November 17, 2009 003-3976.17

Mr. Buz Hendricks
Republic Services of Florida, LP
445A International Golf Parkway
St. Augustine, FL 32095

RE: NINE MILE ROAD C&D LANDFILL
SEMI-ANNUAL GROUNDWATER MONITORING RESULTS
OCTOBER 2009
FDEP PERMIT 0014747-013-SO

Dear Mr. Hendricks:

As requested by Republic Services of Florida, LP (Republic), Golder Associates Inc. (Golder) is pleased to present the August 2009 Semi-Annual Groundwater Monitoring Results for the Nine Mile Road C&D Landfill (the Site) in St. Augustine, Florida. This report covers the first semi-annual groundwater monitoring event for 2009 and includes the parameter list as required in Attachment 4 of the Notice of Permit (No. 0014747-013-SO) dated January 10, 2008, sent by Florida Department of Environmental Protection (FDEP) to Republic. A February 2009 semi-annual groundwater monitoring event was not conducted due to a request for a change to the parameter monitoring list. On August 28, 2009 an approval letter was received from FDEP eliminating the requirement to analyze samples from MW-5, MW-6, MW-8, CW-5, and CW-8 for the parameters listed in Chapter 62-701-510(8)(d) Florida Administrative Code. Groundwater samples from the detection wells (designated MW-3, MW-5, MW-7, MW-8, MW-10, MW-11, and MW-12), background wells (designated MW-6 and MW-9), compliance wells (designated CW-5, CW-5R[1], and CW-8), the assessment well (CW-8A), and the property boundary well (CW-5A) were collected by Golder personnel on August 27th and 28th, 2009. Verification samples were collected from MW-3, MW-10, CW-5, CW-5R, and CW-8 on September 30th, 2009. Analyses of the samples were performed by Environmental Conservation Laboratories, Inc. (ENCO) of Jacksonville, Florida. The following paragraphs briefly describe the work performed, a summary of results, and conclusions/recommendations.

WORK PERFORMED

Groundwater Sampling

In accordance with the FDEP Notice of Permit (No. 0014747-013-SO), detection wells MW-3, MW-5, MW-7, MW-8, MW-10, MW-11, and MW-12, compliance wells CW-5 and CW-8, background wells MW-6 and MW-9, and assessment well CW-8A were sampled for the routine list of parameters included as Attachment 4 of the above referenced permit, in addition to dibromochloropropane, for samples collected from MW-6, MW-8, and CW-8. Replacement well CW-5R was sampled for the same list of constituents as the Permit wells, while property boundary well CW-5A was sampled for select Florida Secondary Drinking Water Standard (FSDWS) constituents and sodium.

The sampling procedures were performed in accordance with FDEP's Standard Operating Procedures (DEP-SOP-001/01) for groundwater sampling (FS-2200). Wells were purged using a peristaltic pump with new, clean tubing dedicated to each well. During purging, measurements of pH, specific conductance, temperature, dissolved oxygen, and turbidity were made. The field sampling and calibration forms are included with this report as Attachment A. Following purging, all parameters were collected

[1] CW-5R is well located 100 feet from the limit of waste intended to replace compliance well CW-5 which is located less than 100 feet from the limit of waste. It is Republic's intention that CW-5 be abandoned and that CW-5R become a permanent compliance well.

directly from the tubing using the peristaltic pump, with the exception of volatile organic compounds (VOCs). VOCs were collected by removing the tubing from the well and reversing the flow allowing the groundwater to steadily pour into the sample container. Following their collection, samples were cooled to less than 4 degrees Celsius and transported to ENCO under standard chain-of-custody procedures.

Consistent with previous sampling procedures at Nine Mile Road, filtered metal samples were collected for samples with turbidity values greater than 10 Nephelometric Turbidity Units (NTU) or for wells with historical metal detections above drinking water standards, for comparison to the total metal concentration.

Quality Assurance/Quality Control

Groundwater sampling and quality assurance/quality control procedures were conducted in accordance with FDEP SOPs (DEP-SOP-001/01) for groundwater sampling (FS 2200) and for quality control requirements (FQ 1000). A trip blank was analyzed for EPA Method 8260 volatile organics and an equipment blank was collected from the sampling equipment and analyzed to satisfy the quality assurance/quality control (QA/QC) requirements listed in DEP-SOP-001/01 FQ-1000. A duplicate sample was collected to review the reliability of the laboratory data. Samples were delivered under chain of custody consistent with Florida SOPs and analyzed by a NELAC certified laboratory. The laboratory data were reviewed to ensure Laboratory Control Sample (LCS), Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were within accuracy and precision, and to determine if hold times were met, the correct methods were used, and the appropriate reporting limits were achieved.

