404822	Analytical Batch:	4E22012		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*105*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-17B**	Sampled:	5/12/14 15:05		
Lab Sample ID:	**1405269-05**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/20/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 9:16	By:	LEW
QC Batch:	1404822	Analytical Batch:	4E22012		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**35**	1.0
156-60-5	trans-1,2-Dichloroethene	**1.6**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**43**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-17B**	Sampled:	5/12/14 15:05		
Lab Sample ID:	**1405269-05**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/20/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 9:16	By:	LEW
QC Batch:	1404822	Analytical Batch:	4E22012		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*105*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-23A**	Sampled:	5/12/14 16:00		
Lab Sample ID:	**1405269-06**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 15:49	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**1.0**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-23A**	Sampled:	5/12/14 16:00		
Lab Sample ID:	**1405269-06**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 15:49	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-23B**	Sampled:	5/12/14 15:30		
Lab Sample ID:	**1405269-07**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/21/14 16:19	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<10	10
71-43-2	Benzene	<2.0	2.0
75-27-4	Bromodichloromethane	<0.50	0.50
75-15-0	Carbon Disulfide	<10	10
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
110-75-8	2-Chloroethyl Vinyl Ether	<10	10
67-66-3	Chloroform	<0.50	0.50
74-87-3	Chloromethane	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-34-3	1,1-Dichloroethane	**5.3**	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	**27**	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0
78-87-5	1,2-Dichloropropane	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
591-78-6	2-Hexanone	<10	10
75-09-2	Methylene Chloride	<2.0	2.0
78-93-3	2-Butanone (MEK)	<10	10
100-42-5	Styrene	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<2.0	2.0
108-88-3	Toluene	<2.0	2.0
71-55-6	1,1,1-Trichloroethane	**7.7**	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	**280**	2.0
75-01-4	Vinyl Chloride	<2.0	2.0
1330-20-7	Xylene (Total)	<6.0	6.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-23B**	Sampled:	5/12/14 15:30		
Lab Sample ID:	**1405269-07**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/21/14 16:19	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*99*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*105*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-20/1**	Sampled:	5/12/14 16:15		
Lab Sample ID:	**1405269-08**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 16:48	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-20/1**	Sampled:	5/12/14 16:15		
Lab Sample ID:	**1405269-08**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 16:48	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*99*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-20/2**	Sampled:	5/12/14 16:30		
Lab Sample ID:	**1405269-09**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 17:18	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-20/2**	Sampled:	5/12/14 16:30		
Lab Sample ID:	**1405269-09**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 17:18	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-20/3**	Sampled:	5/12/14 16:45		
Lab Sample ID:	**1405269-10**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 17:48	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**37**	1.0
156-60-5	trans-1,2-Dichloroethene	**1.3**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**110**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-20/3**	Sampled:	5/12/14 16:45		
Lab Sample ID:	**1405269-10**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 17:48	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*101*	*85-118*
1,2-Dichloroethane-d4	*93*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-20/4**	Sampled:	5/12/14 16:55		
Lab Sample ID:	**1405269-11**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/22/14 8:42	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<10	10
71-43-2	Benzene	<2.0	2.0
75-27-4	Bromodichloromethane	<0.50	0.50
75-15-0	Carbon Disulfide	<10	10
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
110-75-8	2-Chloroethyl Vinyl Ether	<10	10
67-66-3	Chloroform	<0.50	0.50
*74-87-3	Chloromethane	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-34-3	1,1-Dichloroethane	<2.0	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	**170**	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0
78-87-5	1,2-Dichloropropane	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
591-78-6	2-Hexanone	<10	10
75-09-2	Methylene Chloride	<2.0	2.0
78-93-3	2-Butanone (MEK)	<10	10
100-42-5	Styrene	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<2.0	2.0
108-88-3	Toluene	<2.0	2.0
71-55-6	1,1,1-Trichloroethane	<2.0	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	<2.0	2.0
75-01-4	Vinyl Chloride	**3.8**	2.0
1330-20-7	Xylene (Total)	<6.0	6.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-20/4**	Sampled:	5/12/14 16:55		
Lab Sample ID:	**1405269-11**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/22/14 8:42	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*99*	*85-118*
1,2-Dichloroethane-d4	*89*	*87-122*
Toluene-d8	*103*	*85-113*
4-Bromofluorobenzene	*108*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**02-02**	Sampled:	5/12/14 17:40		
Lab Sample ID:	**1405269-12**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/21/14 18:47	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<10	10
71-43-2	Benzene	<2.0	2.0
75-27-4	Bromodichloromethane	<0.50	0.50
75-15-0	Carbon Disulfide	<10	10
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
110-75-8	2-Chloroethyl Vinyl Ether	<10	10
67-66-3	Chloroform	<0.50	0.50
74-87-3	Chloromethane	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-34-3	1,1-Dichloroethane	<2.0	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	**2.1**	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0
78-87-5	1,2-Dichloropropane	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
591-78-6	2-Hexanone	<10	10
75-09-2	Methylene Chloride	<2.0	2.0
78-93-3	2-Butanone (MEK)	<10	10
100-42-5	Styrene	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<2.0	2.0
108-88-3	Toluene	<2.0	2.0
71-55-6	1,1,1-Trichloroethane	**5.2**	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	**230**	2.0
75-01-4	Vinyl Chloride	**20**	2.0
1330-20-7	Xylene (Total)	<6.0	6.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**02-02**	Sampled:	5/12/14 17:40		
Lab Sample ID:	**1405269-12**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/21/14 18:47	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*95*	*85-118*
1,2-Dichloroethane-d4	***84***	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*105*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**05-15**	Sampled:	5/12/14 18:03		
Lab Sample ID:	**1405269-13**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 19:16	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	**0.87**	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**3.1**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

Continued on next page

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**05-15**	Sampled:	5/12/14 18:03		
Lab Sample ID:	**1405269-13**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 19:16	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*95*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**IW-14**	Sampled:	5/12/14 18:35		
Lab Sample ID:	**1405269-14**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 19:46	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	**5.3**	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	**1.7**	1.0
156-59-2	cis-1,2-Dichloroethene	**5.9**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	**2.0**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**4.0**	1.0
75-01-4	Vinyl Chloride	**35**	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**IW-14**	Sampled:	5/12/14 18:35		
Lab Sample ID:	**1405269-14**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 19:46	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-17/1**	Sampled:	5/12/14 19:00		
Lab Sample ID:	**1405269-15**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 20:16	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**6.0**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	**1.0**	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	**4.2**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**93**	1.0
75-01-4	Vinyl Chloride	**3.3**	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-17/1**	Sampled:	5/12/14 19:00		
Lab Sample ID:	**1405269-15**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 20:16	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-17/2**	Sampled:	5/12/14 19:15		
Lab Sample ID:	**1405269-16**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 20:46	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	**1.5**	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	**1.1**	1.0
156-59-2	cis-1,2-Dichloroethene	**24**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	**20**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**160**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-17/2**	Sampled:	5/12/14 19:15		
Lab Sample ID:	**1405269-16**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 20:46	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*104*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**96-202B**	Sampled:	5/12/14 19:35		
Lab Sample ID:	**1405269-17**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 21:16	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	**3.5**	1.0
156-59-2	cis-1,2-Dichloroethene	**100**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**1.9**	1.0
75-01-4	Vinyl Chloride	**5.2**	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**96-202B**	Sampled:	5/12/14 19:35		
Lab Sample ID:	**1405269-17**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 21:16	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*107*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*96*	*85-113*
4-Bromofluorobenzene	*108*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**IW-11**	Sampled:	5/12/14 20:00		
Lab Sample ID:	**1405269-18**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/23/14 8:00	By:	BAG
Dilution Factor:	2.5	Analyzed:	5/23/14 19:26	By:	BAG
QC Batch:	1404952	Analytical Batch:	4E27021		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<12	12
71-43-2	Benzene	<2.5	2.5
75-27-4	Bromodichloromethane	<0.62	0.62
75-15-0	Carbon Disulfide	<12	12
56-23-5	Carbon Tetrachloride	<2.5	2.5
108-90-7	Chlorobenzene	<2.5	2.5
110-75-8	2-Chloroethyl Vinyl Ether	<12	12
67-66-3	Chloroform	<0.62	0.62
74-87-3	Chloromethane	<2.5	2.5
95-50-1	1,2-Dichlorobenzene	<2.5	2.5
106-46-7	1,4-Dichlorobenzene	<2.5	2.5
75-34-3	1,1-Dichloroethane	<2.5	2.5
107-06-2	1,2-Dichloroethane	<2.5	2.5
75-35-4	1,1-Dichloroethene	<2.5	2.5
156-59-2	cis-1,2-Dichloroethene	**420**	2.5
156-60-5	trans-1,2-Dichloroethene	**12**	2.5
78-87-5	1,2-Dichloropropane	<2.5	2.5
100-41-4	Ethylbenzene	<2.5	2.5
591-78-6	2-Hexanone	<12	12
75-09-2	Methylene Chloride	<2.5	2.5
78-93-3	2-Butanone (MEK)	<12	12
100-42-5	Styrene	<2.5	2.5
79-34-5	1,1,2,2-Tetrachloroethane	<1.2	1.2
127-18-4	Tetrachloroethene	<2.5	2.5
108-88-3	Toluene	<2.5	2.5
71-55-6	1,1,1-Trichloroethane	**3.2**	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	**280**	2.5
75-01-4	Vinyl Chloride	<2.5	2.5
1330-20-7	Xylene (Total)	<7.5	7.5

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**IW-11**	Sampled:	5/12/14 20:00		
Lab Sample ID:	**1405269-18**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/23/14 8:00	By:	BAG
Dilution Factor:	2.5	Analyzed:	5/23/14 19:26	By:	BAG
QC Batch:	1404952	Analytical Batch:	4E27021		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*106*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*100*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**98-221A**	Sampled:	5/13/14 9:30		
Lab Sample ID:	**1405269-19**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 22:17	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**1.9**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**5.7**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**98-221A**	Sampled:	5/13/14 9:30		
Lab Sample ID:	**1405269-19**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 22:17	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*105*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**13-224A**	Sampled:	5/13/14 11:45		
Lab Sample ID:	**1405269-20**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 22:47	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**31**	1.0
156-60-5	trans-1,2-Dichloroethene	**1.8**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**25**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**13-224A**	Sampled:	5/13/14 11:45		
Lab Sample ID:	**1405269-20**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 22:47	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**98-224B**	Sampled:	5/13/14 12:00		
Lab Sample ID:	**1405269-21**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 23:16	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**8.9**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**89**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**98-224B**	Sampled:	5/13/14 12:00		
Lab Sample ID:	**1405269-21**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 23:16	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*97*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-19/1**	Sampled:	5/13/14 13:45		
Lab Sample ID:	**1405269-22**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 23:46	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**1.2**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**1.5**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-19/1**	Sampled:	5/13/14 13:45		
Lab Sample ID:	**1405269-22**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/21/14 23:46	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-19/2**	Sampled:	5/13/14 13:25		
Lab Sample ID:	**1405269-23**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 0:16	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**12**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**120**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-19/2**	Sampled:	5/13/14 13:25		
Lab Sample ID:	**1405269-23**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 0:16	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*104*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-19/3**	Sampled:	5/13/14 13:10		
Lab Sample ID:	**1405269-24**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 3:45	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
*74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**55**	1.0
156-60-5	trans-1,2-Dichloroethene	**3.4**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**110**	1.0
75-01-4	Vinyl Chloride	**1.9**	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**06-19/3**	Sampled:	5/13/14 13:10		
Lab Sample ID:	**1405269-24**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 3:45	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*96*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*105*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**98-218B**	Sampled:	5/13/14 14:10		
Lab Sample ID:	**1405269-25**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 4:14	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
*74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**33**	1.0
156-60-5	trans-1,2-Dichloroethene	**6.9**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**45**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**98-218B**	Sampled:	5/13/14 14:10		
Lab Sample ID:	**1405269-25**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 4:14	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*96*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**00-216A**	Sampled:	5/13/14 14:30		
Lab Sample ID:	**1405269-26**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 4:44	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
*74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**8.7**	1.0
156-60-5	trans-1,2-Dichloroethene	**1.8**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**38**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**00-216A**	Sampled:	5/13/14 14:30		
Lab Sample ID:	**1405269-26**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 4:44	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*99*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**05-14**	Sampled:	5/13/14 15:00		
Lab Sample ID:	**1405269-27**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 5:14	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
*74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**18**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	**1.3**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**97**	1.0
75-01-4	Vinyl Chloride	**5.9**	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**05-14**	Sampled:	5/13/14 15:00		
Lab Sample ID:	**1405269-27**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 5:14	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*95*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*105*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**02-03**	Sampled:	5/13/14 15:20		
Lab Sample ID:	**1405269-28**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 5:44	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
*74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**1.6**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**02-03**	Sampled:	5/13/14 15:20		
Lab Sample ID:	**1405269-28**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 5:44	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*95*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*104*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**02-04**	Sampled:	5/13/14 15:40		
Lab Sample ID:	**1405269-29**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 6:13	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
*74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**26**	1.0
156-60-5	trans-1,2-Dichloroethene	**4.7**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**130**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**02-04**	Sampled:	5/13/14 15:40		
Lab Sample ID:	**1405269-29**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/22/14 6:13	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*95*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*105*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-19B**	Sampled:	5/13/14 16:08		
Lab Sample ID:	**1405269-30**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/23/14 8:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/23/14 19:53	By:	BAG
QC Batch:	1404952	Analytical Batch:	4E27021		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
*74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**33**	1.0
156-60-5	trans-1,2-Dichloroethene	**1.7**	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	**1.2**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**130**	1.0
75-01-4	Vinyl Chloride	**13**	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

Continued on next page

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405269**		
Project:	NCP Dowagiac, MI	Description:	PRR / GSI - MNA		
Client Sample ID:	**83-19B**	Sampled:	5/13/14 16:08		
Lab Sample ID:	**1405269-30**	Sampled By:	RDM		
Matrix:	Water	Received:	5/16/14 8:20		
Unit:	ug/L	Prepared:	5/23/14 8:00	By:	BAG
Dilution Factor:	1	Analyzed:	5/23/14 19:53	By:	BAG
QC Batch:	1404952	Analytical Batch:	4E27021		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*100*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404822 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/21/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22012

Acetone	<5.0				5.0
Benzene	<1.0				1.0
Bromodichloromethane	<0.25				0.25
Carbon Disulfide	<5.0			--	5.0
Carbon Tetrachloride	<1.0				1.0
Chlorobenzene	<1.0				1.0
2-Chloroethyl Vinyl Ether	<5.0				5.0
Chloroform	<0.25				0.25
Chloromethane	<1.0				1.0
1,2-Dichlorobenzene	<1.0			--	1.0
1,4-Dichlorobenzene	<1.0			--	1.0
1,1-Dichloroethane	<1.0				1.0
1,2-Dichloroethane	<1.0				1.0
1,1-Dichloroethene	<1.0				1.0
cis-1,2-Dichloroethene	<1.0				1.0
trans-1,2-Dichloroethene	<1.0				1.0
1,2-Dichloropropane	<1.0				1.0
Ethylbenzene	<1.0				1.0
2-Hexanone	<5.0				5.0
Methylene Chloride	<1.0				1.0
2-Butanone (MEK)	<5.0				5.0
Styrene	<1.0				1.0
1,1,2,2-Tetrachloroethane	<0.50				0.50
Tetrachloroethene	<1.0				1.0
Toluene	<1.0				1.0
1,1,1-Trichloroethane	<1.0				1.0
1,1,2-Trichloroethane	<1.0				1.0
Trichloroethene	<1.0				1.0
Vinyl Chloride	<1.0				1.0
Xylene (Total)	<3.0				3.0
Surrogates:					
Dibromofluoromethane			*103*	*85-118*	
1,2-Dichloroethane-d4			*104*	*87-122*	

Continued on next page

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404822 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/21/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22012

Surrogates (Continued):							
Toluene-d8				*97*	*85-113*		
4-Bromofluorobenzene				*102*	*82-110*		

Laboratory Control Sample Analyzed: 05/21/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22012

Benzene		40.0	**39.7**	99	84-119	--	1.0
Chlorobenzene		40.0	**41.0**	102	84-118	--	1.0
1,1-Dichloroethene		40.0	**37.9**	95	77-123	--	1.0
Toluene		40.0	**40.2**	100	85-118	--	1.0
Trichloroethene		40.0	**40.6**	101	82-119	--	1.0
Surrogates:							
Dibromofluoromethane				*98*	*85-118*		
1,2-Dichloroethane-d4				*99*	*87-122*		
Toluene-d8				*100*	*85-113*		
4-Bromofluorobenzene				*98*	*82-110*		

QC Batch: 1404824 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/21/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22014

Acetone			<5.0				5.0
Benzene			<1.0				1.0
Bromodichloromethane			<0.25				0.25
Carbon Disulfide			<5.0			--	5.0
Carbon Tetrachloride			<1.0				1.0
Chlorobenzene			<1.0				1.0
2-Chloroethyl Vinyl Ether			<5.0				5.0
Chloroform			<0.25				0.25
Chloromethane			<1.0				1.0
1,2-Dichlorobenzene			<1.0			--	1.0
1,4-Dichlorobenzene			<1.0			--	1.0
1,1-Dichloroethane			<1.0				1.0
1,2-Dichloroethane			<1.0				1.0

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Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 1404824 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) — Analyzed: 05/21/2014 By: LEW
Unit: ug/L — Analytical Batch: 4E22014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
1,1-Dichloroethene			<1.0					1.0
cis-1,2-Dichloroethene			<1.0					1.0
trans-1,2-Dichloroethene			<1.0					1.0
1,2-Dichloropropane			<1.0					1.0
Ethylbenzene			<1.0					1.0
2-Hexanone			<5.0					5.0
Methylene Chloride			<1.0			--		1.0
2-Butanone (MEK)			<5.0					5.0
Styrene			<1.0					1.0
1,1,2,2-Tetrachloroethane			<0.50					0.50
Tetrachloroethene			<1.0					1.0
Toluene			<1.0					1.0
1,1,1-Trichloroethane			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Trichloroethene			<1.0					1.0
Vinyl Chloride			<1.0					1.0
Xylene (Total)			<3.0					3.0
Surrogates:								
Dibromofluoromethane				*105*	*85-118*			
1,2-Dichloroethane-d4				*99*	*87-122*			
Toluene-d8				*101*	*85-113*			
4-Bromofluorobenzene				*101*	*82-110*			

Laboratory Control Sample — Analyzed: 05/21/2014 By: LEW
Unit: ug/L — Analytical Batch: 4E22014

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Benzene		40.0	**39.8**	100	84-119	--		1.0
Chlorobenzene		40.0	**40.9**	102	84-118	--		1.0
1,1-Dichloroethene		40.0	**38.9**	97	77-123	--		1.0
Toluene		40.0	**40.1**	100	85-118	--		1.0
Trichloroethene		40.0	**39.6**	99	82-119	--		1.0

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404824 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 05/21/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22014

Surrogates:		
Dibromofluoromethane	*98*	*85-118*
1,2-Dichloroethane-d4	*98*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*98*	*82-110*

QC Batch: 1404825 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/22/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22015

Acetone	<5.0			5.0
Benzene	<1.0			1.0
Bromodichloromethane	<0.25			0.25
Carbon Disulfide	<5.0		--	5.0
Carbon Tetrachloride	<1.0			1.0
Chlorobenzene	<1.0			1.0
2-Chloroethyl Vinyl Ether	<5.0			5.0
Chloroform	<0.25			0.25
Chloromethane	<1.0			1.0
1,2-Dichlorobenzene	<1.0		--	1.0
1,4-Dichlorobenzene	<1.0		--	1.0
1,1-Dichloroethane	<1.0			1.0
1,2-Dichloroethane	<1.0			1.0
1,1-Dichloroethene	<1.0			1.0
cis-1,2-Dichloroethene	<1.0			1.0
trans-1,2-Dichloroethene	<1.0			1.0
1,2-Dichloropropane	<1.0			1.0
Ethylbenzene	<1.0			1.0
2-Hexanone	<5.0			5.0
Methylene Chloride	<1.0		--	1.0
2-Butanone (MEK)	<5.0			5.0
Styrene	<1.0			1.0
1,1,2,2-Tetrachloroethane	<0.50			0.50
Tetrachloroethene	<1.0			1.0
Toluene	<1.0			1.0
1,1,1-Trichloroethane	<1.0			1.0
1,1,2-Trichloroethane	<1.0			1.0