The review indicated that all criteria were met, with the exception of the following. Methylene chloride was detected above the practical quantization limit (PQL) in the laboratory blank, MW-8, CW-8, CW-5R, equipment blank, and the trip blank for report B903940. However, methylene chloride is a standard laboratory contaminant. Spike recovery for the MS and MDS were outside acceptable limits for ammonia. However, the LCS values were within acceptable ranges, therefore this data was accepted. The calibration verification standard for arsenic exhibited high bias in the equipment blank for report B904529. However, since the result was non-detect, the impact on the data quality is considered minimal.

Water Level Measurements

Water level measurements from detection, background, compliance, and assessment wells, piezometers PZ-1 and PZ-2, the north and south ditch measurement points and the south pond, were made on August 27th, 2009. Note that compliance wells CW-3 and CW-7 have remained in use as water level measurement points only, as per the requirements of the referenced permit. Groundwater flow continues to be towards the southwest. The groundwater elevation for MW-10 was higher than what would be appropriate based upon adjacent monitoring wells but consistent with the August 2008 measurement for this well. There was no indication of ponding or other obvious reason for an elevated water level at MW-10. The groundwater level contour map produced using the August 27th, 2009 measurements is included with this report as Attachment B. Groundwater elevation measurements and top-of-casing elevation data is included in Table 1. Well construction data is included in Table 2.

SUMMARY OF RESULTS

Field Parameters

Field parameters were generally consistent with historical data with the exception of specific conductance. Significant increases were recorded for wells MW-3, MW-5, MW-10, CW-5, CW-5R, and CW-8. The table below provides a comparison of specific conductance values for samples collected in August 2008, August 2009, and verification samples collected in September 2009. All values are in units of mircroSiemens per centimeter (µS/cm). Well MW-5 was not resampled in September 2009.

	August-08	August-09	September-09
MW-3	897	2059	1937
MW-5	379	2452	NA
MW-10	1245	2903	2645
CW-5	588	3033	2873
CW-5R	667	2983	2795
CW-8	400	3505	2897

NA - Not Analyzed

Groundwater Results

A summary of detected parameters is presented in Table 3. Attachment C presents the ADaPT data package, and Attachment D includes the laboratory's standard reports. The Groundwater Monitoring Report, Form as per Chapter 62-522.900(11) F.A.C., is provided in Attachment E. The following presents an evaluation of the analytical results from the sampling event:

Primary Drinking Water Standards

- Sodium - The concentration of sodium reported for the groundwater samples collected from detection well MW-10 (212 milligram per liter [mg/l]), compliance well CW-5 (231 mg/l), and replacement well CW-5R (245 mg/l) were above the Florida Primary Drinking Water Standard (FPDWS) of 160 mg/l. However, verification samples collected on September 30, 2009 indicate reduced sodium concentrations for CW-5 (220 mg/l) and CW-5R (230 mg/l), and a similar concentration for MW-10 (212 mg/l). Historical data indicate that sodium concentrations in MW-5, MW-8, CW-5, and CW-8 have generally remained slightly above to slightly below the FPDWS.

- Arsenic - The arsenic concentration was above the FPDWS of 0.010 mg/l for the groundwater samples collected from detection wells MW-3 (0.0326 mg/l), MW-7 (0.0166 mg/l), MW-8 (0.0542 mg/l), MW-10 (0.131 mg/l), MW-11 (0.0176 mg/l), and MW-12 (0.0109 mg/l), replacement well CW-5R (0.0111 mg/l), compliance well CW-8 (0.061 mg/l), and assessment well CW-8A (0.0109 mg/l). However, verification samples collected on September 30, 2009 indicate reduced arsenic concentrations for MW-10 (0.0284 mg/l) and CW-8 (0.0567 mg/l). Historically, arsenic has been detected near or above the FPDWS in detection wells MW-7, MW-8, MW-10, and MW-12, compliance well CW-8, and background well MW-6.