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404825 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/22/2014 By: LEW
Unit: ug/L Analytical Batch: 4E22015

Trichloroethene			<1.0				1.0
Vinyl Chloride			<1.0				1.0
Xylene (Total)			<3.0				3.0
Surrogates:							
Dibromofluoromethane				*103*	*85-118*		
1,2-Dichloroethane-d4				*98*	*87-122*		
Toluene-d8				*100*	*85-113*		
4-Bromofluorobenzene				*103*	*82-110*		

Laboratory Control Sample Analyzed: 05/22/2014 By: LEW
Unit: ug/L Analytical Batch: 4E22015

Benzene		40.0	**43.3**	108	84-119	--	1.0
Chlorobenzene		40.0	**43.1**	108	84-118	--	1.0
1,1-Dichloroethene		40.0	**42.4**	106	77-123	--	1.0
Toluene		40.0	**43.1**	108	85-118	--	1.0
Trichloroethene		40.0	**46.7**	117	82-119	--	1.0
Surrogates:							
Dibromofluoromethane				*93*	*85-118*		
1,2-Dichloroethane-d4				*87*	*87-122*		
Toluene-d8				*100*	*85-113*		
4-Bromofluorobenzene				*100*	*82-110*		

QC Batch: 1404952 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/23/2014 By: BAG
Unit: ug/L Analytical Batch: 4E27021

Acetone			<5.0			--	5.0
Benzene			<1.0				1.0
Bromodichloromethane			<0.25				0.25
Carbon Disulfide			<5.0			--	5.0
Carbon Tetrachloride			<1.0				1.0

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Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 1404952 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) — Analyzed: 05/23/2014 By: BAG
Unit: ug/L — Analytical Batch: 4E27021

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Chlorobenzene			<1.0			--		1.0
2-Chloroethyl Vinyl Ether			<5.0					5.0
Chloroform			<0.25					0.25
Chloromethane			<1.0					1.0
1,2-Dichlorobenzene			<1.0			--		1.0
1,4-Dichlorobenzene			<1.0			--		1.0
1,1-Dichloroethane			<1.0					1.0
1,2-Dichloroethane			<1.0					1.0
1,1-Dichloroethene			<1.0					1.0
cis-1,2-Dichloroethene			<1.0					1.0
trans-1,2-Dichloroethene			<1.0					1.0
1,2-Dichloropropane			<1.0					1.0
Ethylbenzene			<1.0			--		1.0
2-Hexanone			<5.0					5.0
Methylene Chloride			<1.0			--		1.0
2-Butanone (MEK)			<5.0					5.0
Styrene			<1.0			--		1.0
1,1,2,2-Tetrachloroethane			<0.50					0.50
Tetrachloroethene			<1.0					1.0
Toluene			<1.0			--		1.0
1,1,1-Trichloroethane			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Trichloroethene			<1.0					1.0
Vinyl Chloride			<1.0					1.0
Xylene (Total)			<3.0			--		3.0
Surrogates:								
Dibromofluoromethane				*101*	*85-118*			
1,2-Dichloroethane-d4				*101*	*87-122*			
Toluene-d8				*98*	*85-113*			
4-Bromofluorobenzene				*99*	*82-110*			

Laboratory Control Sample — Analyzed: 05/23/2014 By: BAG
Unit: ug/L — Analytical Batch: 4E27021

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Benzene		40.0	**39.4**	99	84-119	--		1.0

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 1404952 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 05/23/2014 By: BAG

Unit: ug/L Analytical Batch: 4E27021

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Chlorobenzene		40.0	**38.9**	97	84-118	--		1.0
1,1-Dichloroethene		40.0	**38.7**	97	77-123	--		1.0
Toluene		40.0	**39.7**	99	85-118	--		1.0
Trichloroethene		40.0	**40.7**	102	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*101*	*85-118*			
1,2-Dichloroethane-d4				*99*	*87-122*			
Toluene-d8				*101*	*85-113*			
4-Bromofluorobenzene				*100*	*82-110*			

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Chain of Custody Record

COC No. 148218

Pg. 1 of 3

For Lab Use Only
Cart
VOA Rack/Tray: Box
Receipt Log No.: 8-25
Project Chemist
Work Order No.: 1405269

Client Name: R. David Mursch
Address: 104 Rivercliff Dr
City, State Zip: Connelly Springs, NC 28612
Phone/Fax: d
Email: davidmursch@earthlink.net

Project Name: PRR / GSI-MNA
Client Project No. / P.O. No.: 96-01
Invoice To: ☐ Client ☒ Other (comments) PRR
Contact/Report To: RDM

Analyses Requested: D, 8260

Container Type (corresponds to Container Packing List): 1

PRESERVATIVES
A NONE pH-7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
		01	1 83-24A		5-12-14	1350		✓	W	2		
		02	2 83-24B			1410		✓	W	2		
		03	3 Trip Blank #1			1415			W	1		
		04	4 83-17A			1445		✓	W	2		
		05	5 83-17B			1505		✓	W	2		
		06	6 83-23A			1600		✓	W	2		
		07	7 83-23B			1530		✓	W	2		
		08	8 06-20/1			1615		✓	W	2		
		09	9 06-20/2			1630		✓	W	2		
		10	10 06-20/3			1645		✓	W	2		

Sampled By (print): R. David Mursch
Sampler's Signature: R. David Mursch
Company:

How Shipped? Hand ___ Carrier Fed Ex
Tracking No.

Comments:

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[illegible]	5/15/14	0[illegible]

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Chain of Custody Record

COC No. 148219

Pg. 2 of 3

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Cart
VOA Rack/Tray: BOX
Receipt Log No.: 8-25
Project Chemist
Work Order No.: 1405269

Client Name: R. DAVID MURSCH
Address: 104 RIVERCLIFF DR
City, State Zip: LOWELLY SPRINGS NC 28612
Phone/Fax
Email: davidmursch@earthlinknet

Project Name: PRR-651/MNA
Client Project No. / P.O. No.: 96-01
Invoice To: ☐ Client PRR ☒ Other (comments)
Contact/Report To

Analyses Requested

Container Type (corresponds to Container Packing List): 8260

Number of Containers Submitted

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Sample Number		Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	8260	Total	Sample Comments
		11	1	06-20/4		5/12/14	1655	✓		W	2		
		12	2	02-02			1740	✓		W	2		
		13	3	05-15			1803	✓		W	2		
		14	4	IW-14			1835	✓		W	2		
		15	5	06-17/1			1900	✓		W	2		
		16	6	06-17/2			1915	✓		W	2		
	17	~~17~~	7	96-202B			1935	✓		W	2		
		18	8	IW-11			2000	✓		W	2		
		19	9	98-221A		5-13-14	0930	✓		W	2		
		20	10	13-224A			1145	✓		W	2		

Sampled By (print): R. DAVID MURSCH
Sampler's Signature: [signature]
Company

How Shipped? Hand ___ Carrier FedEx
Tracking No.

Comments: 1200

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[signature]	5/15/14	0[illegible]

WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

TRIMATRIX LABORATORIES

5560 Corporate Exchange Court SE
Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 148221

Pg. 3 of 3

For Lab Use Only
Cart

VOA Rack/Tray: Box
Receipt Log No.: 8-25
Project Chemist
Work Order No.: 1405269

Client Name: R. David Mursch
Address: 104 Rivercliff Dr
City, State Zip: Connelly Springs, NC 28612
Phone/Fax
Email: davidmursch@earthlink.net

Project Name: PRR-651/MNA
Client Project No. / P.O. No.: 96-01
Invoice To: PRR ☐ Client ☒ Other (comments)
Contact/Report To: RDM

Analyses Requested: 8260 D

Container Type (corresponds to Container Packing List): 1

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
		21	1 98-224B		5-13-14	1200			VW	2		
		22	2 06-19/1			1345 ~~1310~~			VW	2		
		23	3 06-19/2			1325			VW	2		
		24	4 06-19/3			1310			VW	2		
		25	5 98-218B			1410			VW	2		
		26	6 00-216A			1430			VW	2		
		27	7 05-14			1500			VW	2		
		28	8 02-03			1520			VW	2		
		29	9 02-04			1540			VW	2		
		30	10 83-19B			1008			VW	2		

Sampled By (print): R. David Mursch
Sampler's Signature: [signature]
Company

How Shipped? Hand ___ Carrier Fed Ex
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[signature]	5/15/14	08[illegible]

WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: RDM - Prairie Ronde
Receipt Record Page/Line #: 8-25
Work Order #: 1405269
New / Add To
Project Chemist | Sample #s

Recorded by (initials/date): Jn 5/15/14

☑ Cooler ☐ Box ☐ Other_____ | Qty Received: 1

Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____) ☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C	Cooler ID on COC?	VOC Trip Blank received?
TM2568	1536	☑ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☑ Temperature Blank (TB) ☐ 1 Container	Temp Blank: —		3.9		
						TB location: Representative / Not Representative				
						1 4.9	—	4.9		
						2 5.0	—	5.0		
						3 5.2	—	5.2		
							Average °C	5.0		

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C	Cooler ID on COC?	VOC Trip Blank received?
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container	Temp Blank:				
						TB location: Representative / Not Representative				
						1				
						2				
						3				
							Average °C			

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C	Cooler ID on COC?	VOC Trip Blank received?
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container	Temp Blank:				
						TB location: Representative / Not Representative				
						1				
						2				
						3				
							Average °C			

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via	Recorded °C	Correction Factor °C	Actual °C	Cooler ID on COC?	VOC Trip Blank received?
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container	Temp Blank:				
						TB location: Representative / Not Representative				
						1				
						2				
						3				
							Average °C			

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☑	☐	Chain of Custody record(s)? If No, Initiated By _____
☑		Received for Lab Signed/Date/Time?
☑	☐	Shipping document?
☐	☑	Other _____

COC Information

☑ TriMatrix COC ☐ Other_____

COC ID Numbers:

Check COC for Accuracy

Yes	No	
☑	☐	Analysis Requested?
☑	☐	Sample ID matches COC?
☑	☐	Sample Date and Time matches COC?
☑		Container type completed on COC?
☑	☐	All container types indicated are received?

Check Sample Preservation

N/A	Yes	No	
	☑	☐	Average sample temperature ≤6° C?
☑	☐	☐	Was thermal preservation required?
☑	☐		If "No", Project Chemist Approval Intials:_____
☑	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☑	☐		Completed Sample Preservation Verification Form?
☑	☐	☐	Samples chemically preserved correctly?
☑	☐		If "No", added orange tag?
	☐	☑	Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

☐ Bacteriological
☐ Air Bags
☐ EnCores / Methanol Pre-Preserved
☐ Formaldehyde/Aldehyde
☐ Green-tagged containers
☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☑ NONE RECEIVED
☐ RECEIVED, COCs TO LAB(S)

Sample Condition Summary

N/A	Yes	No	
	☐	☑	Broken containers/lids?
	☐	☑	Missing or incomplete labels?
	☐	☑	Illegible information on labels?
	☐	☑	Low volume received?
	☐	☑	Inappropriate or non-TriMatrix containers received?
☐	☐	☑	VOC vials / TOX containers have headspace?
☐	☐	☑	Extra sample locations / containers not listed on COC?

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
05/15/14 0820	5/15/14 1557	Yes / No

June 02, 2014

Prairie Ronde Realty Company
Attn: Mr. R. David Mursch
104 Rivercliff Drive
Connelly Springs, NC 28612

Project: NCP Dowagiac, MI

Dear Mr. R. David Mursch,

Enclosed is a copy of the laboratory report for the following work order(s) received by TriMatrix Laboratories:

Work Order	**Received**	**Description**
1405250	05/15/2014	PRR - OSR/ABC

This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) and/or one of the following certification programs:

ACLASS DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#88-0730/13-049-0); Florida DEP (#E87622-24); Georgia EPD (#E87622-24); Illinois DEP (#200026/003329); Kansas DPH (#E-10302); Kentucky DEP (#0021); Louisiana DEP (#103068); Michigan DPH (#0034); Minnesota DPH (#491715); New York ELAP (#11776/48855); North Carolina DNRE (#659); Texas CEQ (#T104704495-14-4); Virginia DCLS (#460153/2592); Wisconsin DNR (#999472650); USDA Soil Import Permit (#P330-12-00236).

Any qualification or narration of results, including sample acceptance requirements and test exceptions to the above referenced programs, is presented in the Statement of Data Qualifications and Project Technical Narrative sections of this report. Estimates of analytical uncertainties and certification documents for the test results contained within this report are available upon request.

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

Sincerely,

Gary L. Wood
Project Chemist

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PROJECT TECHNICAL NARRATIVE(s)

Dissolved Gases in Water by RSK-175 Headspace Analysis

Narrative: Due to sample volumes, batch matrix quality control (QC) was not performed for this analysis. A Method Blank and Laboratory Control Sample comprise the batch QC.

Analysis: RSK-175

Sample/Analyte:

1405250-01	98-215A
1405250-01	98-215A
1405250-01	98-215A
1405250-02	TW-2
1405250-02	TW-2
1405250-02	TW-2
1405250-03	TW-3
1405250-03	TW-3
1405250-03	TW-3
1405250-04	TW-4
1405250-04	TW-4
1405250-04	TW-4
1405250-05	06-18/1
1405250-05	06-18/1
1405250-05	06-18/1
1405250-06	06-18/2
1405250-06	06-18/2
1405250-06	06-18/2
1405250-07	IW-1
1405250-07	IW-1
1405250-07	IW-1
1405250-08	97-214 B
1405250-08	97-214 B
1405250-08	97-214 B
1405250-09	TW-1
1405250-09	TW-1
1405250-09	TW-1

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PROJECT TECHNICAL NARRATIVE(s)

Total Metals by EPA 6000/7000 Series Methods

Narrative: This analyte was not present in this sample at a concentration greater than 100 times the MDL, therefore serial dilution is not required.

Analysis: USEPA-6020A

Sample/Analyte: 1405250-01 98-215A Arsenic

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PROJECT TECHNICAL NARRATIVE(s)

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Narrative: The concentration of analyte found in the MS and/or MSD exceeded the upper end of the calibration curve due to native analyte concentration found in the sample. Matrix quality control results are not available.

Analysis: SM 4500-NO3 F-2011

Sample/Analyte: 1405250-01 98-215A Nitrogen, Nitrate

Analysis: USEPA-9038

Sample/Analyte: 1405250-01 98-215A Sulfate

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The result for this analyte was above the linear range of the initial calibration curve and must be considered as estimated "E".

Analysis: USEPA-8260B

Sample/Analyte:	1405250-07RE1	IW-1	cis-1,2-Dichloroethene
	1405250-07RE1	IW-1	Vinyl Chloride
	1405250-09RE1	TW-1	cis-1,2-Dichloroethene

Qualification: The corresponding CCV for this analytical batch had a recovery exceeding the upper control limit of the method. A positive result for this analyte in any associated samples are considered estimated. Non-detectable results are not qualified.

Analysis: USEPA-8260B

Sample/Analyte:	1405250-09RE1	TW-1	Chloromethane

Qualification: The corresponding CCV for this analytical batch had a recovery below the lower control limit of the method. Positive results for this analyte in any associated samples are considered estimated; non-detectable results are considered approximate.

Analysis: USEPA-8260B

Sample/Analyte:	1405250-02	TW-2	2-Chloroethyl Vinyl Ether
	1405250-03	TW-3	2-Chloroethyl Vinyl Ether
	1405250-05	06-18/1	2-Chloroethyl Vinyl Ether
	1405250-06	06-18/2	2-Chloroethyl Vinyl Ether
	1405250-07RE1	IW-1	2-Chloroethyl Vinyl Ether
	1405250-09	TW-1	2-Chloroethyl Vinyl Ether

Qualification: The chemical utilized to preserve this sample has the potential to degrade 2-chloroethyl vinyl ether through polymerization or other rapid chemical reaction. The reporting limit and/or any positive result must be considered estimated.

Analysis: USEPA-8260B

Sample:	1405250-01	98-215A
	1405250-02	TW-2
	1405250-03	TW-3
	1405250-04	TW-4
	1405250-05	06-18/1
	1405250-06	06-18/2
	1405250-07	IW-1
	1405250-07RE1	IW-1
	1405250-08	97-214 B
	1405250-09	TW-1
	1405250-09RE1	TW-1
	1405250-10	Trip Blank #3 TM3357

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**98-215A**	Sampled:	5/14/14 7:20
Lab Sample ID:	**1405250-01**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	**33**	1.0	ug/L	1	RSK-175	05/20/14 12:52	JMF	1404721
Methane	**810**	10	ug/L	20	RSK-175	05/20/14 12:56	JMF	1404721
Ethylene	<1.0	1.0	ug/L	1	RSK-175	05/20/14 12:52	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**98-215A**	Sampled:	5/14/14 7:20		
Lab Sample ID:	**1405250-01**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/17/14 1:24	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**20**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	**1.9**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**29**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0

Continued on next page

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**98-215A**	Sampled:	5/14/14 7:20		
Lab Sample ID:	**1405250-01**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/17/14 1:24	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**98-215A**	Sampled:	5/14/14 7:20
Lab Sample ID:	**1405250-01**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	<1.0	1.0	ug/L	1	USEPA-6020A	05/22/14 12:55	DSC	1404593
Iron	**39**	10	ug/L	1	USEPA-6010C	05/20/14 18:05	CKD	1404587
Manganese	**19**	10	ug/L	1	USEPA-6010C	05/20/14 18:05	CKD	1404587

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**98-215A**	Sampled:	5/14/14 7:20
Lab Sample ID:	**1405250-01**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	**5.3**	0.50	mg/L	10	SM 4500-NO3 F-2011	05/15/14 17:22	CAC	1404960
Sulfate	**19**	5.0	mg/L	1	USEPA-9038	05/21/14 12:29	LMA	1404814
Carbon, Total Organic	**4.4**	0.50	mg/L	1	SM 5310 C-2011	05/21/14 12:03	TOC	1404867

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-2**	Sampled:	5/14/14 7:50
Lab Sample ID:	**1405250-02**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	**11**	1.0	ug/L	1	RSK-175	05/20/14 13:00	JMF	1404721
Methane	**4900**	100	ug/L	200	RSK-175	05/20/14 13:06	JMF	1404721
Ethylene	**33**	1.0	ug/L	1	RSK-175	05/20/14 13:00	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**TW-2**	Sampled:	5/14/14 7:50		
Lab Sample ID:	**1405250-02**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	5	Analyzed:	5/19/14 13:51	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	**38**	25
71-43-2	Benzene	<5.0	5.0
75-27-4	Bromodichloromethane	<1.2	1.2
75-15-0	Carbon Disulfide	<25	25
56-23-5	Carbon Tetrachloride	<5.0	5.0
108-90-7	Chlorobenzene	<5.0	5.0
*110-75-8	2-Chloroethyl Vinyl Ether	<25	25
67-66-3	Chloroform	<1.2	1.2
74-87-3	Chloromethane	<5.0	5.0
95-50-1	1,2-Dichlorobenzene	<5.0	5.0
106-46-7	1,4-Dichlorobenzene	<5.0	5.0
75-34-3	1,1-Dichloroethane	**34**	5.0
107-06-2	1,2-Dichloroethane	<5.0	5.0
75-35-4	1,1-Dichloroethene	<5.0	5.0
156-59-2	cis-1,2-Dichloroethene	**310**	5.0
156-60-5	trans-1,2-Dichloroethene	<5.0	5.0
78-87-5	1,2-Dichloropropane	<5.0	5.0
100-41-4	Ethylbenzene	**7.4**	5.0
591-78-6	2-Hexanone	<25	25
75-09-2	Methylene Chloride	<5.0	5.0
78-93-3	2-Butanone (MEK)	**140**	25
100-42-5	Styrene	<5.0	5.0
79-34-5	1,1,2,2-Tetrachloroethane	<2.5	2.5
127-18-4	Tetrachloroethene	<5.0	5.0
108-88-3	Toluene	<5.0	5.0
71-55-6	1,1,1-Trichloroethane	**52**	5.0
79-00-5	1,1,2-Trichloroethane	<5.0	5.0
79-01-6	Trichloroethene	<5.0	5.0
75-01-4	Vinyl Chloride	**480**	5.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**TW-2**	Sampled:	5/14/14 7:50		
Lab Sample ID:	**1405250-02**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	5	Analyzed:	5/19/14 13:51	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	**23**	15

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-2**	Sampled:	5/14/14 7:50
Lab Sample ID:	**1405250-02**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	**17**	1.0	ug/L	1	USEPA-6020A	05/22/14 11:15	DSC	1404593
Iron	**7400**	10	ug/L	1	USEPA-6010C	05/20/14 18:09	CKD	1404587
Manganese	**120**	10	ug/L	1	USEPA-6010C	05/20/14 18:09	CKD	1404587

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-2**	Sampled:	5/14/14 7:50
Lab Sample ID:	**1405250-02**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	**0.084**	0.050	mg/L	1	SM 4500-NO3 F-2011	05/15/14 16:40	CAC	1404960
Sulfate	<5.0	5.0	mg/L	1	USEPA-9038	05/21/14 12:32	LMA	1404814
Carbon, Total Organic	**28**	2.5	mg/L	5	SM 5310 C-2011	05/21/14 12:14	TOC	1404867

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-3**	Sampled:	5/14/14 8:15
Lab Sample ID:	**1405250-03**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	**58**	1.0	ug/L	1	RSK-175	05/20/14 13:10	JMF	1404721
Methane	**800**	10	ug/L	20	RSK-175	05/20/14 13:18	JMF	1404721
Ethylene	**170**	2.0	ug/L	2	RSK-175	05/20/14 13:14	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**TW-3**	Sampled:	5/14/14 8:15		
Lab Sample ID:	**1405250-03**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/19/14 14:18	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<10	10
71-43-2	Benzene	<2.0	2.0
75-27-4	Bromodichloromethane	<0.50	0.50
75-15-0	Carbon Disulfide	<10	10
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
*110-75-8	2-Chloroethyl Vinyl Ether	<10	10
67-66-3	Chloroform	<0.50	0.50
74-87-3	Chloromethane	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-34-3	1,1-Dichloroethane	**50**	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	**300**	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0
78-87-5	1,2-Dichloropropane	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
591-78-6	2-Hexanone	<10	10
75-09-2	Methylene Chloride	<2.0	2.0
78-93-3	2-Butanone (MEK)	<10	10
100-42-5	Styrene	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<2.0	2.0
108-88-3	Toluene	<2.0	2.0
71-55-6	1,1,1-Trichloroethane	**28**	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	**18**	2.0
75-01-4	Vinyl Chloride	**190**	2.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**TW-3**	Sampled:	5/14/14 8:15		
Lab Sample ID:	**1405250-03**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/19/14 14:18	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<6.0	6.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-3**	Sampled:	5/14/14 8:15
Lab Sample ID:	**1405250-03**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	**6.9**	1.0	ug/L	1	USEPA-6020A	05/22/14 11:18	DSC	1404593
Iron	**5900**	10	ug/L	1	USEPA-6010C	05/20/14 18:13	CKD	1404587
Manganese	**1000**	10	ug/L	1	USEPA-6010C	05/20/14 18:13	CKD	1404587

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-3**	Sampled:	5/14/14 8:15
Lab Sample ID:	**1405250-03**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F-2011	05/15/14 16:40	CAC	1404960
Sulfate	**13**	5.0	mg/L	1	USEPA-9038	05/21/14 12:32	LMA	1404814
Carbon, Total Organic	**11**	2.5	mg/L	5	SM 5310 C-2011	05/21/14 12:25	TOC	1404867

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-4**	Sampled:	5/14/14 8:40
Lab Sample ID:	**1405250-04**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	<1.0	1.0	ug/L	1	RSK-175	05/20/14 13:21	JMF	1404721
Methane	**190**	2.5	ug/L	5	RSK-175	05/20/14 13:26	JMF	1404721
Ethylene	**2.2**	1.0	ug/L	1	RSK-175	05/20/14 13:21	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**TW-4**	Sampled:	5/14/14 8:40		
Lab Sample ID:	**1405250-04**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/17/14 2:43	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	**5.0**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**TW-4**	Sampled:	5/14/14 8:40		
Lab Sample ID:	**1405250-04**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/17/14 2:43	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-4**	Sampled:	5/14/14 8:40
Lab Sample ID:	**1405250-04**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	**13**	1.0	ug/L	1	USEPA-6020A	05/22/14 11:20	DSC	1404593
Iron	**3800**	10	ug/L	1	USEPA-6010C	05/20/14 18:17	CKD	1404587
Manganese	**94**	10	ug/L	1	USEPA-6010C	05/20/14 18:17	CKD	1404587

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-4**	Sampled:	5/14/14 8:40
Lab Sample ID:	**1405250-04**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F-2011	05/15/14 16:41	CAC	1404960
Sulfate	**13**	5.0	mg/L	1	USEPA-9038	05/21/14 12:32	LMA	1404814
Carbon, Total Organic	**0.81**	0.50	mg/L	1	SM 5310 C-2011	05/21/14 12:37	TOC	1404867

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**06-18/1**	Sampled:	5/14/14 9:25
Lab Sample ID:	**1405250-05**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	**26**	1.0	ug/L	1	RSK-175	05/20/14 13:30	JMF	1404721
Methane	**1800**	25	ug/L	50	RSK-175	05/20/14 13:47	JMF	1404721
Ethylene	**640**	5.0	ug/L	5	RSK-175	05/20/14 13:41	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**06-18/1**	Sampled:	5/14/14 9:25		
Lab Sample ID:	**1405250-05**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/19/14 14:44	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
*110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	**80**	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**38**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	**9.7**	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	**41**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**12**	1.0
75-01-4	Vinyl Chloride	**76**	1.0

Continued on next page

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**06-18/1**	Sampled:	5/14/14 9:25		
Lab Sample ID:	**1405250-05**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/19/14 14:44	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**06-18/1**	Sampled:	5/14/14 9:25
Lab Sample ID:	**1405250-05**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	**11**	1.0	ug/L	1	USEPA-6020A	05/22/14 11:29	DSC	1404593
Iron	**2500**	10	ug/L	1	USEPA-6010C	05/20/14 18:21	CKD	1404587
Manganese	**200**	10	ug/L	1	USEPA-6010C	05/20/14 18:21	CKD	1404587

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**06-18/1**	Sampled:	5/14/14 9:25
Lab Sample ID:	**1405250-05**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F-2011	05/15/14 16:46	CAC	1404960
Sulfate	<5.0	5.0	mg/L	1	USEPA-9038	05/21/14 12:32	LMA	1404814
Carbon, Total Organic	**24**	2.5	mg/L	5	SM 5310 C-2011	05/21/14 20:44	TOC	1404867

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**06-18/2**	Sampled:	5/14/14 9:00
Lab Sample ID:	**1405250-06**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	<1.0	1.0	ug/L	1	RSK-175	05/20/14 13:50	JMF	1404721
Methane	**330**	5.0	ug/L	10	RSK-175	05/20/14 13:58	JMF	1404721
Ethylene	**150**	2.0	ug/L	2	RSK-175	05/20/14 13:54	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**06-18/2**	Sampled:	5/14/14 9:00		
Lab Sample ID:	**1405250-06**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/19/14 15:11	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
*110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	**1.3**	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**28**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	**4.6**	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**130**	1.0
75-01-4	Vinyl Chloride	**120**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**06-18/2**	Sampled:	5/14/14 9:00		
Lab Sample ID:	**1405250-06**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/19/14 15:11	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**06-18/2**	Sampled:	5/14/14 9:00
Lab Sample ID:	**1405250-06**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	<1.0	1.0	ug/L	1	USEPA-6020A	05/22/14 11:32	DSC	1404593
Iron	**39**	10	ug/L	1	USEPA-6010C	05/20/14 18:24	CKD	1404587
Manganese	<10	10	ug/L	1	USEPA-6010C	05/20/14 18:24	CKD	1404587

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**06-18/2**	Sampled:	5/14/14 9:00
Lab Sample ID:	**1405250-06**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	**0.057**	0.050	mg/L	1	SM 4500-NO3 F-2011	05/15/14 16:47	CAC	1404960
Sulfate	**9.8**	5.0	mg/L	1	USEPA-9038	05/21/14 12:35	LMA	1404814
Carbon, Total Organic	**0.63**	0.50	mg/L	1	SM 5310 C-2011	05/21/14 12:59	TOC	1404867

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**IW-1**	Sampled:	5/14/14 10:30
Lab Sample ID:	**1405250-07**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	**6.0**	1.0	ug/L	1	RSK-175	05/20/14 14:02	JMF	1404721
Methane	**6600**	100	ug/L	200	RSK-175	05/20/14 14:10	JMF	1404721
Ethylene	**1400**	20	ug/L	20	RSK-175	05/20/14 14:06	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**IW-1**	Sampled:	5/14/14 10:30		
Lab Sample ID:	**1405250-07**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	250	Analyzed:	5/17/14 4:02	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<1200	1200
71-43-2	Benzene	<250	250
75-27-4	Bromodichloromethane	<62	62
75-15-0	Carbon Disulfide	<1200	1200
56-23-5	Carbon Tetrachloride	<250	250
108-90-7	Chlorobenzene	<250	250
110-75-8	2-Chloroethyl Vinyl Ether	<1200	1200
67-66-3	Chloroform	<62	62
74-87-3	Chloromethane	<250	250
95-50-1	1,2-Dichlorobenzene	<250	250
106-46-7	1,4-Dichlorobenzene	<250	250
75-34-3	1,1-Dichloroethane	**860**	250
107-06-2	1,2-Dichloroethane	<250	250
75-35-4	1,1-Dichloroethene	<250	250
156-59-2	cis-1,2-Dichloroethene	**28000**	250
156-60-5	trans-1,2-Dichloroethene	<250	250
78-87-5	1,2-Dichloropropane	<250	250
100-41-4	Ethylbenzene	<250	250
591-78-6	2-Hexanone	<1200	1200
75-09-2	Methylene Chloride	<250	250
78-93-3	2-Butanone (MEK)	<1200	1200
100-42-5	Styrene	<250	250
79-34-5	1,1,2,2-Tetrachloroethane	<120	120
127-18-4	Tetrachloroethene	<250	250
108-88-3	Toluene	<250	250
71-55-6	1,1,1-Trichloroethane	<250	250
79-00-5	1,1,2-Trichloroethane	<250	250
79-01-6	Trichloroethene	<250	250
75-01-4	Vinyl Chloride	**28000**	250

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**IW-1**	Sampled:	5/14/14 10:30		
Lab Sample ID:	**1405250-07**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	250	Analyzed:	5/17/14 4:02	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<750	750

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**IW-1**	Sampled:	5/14/14 10:30
Lab Sample ID:	**1405250-07**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	**4.6**	1.0	ug/L	1	USEPA-6020A	05/22/14 11:35	DSC	1404593
Iron	**45000**	10	ug/L	1	USEPA-6010C	05/20/14 18:28	CKD	1404587
Manganese	**440**	10	ug/L	1	USEPA-6010C	05/20/14 18:28	CKD	1404587

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**IW-1**	Sampled:	5/14/14 10:30
Lab Sample ID:	**1405250-07**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F-2011	05/15/14 16:47	CAC	1404960
Sulfate	<5.0	5.0	mg/L	1	USEPA-9038	05/21/14 12:35	LMA	1404814
Carbon, Total Organic	**200**	50	mg/L	100	SM 5310 C-2011	05/21/14 13:10	TOC	1404867

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**IW-1**	Sampled:	5/14/14 10:30		
Lab Sample ID:	**1405250-07RE1**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	25	Analyzed:	5/19/14 19:36	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	**270**	120
71-43-2	Benzene	<25	25
75-27-4	Bromodichloromethane	<6.2	6.2
75-15-0	Carbon Disulfide	<120	120
56-23-5	Carbon Tetrachloride	<25	25
108-90-7	Chlorobenzene	<25	25
*110-75-8	2-Chloroethyl Vinyl Ether	<120	120
67-66-3	Chloroform	<6.2	6.2
74-87-3	Chloromethane	<25	25
95-50-1	1,2-Dichlorobenzene	<25	25
106-46-7	1,4-Dichlorobenzene	<25	25
75-34-3	1,1-Dichloroethane	**900**	25
107-06-2	1,2-Dichloroethane	<25	25
75-35-4	1,1-Dichloroethene	**120**	25
*156-59-2	cis-1,2-Dichloroethene	**26000**	25
156-60-5	trans-1,2-Dichloroethene	**110**	25
78-87-5	1,2-Dichloropropane	<25	25
100-41-4	Ethylbenzene	<25	25
591-78-6	2-Hexanone	<120	120
75-09-2	Methylene Chloride	<25	25
78-93-3	2-Butanone (MEK)	<120	120
100-42-5	Styrene	<25	25
79-34-5	1,1,2,2-Tetrachloroethane	<12	12
127-18-4	Tetrachloroethene	<25	25
108-88-3	Toluene	<25	25
71-55-6	1,1,1-Trichloroethane	**61**	25
79-00-5	1,1,2-Trichloroethane	<25	25
79-01-6	Trichloroethene	**71**	25
*75-01-4	Vinyl Chloride	**25000**	25
1330-20-7	Xylene (Total)	<75	75

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**IW-1**	Sampled:	5/14/14 10:30		
Lab Sample ID:	**1405250-07RE1**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	25	Analyzed:	5/19/14 19:36	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*100*	*85-118*
1,2-Dichloroethane-d4	*104*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**97-214 B**	Sampled:	5/14/14 11:05
Lab Sample ID:	**1405250-08**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	**13**	1.0	ug/L	1	RSK-175	05/20/14 14:14	JMF	1404721
Methane	**6400**	100	ug/L	200	RSK-175	05/20/14 14:20	JMF	1404721
Ethylene	**5.6**	1.0	ug/L	1	RSK-175	05/20/14 14:14	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**97-214 B**	Sampled:	5/14/14 11:05		
Lab Sample ID:	**1405250-08**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/17/14 4:29	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**2.0**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	**16**	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	**19**	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**97-214 B**	Sampled:	5/14/14 11:05		
Lab Sample ID:	**1405250-08**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/17/14 4:29	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**97-214 B**	Sampled:	5/14/14 11:05
Lab Sample ID:	**1405250-08**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	**20**	1.0	ug/L	1	USEPA-6020A	05/22/14 11:38	DSC	1404593
Iron	**9400**	10	ug/L	1	USEPA-6010C	05/20/14 18:35	CKD	1404587
Manganese	**260**	10	ug/L	1	USEPA-6010C	05/20/14 18:35	CKD	1404587

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**97-214 B**	Sampled:	5/14/14 11:05
Lab Sample ID:	**1405250-08**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Carbon, Total Organic	**40**	10	mg/L	20	SM 5310 C-2011	05/21/14 13:22	TOC	1404867
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F-2011	05/15/14 16:48	CAC	1404960
Sulfate	**6.8**	5.0	mg/L	1	USEPA-9038	05/21/14 12:35	LMA	1404814

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-1**	Sampled:	5/14/14 11:30
Lab Sample ID:	**1405250-09**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	**780**	10	ug/L	10	RSK-175	05/20/14 14:47	JMF	1404721
Methane	**320**	5.0	ug/L	10	RSK-175	05/20/14 14:47	JMF	1404721
Ethylene	**100**	1.0	ug/L	1	RSK-175	05/20/14 14:42	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**TW-1**	Sampled:	5/14/14 11:30		
Lab Sample ID:	**1405250-09**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	1000	Analyzed:	5/19/14 15:37	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5000	5000
71-43-2	Benzene	<1000	1000
75-27-4	Bromodichloromethane	<250	250
75-15-0	Carbon Disulfide	<5000	5000
56-23-5	Carbon Tetrachloride	<1000	1000
108-90-7	Chlorobenzene	<1000	1000
*110-75-8	2-Chloroethyl Vinyl Ether	<5000	5000
67-66-3	Chloroform	<250	250
74-87-3	Chloromethane	<1000	1000
95-50-1	1,2-Dichlorobenzene	<1000	1000
106-46-7	1,4-Dichlorobenzene	<1000	1000
75-34-3	1,1-Dichloroethane	**1200**	1000
107-06-2	1,2-Dichloroethane	<1000	1000
75-35-4	1,1-Dichloroethene	<1000	1000
156-59-2	cis-1,2-Dichloroethene	**180000**	1000
156-60-5	trans-1,2-Dichloroethene	<1000	1000
78-87-5	1,2-Dichloropropane	<1000	1000
100-41-4	Ethylbenzene	<1000	1000
591-78-6	2-Hexanone	<5000	5000
75-09-2	Methylene Chloride	<1000	1000
78-93-3	2-Butanone (MEK)	<5000	5000
100-42-5	Styrene	<1000	1000
79-34-5	1,1,2,2-Tetrachloroethane	<500	500
127-18-4	Tetrachloroethene	<1000	1000
108-88-3	Toluene	<1000	1000
71-55-6	1,1,1-Trichloroethane	**4400**	1000
79-00-5	1,1,2-Trichloroethane	<1000	1000
79-01-6	Trichloroethene	**3800**	1000
75-01-4	Vinyl Chloride	**1200**	1000

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**TW-1**	Sampled:	5/14/14 11:30		
Lab Sample ID:	**1405250-09**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	1000	Analyzed:	5/19/14 15:37	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3000	3000

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-1**	Sampled:	5/14/14 11:30
Lab Sample ID:	**1405250-09**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	**53**	1.0	ug/L	1	USEPA-6020A	05/22/14 11:41	DSC	1404593
Iron	**70000**	10	ug/L	1	USEPA-6010C	05/20/14 18:47	CKD	1404587
Manganese	**1200**	10	ug/L	1	USEPA-6010C	05/20/14 18:47	CKD	1404587

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC
Client Sample ID:	**TW-1**	Sampled:	5/14/14 11:30
Lab Sample ID:	**1405250-09**	Sampled By:	RDM
Matrix:	Water	Received:	5/15/14 8:20

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Carbon, Total Organic	**260**	100	mg/L	200	SM 5310 C-2011	05/21/14 13:33	TOC	1404867
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F-2011	05/15/14 16:49	CAC	1404960
Sulfate	<5.0	5.0	mg/L	1	USEPA-9038	05/21/14 12:35	LMA	1404814

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**TW-1**	Sampled:	5/14/14 11:30		
Lab Sample ID:	**1405250-09RE1**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	100	Analyzed:	5/22/14 7:13	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<500	500
71-43-2	Benzene	<100	100
75-27-4	Bromodichloromethane	<25	25
75-15-0	Carbon Disulfide	<500	500
56-23-5	Carbon Tetrachloride	<100	100
108-90-7	Chlorobenzene	<100	100
110-75-8	2-Chloroethyl Vinyl Ether	<500	500
67-66-3	Chloroform	<25	25
*74-87-3	Chloromethane	<100	100
95-50-1	1,2-Dichlorobenzene	<100	100
106-46-7	1,4-Dichlorobenzene	<100	100
75-34-3	1,1-Dichloroethane	**1400**	100
107-06-2	1,2-Dichloroethane	<100	100
75-35-4	1,1-Dichloroethene	**1100**	100
*156-59-2	cis-1,2-Dichloroethene	**180000**	100
156-60-5	trans-1,2-Dichloroethene	**740**	100
78-87-5	1,2-Dichloropropane	<100	100
100-41-4	Ethylbenzene	<100	100
591-78-6	2-Hexanone	<500	500
75-09-2	Methylene Chloride	<100	100
78-93-3	2-Butanone (MEK)	<500	500
100-42-5	Styrene	<100	100
79-34-5	1,1,2,2-Tetrachloroethane	<50	50
127-18-4	Tetrachloroethene	<100	100
108-88-3	Toluene	<100	100
71-55-6	1,1,1-Trichloroethane	**4800**	100
79-00-5	1,1,2-Trichloroethane	<100	100
79-01-6	Trichloroethene	**3800**	100
75-01-4	Vinyl Chloride	**1000**	100
1330-20-7	Xylene (Total)	<300	300