- Benzene - The FPDWS for benzene (1.0 micrograms per liter [µg/l]) was exceeded in the samples collected from monitoring well MW-3 (1.1 µg/l), MW-8 (1.4 µg/l), and compliance well CW-8 (3.0 µg/l). However, verification samples collected on September 30, 2009 indicate a reduced benzene concentration for CW-8 (2.8 µg/l) and a reduction to below the FPDWS for MW-3 (0.84 µg/l). Historically, benzene has sporadically been detected above and below the FPDWS for both MW-8 and CW-8, and background well MW-6.

Secondary Drinking Water Standards

- Aluminum - The aluminum concentrations reported for detection wells MW-3 (0.291 mg/l), MW-7 (0.791 mg/l), MW-10 (0.61 mg/l), MW-12 (0.432 mg/l), assessment well CW-8A (0.361 mg/l), property boundary well CW-5A (2.07 mg/l), and background wells MW-6 (0.43 mg/l) and MW-9 (1.28 mg/l) were above the FSDWS of 0.2 mg/l. Aluminum concentrations have historically been above the FSDWS for most of the Site wells, including background wells MW-6 and MW-9.

- Iron - The iron concentrations reported for detection wells MW-3 (9.0 mg/l), MW-5 (0.636 mg/l), MW-7 (1.02 mg/l), MW-10 (9.15 mg/l), MW-11 (9.21 mg/l), and MW-12 (0.806 mg/l), background well MW-9 (1.87 mg/l), assessment well CW-8A (0.814 mg/l), and compliance wells CW-5 (7.42 mg/l), CW-5R (8.06 mg/l), property boundary well CW-5A (2.22 mg/l) were above the FSDWS of 0.3 mg/l. Iron concentrations have historically been above the FSDWS for most of the Site wells, including background wells MW-6 and MW-9.

- pH - The pH levels reported for the groundwater samples collected from detection wells MW-7 (5.57 S.U.) and MW-12 (5.68 S.U.), background wells MW-6 (5.64 S.U.) and MW-9 (3.75 S.U.), assessment well CW-8A (5.35 S.U.), property boundary well CW-5A (6.06 S.U.), replacement well CW-5R (6.49 S.U.) were below the FSDWS specified range of 6.5-8.5 standard units (SU). Verification samples collected on September 30, 2009 indicate an increase in pH for CW-5R (6.64 S.U.) to within the FSDWS specified range and a reduction in pH for MW-10 (5.97 S.U.) to below the FSDWS. Consistent with historical data, the lowest pH levels were observed in background well MW-9.

- Sulfate, Total - The total sulfate concentrations reported for samples collected from detection wells MW-5 (830 mg/l), MW-8 (360 mg/l), and MW-10 (450 mg/l), and compliance well CW-8 (460 mg/l) were above the FSDWS of 250 mg/l. Historically, sulfate has been detected near or above the FSDWS in detection wells MW-5, MW-8, MW-10, and MW-12, and compliance wells CW-8.

- Total Dissolved Solids - The total dissolved solid (TDS) concentrations reported for samples collected from detection wells MW-3 (1,580 mg/l), MW-5 (2,140 mg/l), MW-7 (942 mg/l), MW-8 (2,170 mg/l), MW-10 (2,120 mg/l), MW-11 (660 mg/l), and MW-12 (954 mg/l), compliance wells CW-5 (1,920 mg/l) and CW-8 (2,400 mg/l), replacement well CW-5R (1,800 mg/l), and assessment well CW-8A (578 mg/l) were above the FSDWS of 500 mg/l. Historically, TDS has been detected near or above the FSDWS in nearly all of the Site wells.

CONCLUSIONS AND RECOMMENDATIONS

In addition to a comparison of the analytical data to the FPDWS and FSDWS, Golder compared the data to 95 percent confidence normal prediction limit (95 percent CL) analyses for a number of constituents in accordance with EPA guidelines (see the April 2005 Semi-Annual Groundwater Monitoring Report for details). The 95 percent CL was calculated using historical data for background monitoring wells MW-6 and MW-9, and detection wells MW-11 and MW-12. Due to waste deposited upgradient of MW-11 after March 2005, data collected after that date have not been used in the (CL) calculations. As a result, the CLs presented in the April 2005 Semi-Annual Monitoring Report have been used for all detection comparisons since April 2005. The following states our interpretation of the data and our recommendations:

- Aluminum - The detection of aluminum at nearly all locations in excess of the FSDWS is consistent with data from detection wells, compliance wells, and background wells during previous events. Based on its historic detection in background wells MW-6 and MW-9, and detection well MW-12, it is considered likely that aluminum is naturally occurring in the surficial aquifer. A prediction limit analysis of the background groundwater data indicates the 95 percent CL for aluminum is 4.40 mg/l, which is in excess of all reported concentrations. The detection of aluminum in groundwater is likely influenced by the natural aluminum concentrations present in the soil formation and the redox conditions associated with the landfill footprint. Given these facts (high background concentrations in groundwater and naturally occurring in the soils screened by the wells), we recommend that the issue of aluminum continue to be addressed through semi-annual monitoring.

- Iron - The detection of iron at almost locations in excess of the FSDWS is consistent with data from previous events. Based on its historic detection in the background well MW-9, it is considered likely that iron is naturally occurring in the surficial aquifer. A prediction limit analysis of the background groundwater data indicates that the 95 percent CL for iron is 5.36 mg/l, which is higher than all reported concentrations, with the exception of detection well MW-3, MW-10, MW-11, and compliance well CW-5, and replacement well CW-5R. In addition, as indicated in previous semi-annual reports, the elevated concentrations of iron observed in background soil samples analyzed in combination with routinely low background pH levels could provide a mechanism for creating elevated iron levels in the groundwater. Elevated iron concentrations in the surficial aquifer of northeast Florida are well documented. As indicted in a January 31, 2006 guidance memorandum on Secondary Groundwater Standards at Solid Waste Facilities, the FDEP has recognized that a change in operations or materials accepted by a C&D facility may have no improvement on groundwater quality and the mere presence of a large facility may create redox conditions such the iron and other parameters with secondary standards (aluminum and sulfate) may be released into solution from the soil. Given these facts, we recommend that the issue of iron continue to be addressed through semi-annual monitoring.

- pH - The pH levels in groundwater collected from most of the wells on-site are typically below the FSDWS minimum of 6.5. A prediction limit analysis of the background groundwater data indicates that the 95 percent CL for pH is 3.14 SU, which is lower than levels reported for all site monitoring wells. Based on historic measurements in background well MW-9 and regional water quality data (well documented in the FDEP ambient groundwater quality database), pH levels below the FSDWS are very common in the surficial aquifer system in northeast Florida. Boring logs recorded for well installation throughout the Site indicate a high organic content in the surficial sediments. pH levels are consistently lowest for background well MW-9 and detection well MW-12 (typically between pH 3.0 and pH 4.5, although pH for MW-12 increased during this recent event). Given these facts, we recommend that the issue of low pH levels continue to be addressed only through semi-annual monitoring.

- Sulfate – The sulfate concentrations for samples collected from detection wells MW-5, MW-8 and MW-10, and compliance well CW-8 were in excess of the FSDWS. Historically, sulfate has been detected above the FSDWS in several wells, and therefore a prediction limit analysis was performed. The prediction limit analysis of the background groundwater data indicates the 95 percent CL for sulfate is 1,039 mg/l, which is higher than all reported concentrations. Given that concentrations have remained below the 95 percent CL and that concentrations are similar to or slightly less than historical data, we recommend that the issue of elevated sulfate concentrations continue to be addressed through semi-annual monitoring.

- Total Dissolved Solids – The TDS concentrations in detection wells MW-3, MW-5, MW-7, MW-8, MW-10, MW-11, and MW-12, compliance wells CW-5 and CW-8, replacement well CW-5R, and assessment well CW-8A, were in excess of the FSDWS. Based on background well data, it is considered likely that TDS is naturally occurring in the surficial aquifer. A prediction limit analysis of the background groundwater data indicates the 95 percent CL for TDS is 992 mg/l. The 95 percent CL is lower than the concentrations from detection wells MW-3, MW-5, MW-8, and MW-10, compliance wells CW-5 and CW-8, and replacement well CW-5R. Detection wells MW-5 and MW-8, replacement well CW-5R, and compliance well CW-8 have consistently indicated concentrations exceeding both the FSDWS and the 95 percent CL. Concentrations have been observed to fluctuate, possibly in response to seasonal variations in precipitation. Given that:

  1. There is data indicating that background concentrations of TDS are elevated at the site;

2. For wells with generally lower historical TDS concentrations as compared to this event, elevated TDS may be related, in part, to the elevated specific conductance;

3. Peak TDS concentrations have generally remained similar for several years, and

4. Concentrations of TDS are below the 95 percent CL at the property boundary.

Golder recommends that the issue of elevated TDS concentrations continue to be addressed through semi-annual monitoring.