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ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**TW-1**	Sampled:	5/14/14 11:30		
Lab Sample ID:	**1405250-09RE1**	Sampled By:	RDM		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/21/14 15:00	By:	LEW
Dilution Factor:	100	Analyzed:	5/22/14 7:13	By:	LEW
QC Batch:	1404825	Analytical Batch:	4E22015		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*107*	*85-118*
1,2-Dichloroethane-d4	*91*	*87-122*
Toluene-d8	*101*	*85-113*
4-Bromofluorobenzene	*109*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**Trip Blank #3 TM3357**	Sampled:	5/14/14 0:00		
Lab Sample ID:	**1405250-10**	Sampled By:	TML		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/17/14 5:22	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405250**		
Project:	NCP Dowagiac, MI	Description:	PRR - OSR/ABC		
Client Sample ID:	**Trip Blank #3 TM3357**	Sampled:	5/14/14 0:00		
Lab Sample ID:	**1405250-10**	Sampled By:	TML		
Matrix:	Water	Received:	5/15/14 8:20		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/17/14 5:22	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*104*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1404721 Method-Specific Extraction/RSK-175								
Method Blank					Analyzed:		05/20/2014	By: JMF
Unit: ug/L					Analytical Batch:		4E21019	
Ethane			<1.0					1.0
Methane			<0.50			--		0.50
Ethylene			<1.0					1.0
Laboratory Control Sample					Analyzed:		05/20/2014	By: JMF
Unit: ug/L					Analytical Batch:		4E21019	
Ethane		62.8	**51.7**	82	67-122	--		1.0
Methane		33.3	**28.4**	85	70-116	--		0.50
Ethylene		58.5	**47.4**	81	67-121	--		1.0

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404673 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/16/2014 By: LEW

Unit: ug/L Analytical Batch: 4E19028

Acetone	<5.0			--	5.0	
Benzene	<1.0				1.0	
Bromodichloromethane	<0.25				0.25	
Carbon Disulfide	<5.0				5.0	
Carbon Tetrachloride	<1.0				1.0	
Chlorobenzene	<1.0				1.0	
2-Chloroethyl Vinyl Ether	<5.0				5.0	
Chloroform	<0.25				0.25	
Chloromethane	<1.0				1.0	
1,2-Dichlorobenzene	<1.0				1.0	
1,4-Dichlorobenzene	<1.0			--	1.0	
1,1-Dichloroethane	<1.0				1.0	
1,2-Dichloroethane	<1.0				1.0	
1,1-Dichloroethene	<1.0				1.0	
cis-1,2-Dichloroethene	<1.0				1.0	
trans-1,2-Dichloroethene	<1.0				1.0	
1,2-Dichloropropane	<1.0				1.0	
Ethylbenzene	<1.0				1.0	
2-Hexanone	<5.0				5.0	
Methylene Chloride	<1.0			--	1.0	
2-Butanone (MEK)	<5.0				5.0	
Styrene	<1.0				1.0	
1,1,2,2-Tetrachloroethane	<0.50				0.50	
Tetrachloroethene	<1.0				1.0	
Toluene	<1.0				1.0	
1,1,1-Trichloroethane	<1.0				1.0	
1,1,2-Trichloroethane	<1.0				1.0	
Trichloroethene	<1.0				1.0	
Vinyl Chloride	<1.0				1.0	
Xylene (Total)	<3.0				3.0	
Surrogates:						
Dibromofluoromethane			*102*	*85-118*		
1,2-Dichloroethane-d4			*103*	*87-122*		

Continued on next page

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1404673 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Method Blank (Continued)					Analyzed:		05/16/2014	By: LEW
Unit: ug/L					Analytical Batch:		4E19028	
Surrogates (Continued):								
Toluene-d8				*98*	*85-113*			
4-Bromofluorobenzene				*102*	*82-110*			
Laboratory Control Sample					Analyzed:		05/16/2014	By: LEW
Unit: ug/L					Analytical Batch:		4E19028	
Benzene		40.0	**37.8**	94	84-119	--		1.0
Chlorobenzene		40.0	**36.9**	92	84-118	--		1.0
1,1-Dichloroethene		40.0	**37.2**	93	77-123	--		1.0
Toluene		40.0	**37.6**	94	85-118	--		1.0
Trichloroethene		40.0	**37.1**	93	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*101*	*85-118*			
1,2-Dichloroethane-d4				*101*	*87-122*			
Toluene-d8				*100*	*85-113*			
4-Bromofluorobenzene				*101*	*82-110*			
Matrix Spike 1405250-07 IW-1					Analyzed:		05/17/2014	By: LEW
Unit: ug/L					Analytical Batch:		4E19028	
Benzene	<250	10000	**9700**	97	80-129	--		250
Chlorobenzene	<250	10000	**9480**	95	80-121	--		250
1,1-Dichloroethene	128	10000	**9640**	95	74-134	--		250
Toluene	<250	10000	**9540**	95	79-129	--		250
Trichloroethene	122	10000	**9120**	90	75-127	--		250
Surrogates:								
Dibromofluoromethane				*102*	*85-118*			
1,2-Dichloroethane-d4				*104*	*87-122*			
Toluene-d8				*98*	*85-113*			
4-Bromofluorobenzene				*104*	*82-110*			
Matrix Spike Duplicate 1405250-07 IW-1					Analyzed:		05/17/2014	By: LEW
Unit: ug/L					Analytical Batch:		4E19028	
Benzene	<250	10000	**9160**	92	80-129	6	9	250

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1404673 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B								
Matrix Spike Duplicate (Continued) 1405250-07 IW-1					Analyzed:	05/17/2014	By: LEW	
Unit: ug/L					Analytical Batch:	4E19028		
Chlorobenzene	<250	10000	**8940**	89	80-121	6	8	250
1,1-Dichloroethene	128	10000	**9180**	91	74-134	5	11	250
Toluene	<250	10000	**9190**	92	79-129	4	9	250
Trichloroethene	122	10000	**8580**	85	75-127	6	10	250
Surrogates:								
Dibromofluoromethane				*102*	*85-118*			
1,2-Dichloroethane-d4				*102*	*87-122*			
Toluene-d8				*100*	*85-113*			
4-Bromofluorobenzene				*103*	*82-110*			

QC Batch: 1404719 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank			Analyzed:	05/19/2014	By: LEW
Unit: ug/L			Analytical Batch:	4E20007	
Acetone	<5.0		--	5.0	
Benzene	<1.0			1.0	
Bromodichloromethane	<0.25			0.25	
Carbon Disulfide	<5.0			5.0	
Carbon Tetrachloride	<1.0			1.0	
Chlorobenzene	<1.0			1.0	
2-Chloroethyl Vinyl Ether	<5.0			5.0	
Chloroform	<0.25			0.25	
Chloromethane	<1.0			1.0	
1,2-Dichlorobenzene	<1.0			1.0	
1,4-Dichlorobenzene	<1.0		--	1.0	
1,1-Dichloroethane	<1.0			1.0	
1,2-Dichloroethane	<1.0			1.0	
1,1-Dichloroethene	<1.0			1.0	
cis-1,2-Dichloroethene	<1.0			1.0	
trans-1,2-Dichloroethene	<1.0			1.0	
1,2-Dichloropropane	<1.0			1.0	
Ethylbenzene	<1.0			1.0	
2-Hexanone	<5.0			5.0	
Methylene Chloride	<1.0		--	1.0	

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404719 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/19/2014 By: LEW

Unit: ug/L Analytical Batch: 4E20007

2-Butanone (MEK)			<5.0				5.0	
Styrene			<1.0				1.0	
1,1,2,2-Tetrachloroethane			<0.50				0.50	
Tetrachloroethene			<1.0				1.0	
Toluene			<1.0				1.0	
1,1,1-Trichloroethane			<1.0				1.0	
1,1,2-Trichloroethane			<1.0				1.0	
Trichloroethene			<1.0				1.0	
Vinyl Chloride			<1.0				1.0	
Xylene (Total)			<3.0				3.0	
Surrogates:								
Dibromofluoromethane				*102*	*85-118*			
1,2-Dichloroethane-d4				*103*	*87-122*			
Toluene-d8				*98*	*85-113*			
4-Bromofluorobenzene				*102*	*82-110*			

Laboratory Control Sample Analyzed: 05/19/2014 By: LEW

Unit: ug/L Analytical Batch: 4E20007

Benzene		40.0	**39.3**	98	84-119	--	1.0	
Chlorobenzene		40.0	**38.2**	96	84-118	--	1.0	
1,1-Dichloroethene		40.0	**40.1**	100	77-123	--	1.0	
Toluene		40.0	**39.0**	98	85-118	--	1.0	
Trichloroethene		40.0	**37.0**	93	82-119	--	1.0	
Surrogates:								
Dibromofluoromethane				*102*	*85-118*			
1,2-Dichloroethane-d4				*102*	*87-122*			
Toluene-d8				*100*	*85-113*			
4-Bromofluorobenzene				*101*	*82-110*			

QC Batch: 1404825 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/22/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22015

Acetone			<5.0				5.0	

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404825 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/22/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22015

Benzene	<1.0				1.0
Bromodichloromethane	<0.25				0.25
Carbon Disulfide	<5.0			--	5.0
Carbon Tetrachloride	<1.0				1.0
Chlorobenzene	<1.0				1.0
2-Chloroethyl Vinyl Ether	<5.0				5.0
Chloroform	<0.25				0.25
Chloromethane	<1.0				1.0
1,2-Dichlorobenzene	<1.0			--	1.0
1,4-Dichlorobenzene	<1.0			--	1.0
1,1-Dichloroethane	<1.0				1.0
1,2-Dichloroethane	<1.0				1.0
1,1-Dichloroethene	<1.0				1.0
cis-1,2-Dichloroethene	<1.0				1.0
trans-1,2-Dichloroethene	<1.0				1.0
1,2-Dichloropropane	<1.0				1.0
Ethylbenzene	<1.0				1.0
2-Hexanone	<5.0				5.0
Methylene Chloride	<1.0			--	1.0
2-Butanone (MEK)	<5.0				5.0
Styrene	<1.0				1.0
1,1,2,2-Tetrachloroethane	<0.50				0.50
Tetrachloroethene	<1.0				1.0
Toluene	<1.0				1.0
1,1,1-Trichloroethane	<1.0				1.0
1,1,2-Trichloroethane	<1.0				1.0
Trichloroethene	<1.0				1.0
Vinyl Chloride	<1.0				1.0
Xylene (Total)	<3.0				3.0
Surrogates:					
Dibromofluoromethane			*103*	*85-118*	
1,2-Dichloroethane-d4			*98*	*87-122*	
Toluene-d8			*100*	*85-113*	

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 1404825 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/22/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22015

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Surrogates (Continued):								
4-Bromofluorobenzene				*103*	*82-110*			

Laboratory Control Sample Analyzed: 05/22/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22015

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Benzene		40.0	**43.3**	108	84-119	--		1.0
Chlorobenzene		40.0	**43.1**	108	84-118	--		1.0
1,1-Dichloroethene		40.0	**42.4**	106	77-123	--		1.0
Toluene		40.0	**43.1**	108	85-118	--		1.0
Trichloroethene		40.0	**46.7**	117	82-119	--		1.0
Surrogates:								
Dibromofluoromethane				*93*	*85-118*			
1,2-Dichloroethane-d4				*87*	*87-122*			
Toluene-d8				*100*	*85-113*			
4-Bromofluorobenzene				*100*	*82-110*			

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte: **Arsenic**/USEPA-6020A									
QC Batch: 1404593 (3020A Digestion)							Analyzed:	05/22/2014	By: DSC
Method Blank			<1.0	ug/L					1.0
Laboratory Control Sample		50.0	**46.4**	ug/L	93	80-120			1.0
1405250-01 [98-215A]									
Matrix Spike	0.458	50.0	**46.2**	ug/L	91	75-125			1.0
Matrix Spike Duplicate	0.458	50.0	**44.9**	ug/L	89	75-125	3	20	1.0
Analyte: **Iron**/USEPA-6010C									
QC Batch: 1404587 (3010A Digestion)							Analyzed:	05/20/2014	By: CKD
Method Blank			<10	ug/L					10
Laboratory Control Sample		400	**370**	ug/L	93	80-120			10
Analyte: **Manganese**/USEPA-6010C									
QC Batch: 1404587 (3010A Digestion)							Analyzed:	05/20/2014	By: CKD
Method Blank			<10	ug/L					10
Laboratory Control Sample		400	**373**	ug/L	93	80-120			10

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte: Carbon, Total Organic/SM 5310 C-2011									
QC Batch: 1404867 (General Inorganic Prep)							Analyzed:	05/21/2014	By: TOC
Method Blank			<0.50	mg/L					0.50
Laboratory Control Sample		2.00	**2.01**	mg/L	100	84-118			0.50
Analyte: Nitrogen, Nitrate/SM 4500-NO3 F-2011									
QC Batch: 1404960 (General Inorganic Prep)							Analyzed:	05/15/2014	By: CAC
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.501**	mg/L	100	90-110			0.050
Analyte: Sulfate/USEPA-9038									
QC Batch: 1404814 (General Inorganic Prep)							Analyzed:	05/21/2014	By: LMA
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		20.0	**19.2**	mg/L	96	85-115			5.0

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Chain of Custody Record

COC No. 148223

Pg. 1 of 1

For Lab Use Only
Cart: 5
VOA Rack/Tray: 71, 153 Blue
Receipt Log No.: 7-10
Project Chemist:
Work Order No.: 1403250

Client Name: R. DAVID MURSCH
Address: 104 RIVERCLIFF DR
City, State Zip: CONNELLY SPRINGS, NC 28612
Phone/Fax:
Email: davidmursch@earthlink.net

Project Name: PRR - OSR/ARC
Client Project No. / P.O. No.: 96-01
Invoice To: PRR ☐ Client ☒ Other (comments)
Contact/Report To: RDM

Analyses Requested: 8260 RSK TOC FE/MN NO3/KEY

Container Type (corresponds to Container Packing List): D D C B A

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted	Total	Sample Comments
20		01	1 98-215A		5-14-14	0720		✓	W	2 2 3 1 1		
		02	2 TW-2			0750		✓	W	2 2 3 1 1		
		03	3 TW-3			0815		✓	W	2 2 3 1 1		
		04	4 TW-4			0840		✓	W	2 2 3 1 1		
		05	5 06-18/1			0925 ~~0900~~		✓	W	2 2 3 1 1		
		06	6 06-18/2			0900		✓	W	2 2 3 1 1		
		07	7 TW-1			1030		✓	W	2 2 3 1 1		
		08	8 97-214B			1105		✓	W	2 2 3 1 1		
		09	9 TW-1			1130		✓	W	2 2 3 1 1		
07		10	10 TRIP BLANK #3 TM3357			—		✓	W	1 — — —		

Sampled By (print): R. DAVID MURSCH
Sampler's Signature: R. Mursch
Company:

How Shipped? Hand ___ Carrier Fed Ex
Tracking No.:

Comments:

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
						[illegible]	5/15/14	0920

WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: RDM-Prairie Ronde Realty
Receipt Record Page/Line #: 7-10
Work Order #: 1405250
New / Add To
Project Chemist
Sample #s

Recorded by (initials/date): DR 5/15/14

☒ Cooler ☐ Box ☐ Other_____

Qty Received: 2

Thermometer Used: ☒ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____)

☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via
TM 3320	1039	☒ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / (Bottom)	☒ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☒ Temperature Blank (TB) ☐ 1 Container
TM 3357	1042	☒ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / (Middle) (Bottom)	☒ Loose Ice / Avg 2-3 containers ☒ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☒ Temperature Blank (TB) ☐ 1 Container
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container

Cooler #	Recorded °C	Correction Factor °C	Actual °C
TM 3320	Temp Blank: —		4.5
	TB location: (Representative) / Not Representative		
	1 5.7	—	5.7
	2 5.2	—	5.2
	3 2.9	—	2.9
	Average °C		4.6
TM 3357	Temp Blank: —		3.3
	TB location: (Representative) / Not Representative		
	1 4.6	—	4.6
	2 5.7	—	5.7
	3 3.4	—	3.4
	Average °C		4.6
	Temp Blank:		
	TB location: Representative / Not Representative		
	1		
	2		
	3		
	Average °C		
	Temp Blank:		
	TB location: Representative / Not Representative		
	1		
	2		
	3		
	Average °C		

Cooler #	Cooler ID on COC?	VOC Trip Blank received?
TM 3320	☐	☐
TM 3357	☐	☒
	☐	☐
	☐	☐

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes	No	
☒	☐	Chain of Custody record(s)? If No, Initiated By _____
☒		Received for Lab Signed/Date/Time?
☒	☐	Shipping document?
☐	☒	Other _____

COC Information

☒ TriMatrix COC ☐ Other 148223

COC ID Numbers:

Check COC for Accuracy

Yes	No	
☒	☐	Analysis Requested?
☒	☐	Sample ID matches COC?
☒	☐	Sample Date and Time matches COC?
☒		Container type completed on COC?
☒	☐	All container types indicated are received?

Check Sample Preservation

N/A	Yes	No	
	☒	☐	Average sample temperature ≤6° C?
☒	☐	☐	Was thermal preservation required?
☒	☐		If "No", Project Chemist Approval Intials: _____
☒	☐		If "Yes" Completed Non Con Cooler - Cont Inventory Form?
☐	☒		Completed Sample Preservation Verification Form?
☐	☒	☐	Samples chemically preserved correctly?
☒	☐		If "No", added orange tag?
	☐	☒	Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

- ☐ Bacteriological
- ☐ Air Bags
- ☐ EnCores / Methanol Pre-Preserved
- ☐ Formaldehyde/Aldehyde
- ☒ Green-tagged containers
- ☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
☐ NONE RECEIVED
☒ RECEIVED, COCs TO LAB(S)

Sample Condition Summary

N/A	Yes	No	
	☐	☒	Broken containers/lids?
	☐	☒	Missing or incomplete labels?
	☐	☒	Illegible information on labels?
	☐	☒	Low volume received?
	☐	☒	Inappropriate or non-TriMatrix containers received?
☐	☐	☒	VOC vials / TOX containers have headspace?
☐	☐	☒	Extra sample locations / containers not listed on COC?

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
5/15/14 0820	5/15/14 1056	Yes (No)

TRIMATRIX LABORATORIES

SAMPLE PRESERVATION VERIFICATION FORM

page ____ of ____

Client: RDM - Prairie Ronde Realty	Work Order #: 1405250
Receipt Log #: 7-10	Completed By (initials/date): LK 5/15/14
	Project Chemist:

COC ID #: 148223

Adjusted by: _____
Date: _____

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Container Type	5 / 23	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		6-8	<2	<2	
COC Line #1					✓	✓		
COC Line #2					✓	✓		
COC Line #3					✓	✓		
COC Line #4					✓	✓		
COC Line #5					✓	✓		
COC Line #6					✓	✓		
COC Line #7					✓	✓		
COC Line #8					✓	✓		
COC Line #9					✓	✓		
COC Line #10								

Comments

Ph Strip Lot #

☑ HC389101

☐ _____

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.