- Arsenic – Historically, arsenic has been detected above the FPDWS of 0.010 mg/l in samples collected from background well MW-6, detection wells MW-5 and MW-8, and compliance well CW-8. During the August 2009 event, arsenic was detected above the FPDWS in monitoring wells MW-3, MW-7, MW-8, MW-10, MW-11, and MW-12, replacement well CW-5R, compliance well CW-8, and property boundary well CW-8A. A prediction limit analysis of the background groundwater data indicates that the 95 percent CL for arsenic is 0.055 mg/l, which was exceeded only by MW-10 and CW-8. Verification sampling indicated a reduction in concentration in MW-10 to below the 95 percent CL and a reduction in concentration in CW-8 to just above the 95 percent CL. Although arsenic concentrations appear to have increased during this latest event, a downward trend can still be seen for all wells with historical exceedances of the 95 percent CL (MW-6, MW-8, and CW-8). Attachment F provides trend charts for arsenic. Given that the MW-10 concentration reduced significantly (by nearly a factor of 5) in one month, this initial concentration may be anomalous. The 95 percent CL and periodic detections in background well MW-6 indicate that arsenic is at least in part naturally occurring; however, concentrations detected in CW-8 remain higher than what would likely be associated with background conditions. Given:

  1. The reduction of infiltration associated with capping of the north end of the landfill that was completed in October 2008;There is data indicating background concentrations of arsenic are elevated at the site;

  2. The downward concentration trends for wells MW-8 and CW-8, and

  3. The exclusion of chromated copper arsenate (CCA) treated wood from the landfill since October 4, 2002, as defined in Specific Condition 21 of Permit No. 0014747-009-SO.

Golder recommends that the arsenic issue continue to be addressed through semi-annual monitoring with all the detection wells, background wells, compliance well CW-8, and assessment well CW-8A. Detection well MW-10 will continue to be monitored to determine if the initial result was anomalous. If arsenic concentrations exceed the 95 percent CL in the future, a downgradient compliance well may be required.

- Benzene – In August 2009, benzene was detected above the FPDWS in detection wells MW-3 and MW-8, and compliance well CW-8. The result for MW-8, although remaining above the FPDWS, was significantly lower than most historical results since 2004. The benzene trend charts in Attachment F indicate a declining trend for MW-8 and CW-8 since peak concentrations in 2006. Assessment well CW-8A was installed in September 2004 to provide a downgradient delineation point for the periodically detected benzene concentrations in the upgradient wells. The issue of periodically elevated benzene concentrations was addressed in the Contamination Assessment Report (CAR) submitted to the FDEP in May 2005. The CAR recommended including CW-8A as a compliance well for semi-annual monitoring until CW-8 concentrations were below the FPDWS for two consecutive monitoring events. The issue of benzene will continue to be addressed as recommended in the CAR.

- Sodium - The concentrations of sodium in detection well MW-10 and compliance wells CW-5 and CW-5R were above the FPDWS of 160 mg/l. Historical data indicate that sodium concentrations in MW-5, MW-8, CW-5, and CW-8 have consistently remained near or above the FPDWS. However, sodium concentrations for samples collected from assessment well CW-8A and property boundary well CW-5A have always remained below the FPDWS. A prediction limit analysis of the background groundwater data indicates that the 95 percent CL for sodium is 44 mg/l, which is lower than the concentrations for MW-3, MW-7, MW-8, MW-10, MW-12, CW-5, CW-5R, CW-8, and CW-8A. Based on historical data and the 95 percent CL, sodium levels are generally considered elevated above the natural surficial groundwater conditions in the vicinity of MW-5/CW-5 and MW-8/CW-8. However, capping is anticipated to result in a positive impact on groundwater quality. The sodium concentration charts in Attachment F indicate that since 2006 there has been a declining trend for MW-8 and CW-8, while concentrations had been declining for MW-5 and CW-5 until the most recent event. Although MW-5 remains below the FPDWS, concentrations for CW-5 and CW-5R increased significantly since the previous event. The data show a high degree of variability in concentrations detected for MW-5, MW-8, CW-5, CW-5R, and CW-8, with a peak concentration for of 273 mg/l (for MW-8) in March 2007 to a more recent low of 12.4 mg/l (for MW-5) in August 2008. As with arsenic, an anomalously high sodium concentration was detected in MW-10. The issue of elevated sodium at the MW-5/CW-5 and MW-8/CW-8 locations is being addressed by the Site Assessment Report/Remedial Action Plan (SAR/RAP), submitted to FDEP in November 2006. It should be noted that the sodium concentrations for five wells exceeded the FPDWS in March 2006. This number reduced to three wells in September 2006 and only two wells in March and September 2007, and February 2008. Only one well exceeded the FPDWS in August 2008, indicating that reduced infiltration resulting from on-going capping activities, and/or below average rainfall experienced recently in northeast Florida, may have been a positive impact on groundwater quality with-respect-to sodium. In August 2009, the results for three monitoring wells exceeded the FPDWS. This event was conducted during a period of above average rainfall.