COC ID #: _____

Adjusted by: _____
Date: _____

DO NOT ADJUST pH FOR THESE CONTAINER TYPES

Container Type	5 / 23	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3								
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

Comments

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

June 02, 2014

Prairie Ronde Realty Company
Attn: Mr. R. David Mursch
104 Rivercliff Drive
Connelly Springs, NC 28612

Project: NCP Dowagiac, MI

Dear Mr. R. David Mursch,

Enclosed is a copy of the laboratory report for the following work order(s) received by TriMatrix Laboratories:

Work Order	**Received**	**Description**
1405217	05/14/2014	PRR - OBP & BDA

This report relates only to the sample(s) as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) and/or one of the following certification programs:

ACLASS DoD-ELAP/ISO17025 (#ADE-1542); Arkansas DEP (#88-0730/13-049-0); Florida DEP (#E87622-24); Georgia EPD (#E87622-24); Illinois DEP (#200026/003329); Kansas DPH (#E-10302); Kentucky DEP (#0021); Louisiana DEP (#103068); Michigan DPH (#0034); Minnesota DPH (#491715); New York ELAP (#11776/48855); North Carolina DNRE (#659); Texas CEQ (#T104704495-14-4); Virginia DCLS (#460153/2592); Wisconsin DNR (#999472650); USDA Soil Import Permit (#P330-12-00236).

Any qualification or narration of results, including sample acceptance requirements and test exceptions to the above referenced programs, is presented in the Statement of Data Qualifications and Project Technical Narrative sections of this report. Estimates of analytical uncertainties and certification documents for the test results contained within this report are available upon request.

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

Sincerely,

Gary L. Wood
Project Chemist

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PROJECT TECHNICAL NARRATIVE(s)

Dissolved Gases in Water by RSK-175 Headspace Analysis

Narrative: Due to sample volumes, batch matrix quality control (QC) was not performed for this analysis. A Method Blank and Laboratory Control Sample comprise the batch QC.

Analysis: RSK-175

Sample/Analyte:

1405217-01	98-226A
1405217-01	98-226A
1405217-01	98-226A
1405217-02	98-225B
1405217-02	98-225B
1405217-02	98-225B
1405217-03	98-220A
1405217-03	98-220A
1405217-03	98-220A
1405217-04	IW-9
1405217-04	IW-9
1405217-04	IW-9
1405217-06	96-203A
1405217-06	96-203A
1405217-06	96-203A
1405217-07	98-223A
1405217-07	98-223A
1405217-07	98-223A
1405217-08	98-223B
1405217-08	98-223B
1405217-08	98-223B

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PROJECT TECHNICAL NARRATIVE(s)

Total Metals by EPA 6000/7000 Series Methods

Narrative: This analyte was not present in this sample at a concentration greater than 100 times the MDL, therefore serial dilution is not required.

Analysis: USEPA-6020A

Sample/Analyte: 1405217-01 98-226A Arsenic

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PROJECT TECHNICAL NARRATIVE(s)

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Narrative: The concentration of analyte found in the MS and/or MSD exceeded the upper end of the calibration curve due to native analyte concentration found in the sample. Matrix quality control results are not available.

Analysis: SM 4500-NO3 F-2011

Sample/Analyte: 1405217-01 98-226A Nitrogen, Nitrate

Narrative: The CRL recovery for this analyte was outside of the laboratory control limits.

Analysis: SM 4500-NO3 F-2011

4E27045-CRL1 Nitrogen, Nitrate

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STATEMENT OF DATA QUALIFICATIONS

Volatile Organic Compounds by EPA Method 8260B

Qualification: The result for this analyte was above the linear range of the initial calibration curve and must be considered as estimated "E".

Analysis: USEPA-8260B

Sample/Analyte:		
1405217-02RE1	98-225B	cis-1,2-Dichloroethene

Qualification: The corresponding CCV for this analytical batch had a recovery below the lower control limit of the method. Positive results for this analyte in any associated samples are considered estimated; non-detectable results are considered approximate.

Analysis: USEPA-8260B

Sample/Analyte:		
1405217-01	98-226A	2-Chloroethyl Vinyl Ether
1405217-02RE1	98-225B	2-Chloroethyl Vinyl Ether
1405217-03	98-220A	2-Chloroethyl Vinyl Ether

Qualification: The chemical utilized to preserve this sample has the potential to degrade 2-chloroethyl vinyl ether through polymerization or other rapid chemical reaction. The reporting limit and/or any positive result must be considered estimated.

Analysis: USEPA-8260B

Sample:	
1405217-01	98-226A
1405217-02	98-225B
1405217-02RE1	98-225B
1405217-03	98-220A
1405217-04	IW-9
1405217-05	Trip Blank #TM3382
1405217-06	96-203A
1405217-07	98-223A
1405217-08	98-223B

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-226A**	Sampled:	5/13/14 7:25
Lab Sample ID:	**1405217-01**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:15	JMF	1404721
Methane	<0.50	0.50	ug/L	1	RSK-175	05/20/14 11:15	JMF	1404721
Ethylene	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:15	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-226A**	Sampled:	5/13/14 7:25		
Lab Sample ID:	**1405217-01**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/19/14 12:32	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<10	10
71-43-2	Benzene	<2.0	2.0
75-27-4	Bromodichloromethane	<0.50	0.50
75-15-0	Carbon Disulfide	<10	10
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
*110-75-8	2-Chloroethyl Vinyl Ether	<10	10
67-66-3	Chloroform	<0.50	0.50
74-87-3	Chloromethane	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-34-3	1,1-Dichloroethane	<2.0	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	**29**	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0
78-87-5	1,2-Dichloropropane	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
591-78-6	2-Hexanone	<10	10
75-09-2	Methylene Chloride	<2.0	2.0
78-93-3	2-Butanone (MEK)	<10	10
100-42-5	Styrene	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<2.0	2.0
108-88-3	Toluene	<2.0	2.0
71-55-6	1,1,1-Trichloroethane	<2.0	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	**310**	2.0
75-01-4	Vinyl Chloride	<2.0	2.0

Continued on next page

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-226A**	Sampled:	5/13/14 7:25		
Lab Sample ID:	**1405217-01**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/19/14 12:32	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<6.0	6.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*103*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-226A**	Sampled:	5/13/14 7:25
Lab Sample ID:	**1405217-01**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	**2.4**	1.0	ug/L	1	USEPA-6020A	05/21/14 11:39	DSC	1404548
Iron	**510**	10	ug/L	1	USEPA-6010C	05/20/14 14:30	CKD	1404547
Manganese	**160**	10	ug/L	1	USEPA-6010C	05/20/14 14:30	CKD	1404547

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-226A**	Sampled:	5/13/14 7:25
Lab Sample ID:	**1405217-01**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	**0.70**	0.050	mg/L	1	SM 4500-NO3 F-2011	05/14/14 14:18	CAC	1404542
Sulfate	**20**	5.0	mg/L	1	USEPA-9038	05/19/14 12:47	LMA	1404704
Carbon, Total Organic	**1.1**	0.50	mg/L	1	SM 5310 C-2011	05/15/14 16:51	KAR	1404599

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-225B**	Sampled:	5/13/14 8:00
Lab Sample ID:	**1405217-02**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:19	JMF	1404721
Methane	**290**	5.0	ug/L	10	RSK-175	05/20/14 11:23	JMF	1404721
Ethylene	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:19	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-225B**	Sampled:	5/13/14 8:00		
Lab Sample ID:	**1405217-02**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	25	Analyzed:	5/16/14 22:19	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<120	120
71-43-2	Benzene	<25	25
75-27-4	Bromodichloromethane	<6.2	6.2
75-15-0	Carbon Disulfide	<120	120
56-23-5	Carbon Tetrachloride	<25	25
108-90-7	Chlorobenzene	<25	25
110-75-8	2-Chloroethyl Vinyl Ether	<120	120
67-66-3	Chloroform	<6.2	6.2
74-87-3	Chloromethane	<25	25
95-50-1	1,2-Dichlorobenzene	<25	25
106-46-7	1,4-Dichlorobenzene	<25	25
75-34-3	1,1-Dichloroethane	<25	25
107-06-2	1,2-Dichloroethane	<25	25
75-35-4	1,1-Dichloroethene	<25	25
156-59-2	cis-1,2-Dichloroethene	**2200**	25
156-60-5	trans-1,2-Dichloroethene	**26**	25
78-87-5	1,2-Dichloropropane	<25	25
100-41-4	Ethylbenzene	<25	25
591-78-6	2-Hexanone	<120	120
75-09-2	Methylene Chloride	<25	25
78-93-3	2-Butanone (MEK)	<120	120
100-42-5	Styrene	<25	25
79-34-5	1,1,2,2-Tetrachloroethane	<12	12
127-18-4	Tetrachloroethene	<25	25
108-88-3	Toluene	<25	25
71-55-6	1,1,1-Trichloroethane	<25	25
79-00-5	1,1,2-Trichloroethane	<25	25
79-01-6	Trichloroethene	**67**	25
75-01-4	Vinyl Chloride	<25	25

Continued on next page

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-225B**	Sampled:	5/13/14 8:00		
Lab Sample ID:	**1405217-02**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	25	Analyzed:	5/16/14 22:19	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<75	75

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-225B**	Sampled:	5/13/14 8:00
Lab Sample ID:	**1405217-02**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	**2.7**	1.0	ug/L	1	USEPA-6020A	05/21/14 11:53	DSC	1404548
Iron	**2500**	10	ug/L	1	USEPA-6010C	05/20/14 14:34	CKD	1404547
Manganese	**450**	10	ug/L	1	USEPA-6010C	05/20/14 14:34	CKD	1404547

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-225B**	Sampled:	5/13/14 8:00
Lab Sample ID:	**1405217-02**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	**0.060**	0.050	mg/L	1	SM 4500-NO3 F-2011	05/14/14 14:20	CAC	1404542
Sulfate	**17**	5.0	mg/L	1	USEPA-9038	05/19/14 12:47	LMA	1404704
Carbon, Total Organic	**22**	5.0	mg/L	10	SM 5310 C-2011	05/15/14 17:02	KAR	1404599

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-225B**	Sampled:	5/13/14 8:00		
Lab Sample ID:	**1405217-02RE1**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	2.5	Analyzed:	5/19/14 18:43	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<12	12
71-43-2	Benzene	<2.5	2.5
75-27-4	Bromodichloromethane	<0.62	0.62
75-15-0	Carbon Disulfide	<12	12
56-23-5	Carbon Tetrachloride	<2.5	2.5
108-90-7	Chlorobenzene	<2.5	2.5
*110-75-8	2-Chloroethyl Vinyl Ether	<12	12
67-66-3	Chloroform	<0.62	0.62
74-87-3	Chloromethane	<2.5	2.5
95-50-1	1,2-Dichlorobenzene	<2.5	2.5
106-46-7	1,4-Dichlorobenzene	<2.5	2.5
75-34-3	1,1-Dichloroethane	<2.5	2.5
107-06-2	1,2-Dichloroethane	<2.5	2.5
75-35-4	1,1-Dichloroethene	**2.8**	2.5
*156-59-2	cis-1,2-Dichloroethene	**2000**	2.5
156-60-5	trans-1,2-Dichloroethene	**27**	2.5
78-87-5	1,2-Dichloropropane	<2.5	2.5
100-41-4	Ethylbenzene	<2.5	2.5
591-78-6	2-Hexanone	<12	12
75-09-2	Methylene Chloride	<2.5	2.5
78-93-3	2-Butanone (MEK)	<12	12
100-42-5	Styrene	<2.5	2.5
79-34-5	1,1,2,2-Tetrachloroethane	<1.2	1.2
127-18-4	Tetrachloroethene	<2.5	2.5
108-88-3	Toluene	<2.5	2.5
71-55-6	1,1,1-Trichloroethane	<2.5	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	**65**	2.5
75-01-4	Vinyl Chloride	**5.2**	2.5
1330-20-7	Xylene (Total)	<7.5	7.5

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-225B**	Sampled:	5/13/14 8:00		
Lab Sample ID:	**1405217-02RE1**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	2.5	Analyzed:	5/19/14 18:43	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*99*	*85-118*
1,2-Dichloroethane-d4	*101*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-220A**	Sampled:	5/13/14 8:30
Lab Sample ID:	**1405217-03**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:28	JMF	1404721
Methane	**7.2**	0.50	ug/L	1	RSK-175	05/20/14 11:28	JMF	1404721
Ethylene	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:28	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-220A**	Sampled:	5/13/14 8:30		
Lab Sample ID:	**1405217-03**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/19/14 12:58	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
*110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**34**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**140**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-220A**	Sampled:	5/13/14 8:30		
Lab Sample ID:	**1405217-03**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/19/14 6:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/19/14 12:58	By:	LEW
QC Batch:	1404719	Analytical Batch:	4E20007		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*103*	*85-118*
1,2-Dichloroethane-d4	*105*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-220A**	Sampled:	5/13/14 8:30
Lab Sample ID:	**1405217-03**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	**7.1**	1.0	ug/L	1	USEPA-6020A	05/21/14 11:56	DSC	1404548
Iron	**2300**	10	ug/L	1	USEPA-6010C	05/20/14 14:38	CKD	1404547
Manganese	**820**	10	ug/L	1	USEPA-6010C	05/20/14 14:38	CKD	1404547

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-220A**	Sampled:	5/13/14 8:30
Lab Sample ID:	**1405217-03**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Sulfate	**17**	5.0	mg/L	1	USEPA-9038	05/19/14 12:50	LMA	1404704
Carbon, Total Organic	**3.8**	0.50	mg/L	1	SM 5310 C-2011	05/21/14 11:52	TOC	1404867
Nitrogen, Nitrate	**0.16**	0.050	mg/L	1	SM 4500-NO3 F-2011	05/14/14 14:21	CAC	1404542

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**IW-9**	Sampled:	5/13/14 9:05
Lab Sample ID:	**1405217-04**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:33	JMF	1404721
Methane	**2.3**	0.50	ug/L	1	RSK-175	05/20/14 11:33	JMF	1404721
Ethylene	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:33	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**IW-9**	Sampled:	5/13/14 9:05		
Lab Sample ID:	**1405217-04**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/16/14 23:12	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<10	10
71-43-2	Benzene	<2.0	2.0
75-27-4	Bromodichloromethane	<0.50	0.50
75-15-0	Carbon Disulfide	<10	10
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
110-75-8	2-Chloroethyl Vinyl Ether	<10	10
67-66-3	Chloroform	<0.50	0.50
74-87-3	Chloromethane	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-34-3	1,1-Dichloroethane	<2.0	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	<2.0	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0
78-87-5	1,2-Dichloropropane	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
591-78-6	2-Hexanone	<10	10
75-09-2	Methylene Chloride	<2.0	2.0
78-93-3	2-Butanone (MEK)	<10	10
100-42-5	Styrene	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<2.0	2.0
108-88-3	Toluene	<2.0	2.0
71-55-6	1,1,1-Trichloroethane	<2.0	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	**160**	2.0
75-01-4	Vinyl Chloride	<2.0	2.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**IW-9**	Sampled:	5/13/14 9:05		
Lab Sample ID:	**1405217-04**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/16/14 23:12	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<6.0	6.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**IW-9**	Sampled:	5/13/14 9:05
Lab Sample ID:	**1405217-04**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	<1.0	1.0	ug/L	1	USEPA-6020A	05/21/14 11:58	DSC	1404548
Iron	<10	10	ug/L	1	USEPA-6010C	05/20/14 14:50	CKD	1404547
Manganese	**140**	10	ug/L	1	USEPA-6010C	05/20/14 14:50	CKD	1404547

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**IW-9**	Sampled:	5/13/14 9:05
Lab Sample ID:	**1405217-04**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Carbon, Total Organic	**0.62**	0.50	mg/L	1	SM 5310 C-2011	05/15/14 18:04	KAR	1404599
Nitrogen, Nitrate	**0.091**	0.050	mg/L	1	SM 4500-NO3 F-2011	05/14/14 14:22	CAC	1404542
Sulfate	**21**	5.0	mg/L	1	USEPA-9038	05/19/14 12:50	LMA	1404704

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**Trip Blank #TM3382**	Sampled:	5/13/14 0:00		
Lab Sample ID:	**1405217-05**	Sampled By:	TML		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/16/14 23:38	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	<1.0	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	<1.0	1.0
75-01-4	Vinyl Chloride	<1.0	1.0
1330-20-7	Xylene (Total)	<3.0	3.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**Trip Blank #TM3382**	Sampled:	5/13/14 0:00		
Lab Sample ID:	**1405217-05**	Sampled By:	TML		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/16/14 23:38	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**96-203A**	Sampled:	5/13/14 10:15
Lab Sample ID:	**1405217-06**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:37	JMF	1404721
Methane	**2.2**	0.50	ug/L	1	RSK-175	05/20/14 11:37	JMF	1404721
Ethylene	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:37	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**96-203A**	Sampled:	5/13/14 10:15		
Lab Sample ID:	**1405217-06**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	2.5	Analyzed:	5/21/14 15:19	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<12	12
71-43-2	Benzene	<2.5	2.5
75-27-4	Bromodichloromethane	<0.62	0.62
75-15-0	Carbon Disulfide	<12	12
56-23-5	Carbon Tetrachloride	<2.5	2.5
108-90-7	Chlorobenzene	<2.5	2.5
110-75-8	2-Chloroethyl Vinyl Ether	<12	12
67-66-3	Chloroform	<0.62	0.62
74-87-3	Chloromethane	<2.5	2.5
95-50-1	1,2-Dichlorobenzene	<2.5	2.5
106-46-7	1,4-Dichlorobenzene	<2.5	2.5
75-34-3	1,1-Dichloroethane	<2.5	2.5
107-06-2	1,2-Dichloroethane	<2.5	2.5
75-35-4	1,1-Dichloroethene	<2.5	2.5
156-59-2	cis-1,2-Dichloroethene	**140**	2.5
156-60-5	trans-1,2-Dichloroethene	<2.5	2.5
78-87-5	1,2-Dichloropropane	<2.5	2.5
100-41-4	Ethylbenzene	<2.5	2.5
591-78-6	2-Hexanone	<12	12
75-09-2	Methylene Chloride	<2.5	2.5
78-93-3	2-Butanone (MEK)	<12	12
100-42-5	Styrene	<2.5	2.5
79-34-5	1,1,2,2-Tetrachloroethane	<1.2	1.2
127-18-4	Tetrachloroethene	<2.5	2.5
108-88-3	Toluene	<2.5	2.5
71-55-6	1,1,1-Trichloroethane	<2.5	2.5
79-00-5	1,1,2-Trichloroethane	<2.5	2.5
79-01-6	Trichloroethene	**360**	2.5
75-01-4	Vinyl Chloride	<2.5	2.5

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**96-203A**	Sampled:	5/13/14 10:15		
Lab Sample ID:	**1405217-06**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/21/14 12:00	By:	LEW
Dilution Factor:	2.5	Analyzed:	5/21/14 15:19	By:	LEW
QC Batch:	1404824	Analytical Batch:	4E22014		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<7.5	7.5

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*97*	*87-122*
Toluene-d8	*99*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**96-203A**	Sampled:	5/13/14 10:15
Lab Sample ID:	**1405217-06**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	<1.0	1.0	ug/L	1	USEPA-6020A	05/21/14 12:06	DSC	1404548
Iron	**370**	10	ug/L	1	USEPA-6010C	05/20/14 14:54	CKD	1404547
Manganese	**110**	10	ug/L	1	USEPA-6010C	05/20/14 14:54	CKD	1404547

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**96-203A**	Sampled:	5/13/14 10:15
Lab Sample ID:	**1405217-06**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Carbon, Total Organic	**0.67**	0.50	mg/L	1	SM 5310 C-2011	05/15/14 18:15	KAR	1404599
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F-2011	05/14/14 14:22	CAC	1404542
Sulfate	**23**	5.0	mg/L	1	USEPA-9038	05/19/14 12:50	LMA	1404704

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-223A**	Sampled:	5/13/14 10:45
Lab Sample ID:	**1405217-07**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:42	JMF	1404721
Methane	<0.50	0.50	ug/L	1	RSK-175	05/20/14 11:42	JMF	1404721
Ethylene	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:42	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-223A**	Sampled:	5/13/14 10:45		
Lab Sample ID:	**1405217-07**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/17/14 0:31	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<5.0	5.0
71-43-2	Benzene	<1.0	1.0
75-27-4	Bromodichloromethane	<0.25	0.25
75-15-0	Carbon Disulfide	<5.0	5.0
56-23-5	Carbon Tetrachloride	<1.0	1.0
108-90-7	Chlorobenzene	<1.0	1.0
110-75-8	2-Chloroethyl Vinyl Ether	<5.0	5.0
67-66-3	Chloroform	<0.25	0.25
74-87-3	Chloromethane	<1.0	1.0
95-50-1	1,2-Dichlorobenzene	<1.0	1.0
106-46-7	1,4-Dichlorobenzene	<1.0	1.0
75-34-3	1,1-Dichloroethane	<1.0	1.0
107-06-2	1,2-Dichloroethane	<1.0	1.0
75-35-4	1,1-Dichloroethene	<1.0	1.0
156-59-2	cis-1,2-Dichloroethene	**76**	1.0
156-60-5	trans-1,2-Dichloroethene	<1.0	1.0
78-87-5	1,2-Dichloropropane	<1.0	1.0
100-41-4	Ethylbenzene	<1.0	1.0
591-78-6	2-Hexanone	<5.0	5.0
75-09-2	Methylene Chloride	<1.0	1.0
78-93-3	2-Butanone (MEK)	<5.0	5.0
100-42-5	Styrene	<1.0	1.0
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<1.0	1.0
108-88-3	Toluene	<1.0	1.0
71-55-6	1,1,1-Trichloroethane	<1.0	1.0
79-00-5	1,1,2-Trichloroethane	<1.0	1.0
79-01-6	Trichloroethene	**160**	1.0
75-01-4	Vinyl Chloride	<1.0	1.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-223A**	Sampled:	5/13/14 10:45		
Lab Sample ID:	**1405217-07**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	1	Analyzed:	5/17/14 0:31	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<3.0	3.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-223A**	Sampled:	5/13/14 10:45
Lab Sample ID:	**1405217-07**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	<1.0	1.0	ug/L	1	USEPA-6020A	05/21/14 12:09	DSC	1404548
Iron	**17**	10	ug/L	1	USEPA-6010C	05/20/14 14:58	CKD	1404547
Manganese	<10	10	ug/L	1	USEPA-6010C	05/20/14 14:58	CKD	1404547

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-223A**	Sampled:	5/13/14 10:45
Lab Sample ID:	**1405217-07**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	**0.17**	0.050	mg/L	1	SM 4500-NO3 F-2011	05/14/14 14:23	CAC	1404542
Sulfate	**25**	5.0	mg/L	1	USEPA-9038	05/19/14 12:50	LMA	1404704
Carbon, Total Organic	**0.88**	0.50	mg/L	1	SM 5310 C-2011	05/15/14 18:26	KAR	1404599

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-223B**	Sampled:	5/13/14 11:15
Lab Sample ID:	**1405217-08**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Ethane	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:45	JMF	1404721
Methane	**0.85**	0.50	ug/L	1	RSK-175	05/20/14 11:45	JMF	1404721
Ethylene	<1.0	1.0	ug/L	1	RSK-175	05/20/14 11:45	JMF	1404721

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-223B**	Sampled:	5/13/14 11:15		
Lab Sample ID:	**1405217-08**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/17/14 0:57	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<10	10
71-43-2	Benzene	<2.0	2.0
75-27-4	Bromodichloromethane	<0.50	0.50
75-15-0	Carbon Disulfide	<10	10
56-23-5	Carbon Tetrachloride	<2.0	2.0
108-90-7	Chlorobenzene	<2.0	2.0
110-75-8	2-Chloroethyl Vinyl Ether	<10	10
67-66-3	Chloroform	<0.50	0.50
74-87-3	Chloromethane	<2.0	2.0
95-50-1	1,2-Dichlorobenzene	<2.0	2.0
106-46-7	1,4-Dichlorobenzene	<2.0	2.0
75-34-3	1,1-Dichloroethane	<2.0	2.0
107-06-2	1,2-Dichloroethane	<2.0	2.0
75-35-4	1,1-Dichloroethene	<2.0	2.0
156-59-2	cis-1,2-Dichloroethene	**19**	2.0
156-60-5	trans-1,2-Dichloroethene	<2.0	2.0
78-87-5	1,2-Dichloropropane	<2.0	2.0
100-41-4	Ethylbenzene	<2.0	2.0
591-78-6	2-Hexanone	<10	10
75-09-2	Methylene Chloride	<2.0	2.0
78-93-3	2-Butanone (MEK)	<10	10
100-42-5	Styrene	<2.0	2.0
79-34-5	1,1,2,2-Tetrachloroethane	<1.0	1.0
127-18-4	Tetrachloroethene	<2.0	2.0
108-88-3	Toluene	<2.0	2.0
71-55-6	1,1,1-Trichloroethane	<2.0	2.0
79-00-5	1,1,2-Trichloroethane	<2.0	2.0
79-01-6	Trichloroethene	**180**	2.0
75-01-4	Vinyl Chloride	<2.0	2.0

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**		
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA		
Client Sample ID:	**98-223B**	Sampled:	5/13/14 11:15		
Lab Sample ID:	**1405217-08**	Sampled By:	RDM		
Matrix:	Water	Received:	5/14/14 8:40		
Unit:	ug/L	Prepared:	5/16/14 15:00	By:	LEW
Dilution Factor:	2	Analyzed:	5/17/14 0:57	By:	LEW
QC Batch:	1404673	Analytical Batch:	4E19028		

*Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
1330-20-7	Xylene (Total)	<6.0	6.0

Surrogates:	***% Recovery***	***Control Limits***
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*103*	*87-122*
Toluene-d8	*98*	*85-113*
4-Bromofluorobenzene	*102*	*82-110*

*See Statement of Data Qualifications

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-223B**	Sampled:	5/13/14 11:15
Lab Sample ID:	**1405217-08**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Arsenic	<1.0	1.0	ug/L	1	USEPA-6020A	05/21/14 12:12	DSC	1404548
Iron	**83**	10	ug/L	1	USEPA-6010C	05/20/14 15:01	CKD	1404547
Manganese	**49**	10	ug/L	1	USEPA-6010C	05/20/14 15:01	CKD	1404547

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TRIMATRIX LABORATORIES

ANALYTICAL REPORT

Client:	**Prairie Ronde Realty Company**	Work Order:	**1405217**
Project:	NCP Dowagiac, MI	Description:	PRR - OBP & BDA
Client Sample ID:	**98-223B**	Sampled:	5/13/14 11:15
Lab Sample ID:	**1405217-08**	Sampled By:	RDM
Matrix:	Water	Received:	5/14/14 8:40

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Time Analyzed	By	QC Batch
Nitrogen, Nitrate	<0.050	0.050	mg/L	1	SM 4500-NO3 F-2011	05/14/14 14:24	CAC	1404542
Sulfate	**26**	5.0	mg/L	1	USEPA-9038	05/19/14 12:53	LMA	1404704
Carbon, Total Organic	**0.63**	0.50	mg/L	1	SM 5310 C-2011	05/15/14 18:37	KAR	1404599

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Dissolved Gases in Water by RSK-175 Headspace Analysis

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 1404721 Method-Specific Extraction/RSK-175								
Method Blank					Analyzed:		05/20/2014	By: JMF
Unit: ug/L					Analytical Batch:		4E21019	
Ethane			<1.0					1.0
Methane			<0.50			--		0.50
Ethylene			<1.0					1.0
Laboratory Control Sample					Analyzed:		05/20/2014	By: JMF
Unit: ug/L					Analytical Batch:		4E21019	
Ethane		62.8	**51.7**	82	67-122	--		1.0
Methane		33.3	**28.4**	85	70-116	--		0.50
Ethylene		58.5	**47.4**	81	67-121	--		1.0

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404673 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/16/2014 By: LEW

Unit: ug/L Analytical Batch: 4E19028

Acetone	<5.0			--	5.0	
Benzene	<1.0				1.0	
Bromodichloromethane	<0.25				0.25	
Carbon Disulfide	<5.0				5.0	
Carbon Tetrachloride	<1.0				1.0	
Chlorobenzene	<1.0				1.0	
2-Chloroethyl Vinyl Ether	<5.0				5.0	
Chloroform	<0.25				0.25	
Chloromethane	<1.0				1.0	
1,2-Dichlorobenzene	<1.0				1.0	
1,4-Dichlorobenzene	<1.0			--	1.0	
1,1-Dichloroethane	<1.0				1.0	
1,2-Dichloroethane	<1.0				1.0	
1,1-Dichloroethene	<1.0				1.0	
cis-1,2-Dichloroethene	<1.0				1.0	
trans-1,2-Dichloroethene	<1.0				1.0	
1,2-Dichloropropane	<1.0				1.0	
Ethylbenzene	<1.0				1.0	
2-Hexanone	<5.0				5.0	
Methylene Chloride	<1.0			--	1.0	
2-Butanone (MEK)	<5.0				5.0	
Styrene	<1.0				1.0	
1,1,2,2-Tetrachloroethane	<0.50				0.50	
Tetrachloroethene	<1.0				1.0	
Toluene	<1.0				1.0	
1,1,1-Trichloroethane	<1.0				1.0	
1,1,2-Trichloroethane	<1.0				1.0	
Trichloroethene	<1.0				1.0	
Vinyl Chloride	<1.0				1.0	
Xylene (Total)	<3.0				3.0	
Surrogates:						
Dibromofluoromethane			*102*	*85-118*		
1,2-Dichloroethane-d4			*103*	*87-122*		

Continued on next page

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404673 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/16/2014 By: LEW

Unit: ug/L Analytical Batch: 4E19028

Surrogates (Continued):							
Toluene-d8				*98*	*85-113*		
4-Bromofluorobenzene				*102*	*82-110*		

Laboratory Control Sample Analyzed: 05/16/2014 By: LEW

Unit: ug/L Analytical Batch: 4E19028

Benzene	40.0	**37.8**		94	84-119	--	1.0
Chlorobenzene	40.0	**36.9**		92	84-118	--	1.0
1,1-Dichloroethene	40.0	**37.2**		93	77-123	--	1.0
Toluene	40.0	**37.6**		94	85-118	--	1.0
Trichloroethene	40.0	**37.1**		93	82-119	--	1.0
Surrogates:							
Dibromofluoromethane				*101*	*85-118*		
1,2-Dichloroethane-d4				*101*	*87-122*		
Toluene-d8				*100*	*85-113*		
4-Bromofluorobenzene				*101*	*82-110*		

QC Batch: 1404719 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/19/2014 By: LEW

Unit: ug/L Analytical Batch: 4E20007

Acetone			<5.0			--	5.0
Benzene			<1.0				1.0
Bromodichloromethane			<0.25				0.25
Carbon Disulfide			<5.0				5.0
Carbon Tetrachloride			<1.0				1.0
Chlorobenzene			<1.0				1.0
2-Chloroethyl Vinyl Ether			<5.0				5.0
Chloroform			<0.25				0.25
Chloromethane			<1.0				1.0
1,2-Dichlorobenzene			<1.0				1.0
1,4-Dichlorobenzene			<1.0			--	1.0
1,1-Dichloroethane			<1.0				1.0
1,2-Dichloroethane			<1.0				1.0

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Volatile Organic Compounds by EPA Method 8260B (Continued)

QC Batch: 1404719 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) — Analyzed: 05/19/2014 By: LEW
Unit: ug/L — Analytical Batch: 4E20007

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
1,1-Dichloroethene			<1.0					1.0
cis-1,2-Dichloroethene			<1.0					1.0
trans-1,2-Dichloroethene			<1.0					1.0
1,2-Dichloropropane			<1.0					1.0
Ethylbenzene			<1.0					1.0
2-Hexanone			<5.0					5.0
Methylene Chloride			<1.0			--		1.0
2-Butanone (MEK)			<5.0					5.0
Styrene			<1.0					1.0
1,1,2,2-Tetrachloroethane			<0.50					0.50
Tetrachloroethene			<1.0					1.0
Toluene			<1.0					1.0
1,1,1-Trichloroethane			<1.0					1.0
1,1,2-Trichloroethane			<1.0					1.0
Trichloroethene			<1.0					1.0
Vinyl Chloride			<1.0					1.0
Xylene (Total)			<3.0					3.0
Surrogates:								
Dibromofluoromethane				*102*	*85-118*			
1,2-Dichloroethane-d4				*103*	*87-122*			
Toluene-d8				*98*	*85-113*			
4-Bromofluorobenzene				*102*	*82-110*			

Laboratory Control Sample — Analyzed: 05/19/2014 By: LEW
Unit: ug/L — Analytical Batch: 4E20007

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Benzene		40.0	**39.3**	98	84-119	--		1.0
Chlorobenzene		40.0	**38.2**	96	84-118	--		1.0
1,1-Dichloroethene		40.0	**40.1**	100	77-123	--		1.0
Toluene		40.0	**39.0**	98	85-118	--		1.0
Trichloroethene		40.0	**37.0**	93	82-119	--		1.0

Continued on next page

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404719 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Laboratory Control Sample (Continued) Analyzed: 05/19/2014 By: LEW

Unit: ug/L Analytical Batch: 4E20007

Surrogates:		
Dibromofluoromethane	*102*	*85-118*
1,2-Dichloroethane-d4	*102*	*87-122*
Toluene-d8	*100*	*85-113*
4-Bromofluorobenzene	*101*	*82-110*

QC Batch: 1404824 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank Analyzed: 05/21/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22014

Acetone	<5.0			5.0
Benzene	<1.0			1.0
Bromodichloromethane	<0.25			0.25
Carbon Disulfide	<5.0		--	5.0
Carbon Tetrachloride	<1.0			1.0
Chlorobenzene	<1.0			1.0
2-Chloroethyl Vinyl Ether	<5.0			5.0
Chloroform	<0.25			0.25
Chloromethane	<1.0			1.0
1,2-Dichlorobenzene	<1.0		--	1.0
1,4-Dichlorobenzene	<1.0		--	1.0
1,1-Dichloroethane	<1.0			1.0
1,2-Dichloroethane	<1.0			1.0
1,1-Dichloroethene	<1.0			1.0
cis-1,2-Dichloroethene	<1.0			1.0
trans-1,2-Dichloroethene	<1.0			1.0
1,2-Dichloropropane	<1.0			1.0
Ethylbenzene	<1.0			1.0
2-Hexanone	<5.0			5.0
Methylene Chloride	<1.0		--	1.0
2-Butanone (MEK)	<5.0			5.0
Styrene	<1.0			1.0
1,1,2,2-Tetrachloroethane	<0.50			0.50
Tetrachloroethene	<1.0			1.0
Toluene	<1.0			1.0
1,1,1-Trichloroethane	<1.0			1.0
1,1,2-Trichloroethane	<1.0			1.0

Continued on next page

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Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 1404824 (Continued) 5030B Aqueous Purge & Trap/USEPA-8260B

Method Blank (Continued) Analyzed: 05/21/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22014

Trichloroethene			<1.0				1.0
Vinyl Chloride			<1.0				1.0
Xylene (Total)			<3.0				3.0
Surrogates:							
Dibromofluoromethane				*105*	*85-118*		
1,2-Dichloroethane-d4				*99*	*87-122*		
Toluene-d8				*101*	*85-113*		
4-Bromofluorobenzene				*101*	*82-110*		

Laboratory Control Sample Analyzed: 05/21/2014 By: LEW

Unit: ug/L Analytical Batch: 4E22014

Benzene		40.0	**39.8**	100	84-119	--	1.0
Chlorobenzene		40.0	**40.9**	102	84-118	--	1.0
1,1-Dichloroethene		40.0	**38.9**	97	77-123	--	1.0
Toluene		40.0	**40.1**	100	85-118	--	1.0
Trichloroethene		40.0	**39.6**	99	82-119	--	1.0
Surrogates:							
Dibromofluoromethane				*98*	*85-118*		
1,2-Dichloroethane-d4				*98*	*87-122*		
Toluene-d8				*99*	*85-113*		
4-Bromofluorobenzene				*98*	*82-110*		

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte: **Arsenic**/USEPA-6020A									
QC Batch: 1404548 (3020A Digestion)							Analyzed:	05/21/2014	By: DSC
Method Blank			<1.0	ug/L					1.0
Laboratory Control Sample		50.0	**47.5**	ug/L	95	80-120			1.0
1405217-01 [98-226A]									
Matrix Spike	2.35	50.0	**51.6**	ug/L	99	75-125			1.0
Matrix Spike Duplicate	2.35	50.0	**52.2**	ug/L	100	75-125	1	20	1.0
Analyte: **Iron**/USEPA-6010C									
QC Batch: 1404547 (3010A Digestion)							Analyzed:	05/20/2014	By: CKD
Method Blank			<10	ug/L					10
Laboratory Control Sample		400	**387**	ug/L	97	80-120			10
Analyte: **Manganese**/USEPA-6010C									
QC Batch: 1404547 (3010A Digestion)							Analyzed:	05/20/2014	By: CKD
Method Blank			<10	ug/L					10
Laboratory Control Sample		400	**388**	ug/L	97	80-120			10

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TRIMATRIX LABORATORIES

QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte: Carbon, Total Organic/SM 5310 C-2011									
QC Batch: 1404599 (Method Specific Preparation)							Analyzed:	05/15/2014	By: KAR
Method Blank			<0.50	mg/L					0.50
Laboratory Control Sample		2.00	**2.02**	mg/L	101	84-118			0.50
1405217-08 [98-223B]									
Matrix Spike	0.631	2.00	**2.70**	mg/L	103	75-124			0.50
Matrix Spike Duplicate	0.631	2.00	**2.67**	mg/L	102	75-124	1	20	0.50
QC Batch: 1404867 (General Inorganic Prep)							Analyzed:	05/21/2014	By: TOC
Method Blank			<0.50	mg/L					0.50
Laboratory Control Sample		2.00	**2.01**	mg/L	100	84-118			0.50
Analyte: Nitrogen, Nitrate/SM 4500-NO3 F-2011									
QC Batch: 1404542 (General Inorganic Prep)							Analyzed:	05/14/2014	By: CAC
Method Blank			<0.050	mg/L					0.050
Laboratory Control Sample		0.500	**0.535**	mg/L	107	90-110			0.050
Analyte: Sulfate/USEPA-9038									
QC Batch: 1404704 (General Inorganic Prep)							Analyzed:	05/19/2014	By: LMA
Method Blank			<5.0	mg/L					5.0
Laboratory Control Sample		20.0	**19.5**	mg/L	98	85-115			5.0

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Chain of Custody Record

COC No. 148224

Pg. 1 of 1

For Lab Use Only

Cart: 7

VOA Rack/Tray: 581G VOCS-388G RSK

Receipt Log No.: 5.16

Project Chemist:

Work Order No.: 1405217

Client Name: R. DAVID MURSCH

Address: 104 RIVERCLIFF DR

City, State Zip: CONNELLY SPRINGS NC 28612

Phone/Fax:

Email: davidmursch@earthlink.net

Project Name: PRR - OBP & BDA

Client Project No. / P.O. No.: 96-01

Invoice To: PRR ☐ Client ☐ Other (comments)

Contact/Report To: RDM

Analyses Requested: D D C B A — VOC, RSK, TOC, As/Fe/Mg, NO3/SO4

Container Type (corresponds to Container Packing List): 1 1 1 1 6 3

Number of Containers Submitted

PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Schedule	Matrix Code	Sample Number	Field Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix						Total	Sample Comments
		01	98-226A		5-13-14	0725			VW	2	2	3	1	1		
		02	98-225B			0800			VW	2	2	3	1	1		
		03	98-220A			0850			VW	2	2	3	1	1		
		04	IW-9			0905			VW	2	2	3	1	1		
		05	TRIP BLANK #2			—			VW	1	—	—	—	—		
		06	96-203A			1015			VW	2	2	3	1	1		
		07	98-223A			1045			VW	2	2	3	1	1		
		08	98-223B			1115			VW	2	2	3	1	1		
		9														
		10														

Sampled By (print): R. DAVID MURSCH

Sampler's Signature:

How Shipped? Hand ___ Carrier Fed Ex

Tracking No.:

Company:

Comments:

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time

1. Received By	Date	Time	2. Received By	Date	Time	3. Received For Lab By	Date	Time
							5.14.14	084

WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

SAMPLE RECEIVING / LOG-IN CHECKLIST

TRIMATRIX LABORATORIES

Client: R. David Mursch
Receipt Record Page/Line #: 5.16
Work Order #: 405217
New / Add To
Project Chemist | Sample #s

Recorded by (initials/date): WC 5.14.14
☑ Cooler ☐ Box ☐ Other
Qty Received: 1
Thermometer Used: ☑ IR Gun (#202) ☐ Digital Thermometer (#54) ☐ Other (#_____)
☐ See Additional Cooler Information Form

Cooler #	Time	Custody Seals	Coolant Location	Coolant/Temperature Taken Via	Alternate Temperature Taken Via
Tm 3382	1115	☑ None ☐ Present / Intact ☐ Present / Not Intact	(Dispersed) / Top / Middle / Bottom	☑ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☑ Temperature Blank (TB) ☐ 1 Container
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container
		☐ None ☐ Present / Intact ☐ Present / Not Intact	Dispersed / Top / Middle / Bottom	☐ Loose Ice / Avg 2-3 containers ☐ Bagged Ice / Avg 2-3 containers ☐ Blue Ice / Avg 2-3 containers ☐ None / Avg 2-3 containers	☐ Temperature Blank (TB) ☐ 1 Container

Cooler #	Recorded °C	Correction Factor °C	Actual °C
Temp Blank	–		2.1
TB location: (Representative) / Not Representative			
1	2.6	–	2.6
2	3.1	–	3.1
3	2.6	–	2.6
Average °C			2.8
☑ Cooler ID on COC?			
☑ VOC Trip Blank received?	(2)		

Cooler #	Recorded °C	Correction Factor °C	Actual °C
Temp Blank			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			
☐ Cooler ID on COC?			
☐ VOC Trip Blank received?			