  As indicated in the April 9, 2007 Response to the Second Request for Additional Information regarding the Combined SAR/RAP, the SAR/RAP was not to be formally approved until the permit renewal was issued (January 10, 2008). North Cell capping was completed nine (9) months after permit issuance (October 10, 2008). As a result, the annual milestone goals specified in the November 2006 SAR/RAP for sodium concentration reduction, were extended to commence in October 2009 to correspond with final North Cell capping. The Model Year 1 milestone goal concentrations were 197 mg/l for MW-5 and 195 mg/l for MW-8. The actual concentrations were 34.1 mg/l for MW-5 and 131 mg/l for MW-8. Clearly the goals have been met; however, the associated compliance well concentrations were 220 mg/l for CW-5 and 148 mg/l for CW-8. It would appear that groundwater formerly in the vicinity of MW-5 and MW-8 has migrated to the associated compliance wells, with some reduction in sodium concentration, while reduced infiltration associated with the completed cap has resulted in the expected reduced detection well concentrations. The SAR/RAP did not include milestone goals for the compliance wells; however, the January 2007 Response to Comments on the SAR/RAP did indicate that the compliance wells would exceed the FPDWS in Model Year 4 and return to below the FPDWS in Model Year 6. As a result, the observed sodium concentrations are generally consistent with the model predictions. As noted above, the data show a high degree of variability in sodium concentrations for MW-5, MW-8, CW-5, CW-5R, and CW-8, and rainfall was above average. Therefore, it is anticipated that sodium concentrations will continue to fluctuate throughout.

Overall, significant reductions in benzene, sodium, TDS, and sulfate had been observed in multiple samples prior to the August 2009 monitoring event. The latest data suggests a general increase in arsenic, TDS, and iron, with a slight increase in sodium and sulfate since the previous event. Benzene

was generally consistent with 2008 data (lower than February 2008, but higher than August 2008), while aluminum decreased and pH increased to more neutral levels. The concentration trend charts indicate, with some exception, declining trends for arsenic, benzene, and sodium during the last three years. Anomalously high sodium and arsenic (initial sample) concentrations were detected in MW-10, while sodium also increased in CW-5 and CW-5R.

This report satisfies the requirements of the FDEP Notice of Permit (No. 0014747-013-SO). The next semi-annual groundwater sampling event is scheduled for February 2010.

If you should have any questions, please contact the undersigned at (904) 363-3430.

Sincerely,

GOLDER ASSOCIATES INC.

Richard W. Poff, PG
Florida Professional Geologist No. 2505

Kenneth B. Karably, PG
Principal

11/17/09
Date

cc: Scott McCallister - Republic

Attachments:
Table 1 – Groundwater Elevation Measurements (August 27th, 2009)
Table 2 – Monitoring Well Construction
Table 3 – Summary of Detections (August 2009)
Attachment A - Groundwater Sample Collection Forms
Attachment B - Groundwater Level Contour Map (August 29th, 2009)
Attachment C – ADaPT Data Package (CD)
Attachment D - Analytical Results and Chain-of-Custody (ENCO)
Attachment E – Groundwater Report Form 62-522.600(11)
Attachment F – Concentration Trends

RWP/ams

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TABLES

TABLE 1

GROUNDWATER ELEVATION MEASUREMENTS

Nine Mile Road Landfill
St. Augustine, Florida

Well I.D.	Screened Interval (feet)	Well Diameter (inches)	TOC Elevation (feet)	Depth-to-Water (feet)	Groundwater Elevation
				27-Aug-09	
MW-3	9.5-19.5	2	46.26	9.87	36.39
MW-5	8-18	2	47.01	11.31	35.70
MW-6	7-17	2	44.02	5.56	38.46
MW-7	10-20	2	46.21	8.80	37.41
MW-8	12-22	2	45.18	8.90	36.28
MW-9	13-23	2	