Cooler #	Recorded °C	Correction Factor °C	Actual °C
Temp Blank			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			
☐ Cooler ID on COC?			
☐ VOC Trip Blank received?			

Cooler #	Recorded °C	Correction Factor °C	Actual °C
Temp Blank			
TB location: Representative / Not Representative			
1			
2			
3			
Average °C			
☐ Cooler ID on COC?			
☐ VOC Trip Blank received?			

If any shaded areas checked, complete Sample Receiving Non-Conformance and/or Inventory Form

Paperwork Received

Yes / No
- ☐ ☐ Chain of Custody record(s)? If No, Initiated By _____
- ☐ ☐ Received for Lab Signed/Date/Time?
- ☐ ☐ Shipping document?
- ☐ ☐ Other _____

COC Information

☑ TriMatrix COC ☐ Other _____

COC ID Numbers:

Check COC for Accuracy

Yes / No
- ☐ ☐ Analysis Requested?
- ☐ ☐ Sample ID matches COC?
- ☐ ☐ Sample Date and Time matches COC?
- ☐ ☐ Container type completed on COC?
- ☐ ☐ All container types indicated are received?

Check Sample Preservation

N/A / Yes / No
- ☐ ☐ ☐ Average sample temperature ≤6° C?
- ☐ ☐ ☐ Was thermal preservation required?
- ☐ ☐ ☐ If "No", Project Chemist Approval Intials: _____
- ☐ ☐ ☐ If "Yes" Completed Non Con Cooler - Cont Inventory Form?
- ☐ ☐ ☐ Completed Sample Preservation Verification Form?
- ☐ ☐ ☐ Samples chemically preserved correctly?
- ☐ ☐ ☐ If "No", added orange tag?
- ☐ ☐ ☐ Received pre-preserved VOC soils? ☐ MeOH ☐ Na_2SO_4

Check for Short Hold-Time Prep/Analyses

- ☐ Bacteriological
- ☐ Air Bags
- ☐ EnCores / Methanol Pre-Preserved
- ☐ Formaldehyde/Aldehyde
- ☑ Green-tagged containers
- ☐ Yellow/White-tagged 1L ambers (SV Prep-Lab)

AFTER HOURS ONLY:
COPIES OF COC TO LAB AREA(S)
- ☐ NONE RECEIVED
- ☑ RECEIVED, COCs TO LAB(S)

Sample Condition Summary

N/A / Yes / No
- ☐ ☐ ☐ Broken containers/lids?
- ☐ ☐ ☐ Missing or incomplete labels?
- ☐ ☐ ☐ Illegible information on labels?
- ☐ ☐ ☐ Low volume received?
- ☐ ☐ ☐ Inappropriate or non-TriMatrix containers received?
- ☐ ☐ ☐ VOC vials / TOX containers have headspace?
- ☐ ☐ ☐ Extra sample locations / containers not listed on COC?

Notes

☐ Trip Blank received ☐ Trip Blank not listed on COC

Cooler Received (Date/Time)	Paperwork Delivered (Date/Time)	≤1 Hour Goal Met?
5.14.14 0840	5.14.14 1125	Yes / (No)

TRIMATRIX LABORATORIES

SAMPLE PRESERVATION VERIFICATION FORM

page 1 of 1

Client: R. David Mursch	Work Order #: 1405217
Receipt Log #: 5-16 / Completed By (initials/date): WC 5-14-14	Project Chemist:

COC ID # 48224			Adjusted by: ____ Date: ____		DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5 / 23	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		6-8	<2	<2	
COC Line #1					✓	✓		
COC Line #2					✓	✓		
COC Line #3					✓	✓		
COC Line #4					✓	✓		
COC Line #5								
COC Line #6					✓	✓		
COC Line #7					✓	✓		
COC Line #8					✓	✓		
COC Line #9					✓	✓		
COC Line #10								

Comments

Ph Strip Lot #: HC389101

Aqueous Samples: For each sample and container type, check the box if pH is acceptable. If pH is not acceptable for any sample container, record pH in box, and note on Sample Receiving Checklist and on Sample Receiving Non-Conformance Form. If approved by Project Chemist, add acid or base to the sample to achieve the correct pH. Add up to, but do not exceed 2x the volume initially added at container prep (see table below for initial volumes used). Add orange pH tag to sample container and record information requested. Record adjusted pH on this form. Do not adjust pH for container types 3, 6, and 15.

COC ID #			Adjusted by: ____ Date: ____		DO NOT ADJUST pH FOR THESE CONTAINER TYPES			
Container Type	5 / 23	4	13		3	6	15	
Tag Color	Lt. Blue	Blue	Brown		Green	Red	Red Stripe	
Preservative	NaOH	H_2SO_4	H_2SO_4		None	HNO_3	HNO_3	
Expected pH	>12	<2	<2		6-8	<2	<2	
COC Line #1								
COC Line #2								
COC Line #3								
COC Line #4								
COC Line #5								
COC Line #6								
COC Line #7								
COC Line #8								
COC Line #9								
COC Line #10								

Comments

Container Size (mL)	Original Vol. of Preservative (mL)
Container Type 5	NaOH
500	2.5
1000	5.0
Container Type 4	H_2SO_4
125	0.5
250	1.0
500	2.0
1000	4.0
Container Type 13	H_2SO_4
500	2.5

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: **Prairie Ronde Realty**
Location: **Dowagiac, MI**
Sampling Point: TW-1
Date: 5-14-14
1130

WELL INFORMATION:

Total well depth (feet): 30
- Depth to water in well (feet):
= Water column (feet):
Screen length (feet): 5

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 28 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1114	0	—	0	—	5.98	1290	78	1.14	13.4
1119	5	—	1400	280	6.42	1180	31	0.32	13.4
1122	3	—	2300	300	6.43	1190	24	0.25	13.4
1125	3	—	3100	285	6.44	1200	15	0.22	13.4
1128	3	—	4050	300	6.45	1220	16	0.20	13.4
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	

GENERAL

Weather: cloudy, 65°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: **Prairie Ronde Realty**
Location: **Dowagiac, MI**
Sampling Point: IW-1
Date: 5-14-14
1030

WELL INFORMATION:

Total well depth (feet): 54
- Depth to water in well (feet):
= Water column (feet):
Screen length (feet): 5

Well diameter (inches): 1 | 2 | 4 (circled) CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 (circled) Port

Pump intake depth (feet): 52 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: Gray

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1003	0	—	0	—	6.60	1160	87	0.47	13.1
1008	5	—	3,400	680	6.44	1350	69	0.21	13.0
1013	5	—	2,400	480	6.45	1360	72	0.13	13.1
1018	5	—	2,200	440	6.46	1340	62	0.11	13.1
1023	5	—	—	—	6.50	1300	63	0.10	13.1
1026	3	—	1400	465	6.53	1250	59	0.09	13.1
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	

GENERAL

Weather: cloudy, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: **Prairie Ronde Realty**
Location: **Dowagiac, MI**
Sampling Point: 97-214B
Date: 5-14-14

TAG 1105

WELL INFORMATION:

Total well depth (feet):
- Depth to water in well (feet): 20.96
= Water column (feet):
Screen length (feet):

Pump intake depth (feet):

All depths are from top of well riser.

Well diameter (inches):	1	2	4	CMT
Volume factor (gallons per foot):	0.01	0.16	0.65	Port

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1048	0	21.09	0	—	7.29	614	18	0.80	13.4
1053	5	21.08	1400	280	7.21	601	12	0.29	13.3
1056	3	21.08	2200	300	7.21	604	10	0.23	13.3
1059	3	21.08	3200	300	7.23	638	9	0.20	13.3
1102	3	—	4100	300	7.23	469	10	0.18	13.3
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	

GENERAL

Weather: cloudy, 65°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: R. Mursch

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: **Prairie Ronde Realty**
Location: **Dowagiac, MI**
Sampling Point: TW2-4
Date: 5-14-14

WELL INFORMATION:

0840

Total well depth (feet): 30
- Depth to water in well (feet):
= Water column (feet):
Screen length (feet): 5
Pump intake depth (feet): 18

Well diameter (inches): 1 (circled) | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 (circled) | 0.16 | 0.65 | Port

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump
Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
0824	0	–	0	–	7.53	609	15	0.83	13.5
0829	5	–	1400	280	7.56	612	7	0.32	13.5
0832	8	–	2400	335	7.57	613	5	0.26	13.4
0835	11	–	3400	335	7.57	614	3	0.22	13.4
0838	14	–			7.57	614	2	0.20	13.4
Criteria Range, ±:					0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	

GENERAL

Weather: cloudy, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

R. David Mursch, P.E. *Geotechnical and Environmental Engineer*	**GROUNDWATER FIELD**	Site Name: **Prairie Ronde Realty** Location: **Dowagiac, MI**

R. David Mursch, P.E.
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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 96-202B
Date: 1935

WELL INFORMATION:

Total well depth (feet): 63
- Depth to water in well (feet): 24.62
= Water column (feet):
Screen length (feet): 10

Pump intake depth (feet): 58 All depths are from top of well riser.

Well diameter (inches): 1 2 4 CMT
Volume factor (gallons per foot): 0.01 0.16 0.65 Port

Purge Method and Materials: Low-flow purging with peristaltic pump
Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1919	0	24.64	0	—	7.38	589	0	1.33	13.8
1924	5	24.66	1400	280	7.26	598	0	0.41	13.7
1927	3	24.66	2200	265	7.26	600	0	0.33	13.6
1930	3	24.66	3000	265	7.24	600	0	0.29	13.6
1933	3	—	3900	300	7.26	601	0	0.25	13.6
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Cloudy, 80°
Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan
Comments:
Sampler(s)/Signature: R. Mursch

R. David Mursch, P.E.
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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: OO-216A
Date: 5-13-14
1430

WELL INFORMATION:

Total well depth (feet): 35
- Depth to water in well (feet): 24.31
= Water column (feet):
Screen length (feet): 10

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 32 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: stained orange

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1416	0	24.78	0	—	7.29	566	195	0.66	12.4
1421	5	24.67	1500	300	7.34	567	10	0.29	12.3
1424	3	—	2500	335	7.33	566	3	0.27	12.3
1427	3	24.66	3600	333	7.34	567	0	0.22	12.3
1430	3	—	4400	265	7.34	567	0	0.21	12.3
Criteria Range, ±:					0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy - 65°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 98-218B
Date: 5-12-14

WELL INFORMATION:

1410

Total well depth (feet): 45
- Depth to water in well (feet): 28.36
= Water column (feet):
Screen length (feet): 5

Well diameter (inches): 1 | ~~2~~ | 4 | CMT
Volume factor (gallons per foot): 0.01 | ~~0.16~~ | 0.65 | Port

Pump intake depth (feet): 42.5 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1352	0	28.37	0	—	7.39	582	6	0.93	12.8
1357	5	28.36	1400	280	7.34	586	51	0.38	12.6
1400	3	—	2100	235	7.34	587	1	0.33	12.6
1403	3	28.36	2900	265	7.32	587	0	0.28	12.5
1406	3	—	3600	235	7.34	588	0	0.27	12.5
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 70°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 98-221 A
Date: 5-12-14
0920

WELL INFORMATION:

Total well depth (feet): 30
- Depth to water in well (feet): 17.36
= Water column (feet):
Screen length (feet): 10

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 25

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear - orange stain

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
0917	0	17.38	0	—	7.48	299	30	1.87	12.8
0922	5	17.36	1,500	300	7.33	298	17	1.25	12.7
0927	3	17.36	2,400	300	7.28	297	11	1.13	12.6
0932	3	17.36	3,300	300	7.27	295	2	1.01	12.6
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Hard Rain, 70°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: B-224A
Date: 5-12-14

WELL INFORMATION:

TAG 1145

Total well depth (feet): _____
- Depth to water in well (feet): 17.56
= Water column (feet): _____
Screen length (feet): _____

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): _____ All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1132	0	17.58	0	—	7.20	556	2	1.98	12.1
1137	5	17.57	1200	260	7.08	543	0	1.67	12.0
1140	3	17.57	2000	285	7.06	535	0	1.76	11.8
1143	3	—	2800	265	7.05	532	0	1.65	11.9
~~1146~~	~~3~~								
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 75°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments: _____

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 98-224B
Date: 5-13-14

WELL INFORMATION:

12090

Total well depth (feet): 42
- Depth to water in well (feet): 16.72
= Water column (feet):
Screen length (feet): 10

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 37 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1148	0	16.76	0	—	7.29	599	7	0.98	12.5
1153	5	—	1700	340	7.29	602	5	0.29	12.6
1156	3	16.76	2,700	335	7.29	602	4	0.25	12.6
1159	3	16.76	3,800	335	7.30	603	0	0.21	12.6
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 75°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

Geotechnical and Environmental Engineer
104 Rivercliff Drive *Connelly Springs, NC 28612*
phone (828) 234-5906

GROUNDWATER FIELD SAMPLING REPORT

Location: Dowagiac, MI
Sampling Point: 02-02
Date: 5-12-11
1740

WELL INFORMATION:

Total well depth (feet): 32
- Depth to water in well (feet): 15.28
= Water column (feet):
Screen length (feet): 5

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 27.5 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1721	0	15.41	0	—	7.40	613	62	1.21	12.5
1732	5	15.41	1500	300	7.33	609	5	0.30	12.0
1735	3	15.41	2,500	335	7.31	609	0	0.26	12.0
1738	3	15.41	—	—	7.30	608	0	0.23	12.0
1740	2	—	600	300	7.31	609	0	0.22	12.0
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 85°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

R. David Mursch, P.E.
Geotechnical and Environmental Engineer
104 Rivercliff Drive Connelly Springs, NC 28612
phone (828) 234-5906

GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 02-03
Date: 5-13-14

WELL INFORMATION:

1520

Total well depth (feet): ~~23.5~~ 64
- Depth to water in well (feet): 23.54
= Water column (feet):
Screen length (feet): 5

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 61.5 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1506	0	23.56	0	—	7.64	602	4	2.82	12.0
1511	5	23.55	1300	260	7.43	602	0	0.99	12.4
1516	3	23.55	—	—	7.29	601	0	0.41	11.9
1519	3	23.55	3000	500	7.28	602	0	0.21	11.9
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 65°, Rain

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

R. David Mursch, P.E.
Geotechnical and Environmental Engineer
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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: CZ-04
Date: 5-[illegible]-14
1540

WELL INFORMATION:

Total well depth (feet): 33.42
- Depth to water in well (feet): 24.12
= Water column (feet):
Screen length (feet): 5

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 29.5 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1525	0	24.14	0	—	7.36	583	1	1.21	11.6
1530	5	24.14	1400	280	7.31	585	0	0.46	11.6
1533	3	[illegible]	[illegible]	265	7.29	585	0	[illegible]	[illegible]
1536	3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0.32	[illegible]
1539	3	—	2800	265	[illegible]	[illegible]	0	[illegible]	[illegible]
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Cloudy, 65°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: OS-14
Date: 5-13-14

WELL INFORMATION:

1500

Total well depth (feet): 70
- Depth to water in well (feet): 23.94
= Water column (feet):
Screen length (feet): 5

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 27.5 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: Clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
[illegible]	0	23.96	0	—	7.15	1070	29	1.51	[illegible]
[illegible]	[illegible]	23.92	1500	200	7.15	1110	4	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	2800	265	7.15	[illegible]	[illegible]	1.22	[illegible]
[illegible]		—	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Cloudy, 70°, Rain

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: OS-15
Date: 5-12-14

WELL INFORMATION:

1803

Total well depth (feet): 25
- Depth to water in well (feet): 18.06
= Water column (feet):
Screen length (feet): 5

Pump intake depth (feet): 22.5 All depths are from top of well riser.

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Purge Method and Materials: Low-flow purging with peristaltic pump
Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1750	0	18.09	0	—	7.32	470	0	7.60	12.4
1755	5	18.11	1200	240	7.30	468	0	7.40	12.3
1758	3	—	—	—	7.30	469	0	7.35	12.3
1801	3				7.30	468	0	7.35	12.3
1804	3								
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy - 85°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 06-17/1
Date: 5-12-14
1900

WELL INFORMATION:

Total well depth (feet): 30
- Depth to water in well (feet): 21.51
= Water column (feet):
Screen length (feet): —

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet): 30 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1845	0	—	0	—	7.36	623	19	1.37	14.4
1850	5	—	1,500	300	7.32	624	15	0.36	13.8
1853	3	—	2,500	335	7.31	624	3	0.29	13.8
1856	3	—	3,400	300	7.31	624	0	0.25	13.7
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 80°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: OL-17 /2
Date: 5-17-14
1915

WELL INFORMATION:

Total well depth (feet): 45
- Depth to water in well (feet):
= Water column (feet):
Screen length (feet): —

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet): 45 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1900	0	—	0	—	7.32	627	10	1.41	13.7
1905	5	—	1400	280	7.27	628	0	0.30	13.8
1908	3	—	2,200	265	7.25	629	0	0.24	13.8
1911	3	—	3,100	300	7.26	629	0	0.22	13.8
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 80°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: OG-19 /1
Date: 5-13-14

1345

WELL INFORMATION:

Total well depth (feet): 25
- Depth to water in well (feet): 13.24
= Water column (feet):
Screen length (feet):

Well diameter (inches): 1 | 2 | 4 | OMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet):

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1329	0	—	0	—	7.51	196	241	4.36	12.4
1334	5	1,500	300		7.87	180	24	4.37	12.8
1337	3	2,400	300		7.94	179	5	4.50	12.7
1340	3	3,400	335		7.93	178	2	4.57	12.6
~~1343~~	~~3~~								
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 70°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 06-19/2
Date: 5-13-14

1325

WELL INFORMATION:

Total well depth (feet): 40
- Depth to water in well (feet):
= Water column (feet):
Screen length (feet):

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet):

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1314	0	—	0	—	7.25	604	61	0.90	13.2
1319	5	—	1,400	280	7.26	6100	116	0.26	13.4
1322	3	—	2,200	265	7.25	600	18	0.21	13.5
1325	3	—	3000	265	7.24	6021	5	0.19	13.5
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 70°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 06-19 / 3
Date: 5-13-14

WELL INFORMATION:

1310

Total well depth (feet): 65
- Depth to water in well (feet):
= Water column (feet):
Screen length (feet):

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet):

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1259	0	—	0	—	7.36	623	282	1.08	13.7
1304	5	—	1,600	320	7.29	635	47	0.29	13.5
1307	3	—	2,400	265	7.28	637	13	0.25	13.4
1310	3	—	3200	265	7.27	637	4	0.22	13.4
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 70°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 06-20 / 1
Date: 5-12-14
1615

WELL INFORMATION:

Total well depth (feet): 15
- Depth to water in well (feet): 7.51
= Water column (feet):
Screen length (feet): —

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet): 15 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1600	0	—	0	—	7.65	70	145	6.52	11.4
1605	5	—	1400	280	7.67	66	121	5.86	11.4
1608	3	—	2,200	335	7.68	65	82	5.87	11.3
1611	3	—	3,300	365	7.73	64	17	5.85	11.3
~~1614~~	3								
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 80

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: D6-20/2
Date: 5-12-14

WELL INFORMATION:

1630

Total well depth (feet): 30
- Depth to water in well (feet): —
= Water column (feet):
Screen length (feet): —

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet): 30 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1615	0	—	0	—	7.43	150	15	6.07	12.0
1621	6	—	1,900	335	7.90	160	1	6.63	12.2
1624	3	—	2,800	300	7.96	160	0	6.68	12.2
1627	3	—	3,900	365	8.01	161	0	6.75	12.2
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 85°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 106-20/3
Date: 5-12-14

WELL INFORMATION:

1645

Total well depth (feet): 45
- Depth to water in well (feet): —
= Water column (feet): —
Screen length (feet): —

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet): 45 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1631	0	—	0	—	7.32	599	11	0.92	12.6
1636	5	—	1,400	280	7.28	606	5	0.31	12.7
1639	3	—	2,300	300	7.27	607	1	0.26	12.8
1642	3	—	3,100	265	7.26	609	0	0.23	12.8
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Sunny - 85°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: DG-20/41
Date: 5-12-11

WELL INFORMATION:

1655

Total well depth (feet): 60
- Depth to water in well (feet): —
= Water column (feet): —
Screen length (feet): —

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet): 40 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1640	0	—	0	—	7.35	608	4	0.52	12.9
1649	3	—	1,000	333	7.36	611	5	0.29	13.0
1652	3	—	1,900	300	7.37	613	2	0.22	13.0
1655	3	—	2,800	300	7.37	613	1	0.19	13.0
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Cloudy, 8°C

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: IW-11
Date: 5-12-14

WELL INFORMATION:

2000

Total well depth (feet): 50
- Depth to water in well (feet): 22.95
= Water column (feet):
Screen length (feet): 5

Pump intake depth (feet): 47.1

All depths are from top of well riser.

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1943	0	22.97	0	—	7.38	545	3	1.35	13.0
1946	5	22.97	1,100	220	7.37	542	0	0.35	12.9
1951	3	—	2,500	300	7.37	541	0	0.27	12.9
1954	3	22.97	3,500	335	7.37	541	0	0.24	12.9
1957	3	—	4,500	335	7.37	541	0	0.22	12.9
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Cloudy, 85°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

R. David Mursch, P.E.
Geotechnical and Environmental Engineer
104 Rivercliff Drive *Connelly Springs, NC 28612*
phone (828) 234-5906

GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: TW-14
Date: 5-12-14

WELL INFORMATION:

Total well depth (feet): 45
- Depth to water in well (feet): ~~18.04~~ NA
= Water column (feet):
Screen length (feet): 5

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 42

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color:

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1821	0	18.02	0	—	7.44	581	4	1.25	13.8
1826	5	17.94	1,700	340	7.36	599	0	0.37	13.8
1829	3	17.94	2,800	300	7.35	602	0	0.28	13.7
1832	3	17.94	3,800	335	7.34	603	0	0.24	13.7
1835	3	—	4,800	335	7.34	604	0	0.22	13.7
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 85°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

R. David Mursch, P.E.
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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 83-21
Date: 5-14-14
1440

WELL INFORMATION:

Total well depth (feet): 22
- Depth to water in well (feet): 8.30
= Water column (feet):
Screen length (feet): 3

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 20.5 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: Clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1420	0	8.42	0	—	7.48	527	4	2.37	10.1
1421	5	8.41	1800	360	7.59	526	3	3.91	10.1
1424	3	8.41	1800	225	7.50	526	2	4.40	10.1
1427	3	—	2700	900	7.46	527	0	4.58	10.1
Criteria Range, ±:					0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Rain, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: S3-21B
Date: 5-14-14

WELL INFORMATION:

1505

Total well depth (feet): 47
- Depth to water in well (feet): 8.64
= Water column (feet):
Screen length (feet): 3

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 45.5 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1452	0	16.81	0	—	7.53	531	5	0.26	10.4
1457	5	16.69	1100	220	7.57	541	3	0.40	10.4
1500	3	16.54	1700	200	7.54	551	4	0.40	10.4
1503	3	16.41	2400	235	7.50	563	2	0.39	10.4
			Pre-purge - to draw down 40 + 17 feet						
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: clear, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 83-28A
Date: 5-14-10

WELL INFORMATION:

66 6-2.35

Total well depth (feet): 21
- Depth to water in well (feet): 3.61
= Water column (feet):
Screen length (feet): 3

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

1350

Pump intake depth (feet): 19.5 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1339	0	4.00	0	–	8.08	520	4	0.78	9.6
1344	5	3.93	1800	360	7.60	540	2	0.27	9.5
1347	3	3.93	2800	335	7.46	546	1	0.21	9.5
1350	3	3.93	3900	365	7.46	549	1	0.18	9.4
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 60°, rain

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 83-28B
Date: 5-14-14

WELL INFORMATION:

1412

Total well depth (feet): 57
- Depth to water in well (feet): 3.53
= Water column (feet):
Screen length (feet): 2

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 55.5 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1358	0	6.29	0	—	7.68	530	2	0.27	10.6
1403	5	6.16	1,400	280	7.62	535	2	0.20	10.4
1406	3	6.10	2500	335	7.51	538	2	0.18	10.3
1409	3	6.09	3400	300	7.45	539	1	0.17	10.4
1412									
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: RAIN, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 97-212B
Date: 5-15-14

WELL INFORMATION:

0805

Total well depth (feet): 53
- Depth to water in well (feet): 6.63
= Water column (feet):
Screen length (feet): 10
Pump intake depth (feet): 48

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump
Purge Water Color:

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
0745	0	6.63	0	—	7.48	579	10	5.23	10.0
0723	5	6.63	1800	360	7.30	544	3	0.78	10.2
0726	3	—	2800	345	7.28	602	2	0.46	10.2
0729	3	6.63	3450	345	7.25	603	1	0.32	10.3
0802	3	—	4400	325	7.25	604	1	0.24	10.4
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Rain, 40s

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan
Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 97-212,B
Date: 5-15-14

WELL INFORMATION:

0740

Total well depth (feet): 42
- Depth to water in well (feet): 10.17
= Water column (feet):
Screen length (feet): 10

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 37 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear / orange stain

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
0722	0	10.20	0	—	7.37	650	334	1.21	9.5
0727	5	10.19	1400	280	7.32	654	87	0.51	9.7
0730	3	—	2000	200	7.26	647	70	0.46	9.6
0733	3	10.19	2,800	265	7.29	628	173	0.48	[illegible]
0736	3	10.19	3,400	335	7.31	626	142	0.27	9.9
0739	3	—	4,000	335	7.31	618	122	0.23	10.0
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Rain, 50°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 98-244A
Date: 5-15-11

WELL INFORMATION:

0715

Total well depth (feet): 32
- Depth to water in well (feet): 8.81
= Water column (feet):
Screen length (feet): 10

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 27 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear/orange stain

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
0658	0	8.88	0	—	7.43	606	113	1.47	8.8
0703	5	8.87	1,700	340	7.35	603	95	0.70	8.9
0706	3	8.87	2800	335	7.32	602	67	0.60	8.9
0709	3	8.87	3900	335	7.34	603	63	0.50	9.0
0712	3	—	4900	335	7.32	603	28	0.47	9.0
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Rain, 50

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 98-245-A
Date: 5-14-14

WELL INFORMATION:

1375

Total well depth (feet): 37
- Depth to water in well (feet): 6.88
= Water column (feet):
Screen length (feet): 10

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 27 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1308	0	6.91	0	—	7.38	543	3	0.72	10.3
1313	5	6.90	1800	360	7.34	545	1	0.30	10.3
1316	3	6.89	2800	335	7.33	545	1	0.24	10.3
1319	3	6.89	3800	335	7.34	545	10	0.21	10.3
1322	3	—							
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: R. Mursch

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 05-16
Date: 5-15-14

WELL INFORMATION:

OPSO

Total well depth (feet): 29
- Depth to water in well (feet): 21.75
= Water column (feet):
Screen length (feet): 5

Well diameter (inches): 1 / 2 / 4 CMT
Volume factor (gallons per foot): 0.01 / 0.16 / 0.65 Port

Pump intake depth (feet): 26 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
0817	0	21.75	0	—	7.48	492	2	6.06	10.[illegible]
0820	3	21.75	1,200	400	7.37	506	2	5.79	10.6
0823	6	—	2,600	265	7.35	511	2	5.84	10.6
0826	9	21.75	3,700	325	7.34	513	2	5.41	10.6
0829	12	—	4,600	300	7.34	512	2	4.89	10.6
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Rain

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Location: Dowagiac, MI
Sampling Point: 06-21/1
Date: 5-14-14
1305

WELL INFORMATION:

Total well depth (feet): 15
- Depth to water in well (feet): 9.68
= Water column (feet):
Screen length (feet): —

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet): 15 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1253	0	—	0	—	7.51	412	85	2.50	9.3
1256	3	—	1100	365	7.45	402	77	1.60	9.2
1259	3	—	1900	265	7.44	399	10	1.57	9.1
1302	3	—							
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 06-21 / 2
Date: 5-14-14
1750

WELL INFORMATION:

Total well depth (feet): 30
- Depth to water in well (feet):
= Water column (feet): —
Screen length (feet):

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

Pump intake depth (feet): 30 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1241	0	—	0	—	7.23	772	52	4.01	10.5
1244	3	—	1000	335	7.29	788	48	3.75	10.5
1247	3	—	2000	335	7.32	793	7	3.78	10.5
1250	3	—	2900	300	7.33	793	2	3.78	10.5
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 06-21 / 3
Date: 5-14-14

WELL INFORMATION:

1240

Total well depth (feet): 45
- Depth to water in well (feet):
= Water column (feet):
Screen length (feet): —

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

45 × 3 = 135 ml / 1.4 L

Pump intake depth (feet): 45

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1229	0	—	0	—	7.28	658	196	1.67	10.8
1232	3	—	1000	335	7.27	664	180	0.43	10.8
1235	6	—	2000	335	7.29	667	84	0.26	10.8
1238	9	—	3000	335	7.30	669	17	0.21	10.9
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: R. Mursch

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 06-21/4
Date: 5-14-14
1230

WELL INFORMATION:

Total well depth (feet): 60
- Depth to water in well (feet):
= Water column (feet):
Screen length (feet): —

Well diameter (inches): 1 | 2 | 4 | CMT Port
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65

60' ≈ 600 ml × 3 = 1.8 L

Pump intake depth (feet): 60 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1217	0	—	0	—	7.15	657	81	1.60	11.1
1220	3	—	1,000	335	7.26	656	122	0.46	11.0
1223	3	—	2,100	365	7.31	655	51	0.29	10.9
1226	3	—	3,100	335	7.33	655	33	0.24	10.9
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: cloudy, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

R. David Mursch, P.E.
Geotechnical and Environmental Engineer
104 Rivercliff Drive *Connelly Springs, NC 28612*
phone (828) 234-5906

GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: IW-18
Date: 5-14-11
1605

WELL INFORMATION:

Total well depth (feet): 49
- Depth to water in well (feet):
= Water column (feet):
Screen length (feet): 5

Pump intake depth (feet): 46.5

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1552	0	—	0	—	7.68	562	19	6.25	10.0
1557	5	—	1700	340	7.50	553	16	2.89	10.1
1600	3	—	2600	300	7.43	575	11	1.14	10.1
1603	3	—	800	265	7.41	590	5	0.62	10.1
1606	3	—	1700	300	7.40	599	7	0.54	10.1
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Rain, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

R. David Mursch, P.E.
Geotechnical and Environmental Engineer
104 Rivercliff Drive Connelly Springs, NC 28612
phone (828) 234-5906

GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: TW-70
Date: 5-14-14

1546

WELL INFORMATION:

Total well depth (feet): 70
- Depth to water in well (feet):
= Water column (feet):
Screen length (feet): 5
Pump intake depth (feet): 67

All depths are from top of well riser.

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Purge Method and Materials: Low-flow purging with peristaltic pump
Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1532	6	—	0	—	7.35	604	12	1.38	10.7
1538	5	—	1700	340	7.26	612	2	0.30	10.7
1541	3	—	2200	660	7.25	614	1	0.25	10.7
1544	3	—	—	—	7.25	616	1	0.21	10.7
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Rain, 60

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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SAMPLING REPORT

Sampling Point: IW-24
Date: 5-14-24
1525

WELL INFORMATION:

Total well depth (feet): 60
- Depth to water in well (feet): 2.60
= Water column (feet):
Screen length (feet): 5

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 57 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1513	0	2.60	0	—	7.40	570	9	0.89	10.4
1518	5	2.60	1700	340	7.35	578	66	0.21	10.[illegible]
1521	3	2.60	2200	265	7.35	578	30	0.16	10.4
1524	3	2.60	—	—	7.39	579	10	0.15	10.4
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	2	HCL	

GENERAL

Weather: Rain, 60°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 96-203A
Date: 5-13-14
1015

WELL INFORMATION:

Total well depth (feet): 26
- Depth to water in well (feet): 14.12
= Water column (feet):
Screen length (feet): 15

Well diameter (inches): 1 / 2 / 4 / CMT
Volume factor (gallons per foot): 0.01 / 0.16 / 0.65 / Port

Pump intake depth (feet): 24 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1000	0	14.16	0	—	7.37	541	0	1.10	11.8
1005	5	14.16	1,400	280	7.35	542	0	0.34	11.8
1008	3	—	—	—	7.33	545	0	0.26	11.8
1011	3	14.16	3,000	265	7.35	544	0	0.24	11.8
1014	3	—	3,900	300	7.33	544	0	0.22	11.8
				Criteria Range, ±:	0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	
DHC Filter	1	None	

GENERAL

Weather: cloudy, 75°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 98-222A
Date: 5-12-11

WELL INFORMATION:

1045

Total well depth (feet): 22
- Depth to water in well (feet): 8.38
= Water column (feet):
Screen length (feet): 10
Pump intake depth (feet): 18

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump
Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1038	0	8.42	0	—	7.38	245	7	5.27	10.9
1039									
1040	8	8.42	2400	300	7.05	332	0	3.20	11.1
1043	3	8.42	—	—	7.05	330	0	3.11	11.1
1046	3	8.42	4100		7.06	329	0	3.05	11.1
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	
DHC Filter	1	None	

GENERAL

Weather: cloudy 70°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 98 [illegible]
Date: [illegible]

WELL INFORMATION:

Total well depth (feet): 27
- Depth to water in well (feet): 8.43
= Water column (feet):
Screen length (feet): 10

Pump intake depth (feet): 42

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
1102	0	8.46	0	—	7.21	609	11	0.26	[illegible]
1108	2	8.45	1400	280	7.29	613	23	0.22	12.12
11	3	—	2100	245	7.29	615	4	0.28	12.12
1114	5	8.43	2,800	225	7.29	614	1	0.24	[illegible]
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	
DHC Filter	1	None	

GENERAL

Weather: Cloudy, 75°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [illegible]

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: QE-225B
Date: 5-13-14 0800

WELL INFORMATION:

Total well depth (feet): 29
- Depth to water in well (feet): 17.52
= Water column (feet):
Screen length (feet): 5
Pump intake depth (feet): 22

Well diameter (inches): 1 / 2 / 4 CMT Port
Volume factor (gallons per foot): 0.01 / 0.16 / 0.65

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump
Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
0742	0	17.60	0	—	7.32	595	2	1.14	13.1
0747	5	17.59	1,700	340	7.30	602	2	0.35	13.0
0750	3	17.59	2,600	300	7.29	623	2	0.26	13.0
0753	3	—	—	—	7.29	635	2	0.21	13.0
0756	3	—	900	300	7.29	643	2	0.19	12.9
Criteria Range, ±:					0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	
DHC Filter	1	None	

GENERAL

Weather: Heavy Rain, 70°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: 98-226-A
Date: 5-12-11

0725

WELL INFORMATION:

Total well depth (feet): 30
- Depth to water in well (feet): 17.36
= Water column (feet):
Screen length (feet): 20

Well diameter (inches): 1 | 2 | 4 | CMT
Volume factor (gallons per foot): 0.01 | 0.16 | 0.65 | Port

Pump intake depth (feet): 25 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: Clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
0707	0	17.39	0	~~0~~	7.40	595	112	0.77	12.8
0712	5	17.39	1500	300	7.32	595	107	0.48	12.3
0715	3	17.38	2300	265	7.28	597	36	0.39	12.2
0718	3	17.38	3200	300	7.31	1000	21	0.38	12.1
0721	3	—	4200	335	7.28	601	8	0.32	12.0
0724	3	—	—	—	7.26	603	2	0.31	12.9
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	
DHC Filter	1	None	

GENERAL

Weather: Rain, 70°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: [signature]

104 Rivercliff Drive Connelly Springs, NC 28612
davidmursch@earthlink.net (828) 234-5906

SAMPLING REPORT

Sampling Point: 98-226A
Date: 5-13-14
0830

WELL INFORMATION:

Total well depth (feet): 30
- Depth to water in well (feet): 17.36
= Water column (feet):
Screen length (feet): 10

Well diameter (inches): 1 2 4 CMT
Volume factor (gallons per foot): 0.01 0.16 0.65 Port

Pump intake depth (feet): 25 All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump

Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
0815	0	17.39	0	—	7.35	586	7	0.87	13.2
0820	5	—	1,600	320	7.32	588	4	0.79	13.1
0823	3	17.39	2,600	335	7.29	593	3	0.72	13.1
0826	3	17.39	—	—	7.30	601	4	0.19	13.1
0829	3	—	4,400	335	7.29	603	5	0.18	13.1
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	
DHC Filter	1	None	

GENERAL

Weather: Rain, 70°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature:

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GROUNDWATER FIELD SAMPLING REPORT

Site Name: Prairie Ronde Realty
Location: Dowagiac, MI
Sampling Point: IW-9
Date: 5-13-14

WELL INFORMATION:

0905

Total well depth (feet):
- Depth to water in well (feet): 17.40
= Water column (feet):
Screen length (feet):
Pump intake depth (feet):

Well diameter (inches): 1 2 4 CMT
Volume factor (gallons per foot): 0.01 0.16 0.65 Port

All depths are from top of well riser.

Purge Method and Materials: Low-flow purging with peristaltic pump
Purge Water Color: clear

FIELD MEASUREMENTS

Measuring Equipment: Horiba U-10, SN 404014

Time	Elapsed Time	Water Depth, ft	Total Volume Purged, ml	Purge Rate, ml/min	pH	Conductivity, µS/cm	Turbidity, NTU	Dissolved oxygen, mg/l	Temperature °C
0848	0	17.41	0	—	7.49	586	4	1.98	12.9
0853	5	17.41	1,500	300	7.37	576	2	0.43	12.7
0856	3	—	2,400	300	7.35	577	0	0.31	12.6
0859	3	17.41	3,300	300	7.32	579	0	0.25	12.6
0902	3	—	4,200	300	7.33	578	0	0.23	12.6
			Criteria Range, ±:		0.1	3%	10%	10%	

SAMPLES OBTAINED

CONTAINER TYPE AND VOLUME	NUMBER	PRESERVATIVE	OTHER (FILTERING, ETC.)
40 - Milliliter VOA	4	HCL	
40 - Milliliter VOA	3	H_2SO_4	
500 Milliliter HDPE	1	HNO_3	
1,000 Milliliter Glass	1	None	
DHC Filter	1	None	

GENERAL

Weather: RAIN 70°

Sample Handling/Shipment: To Trimatrix Laboratories in Grand Rapids, Michigan

Comments:

Sampler(s)/Signature: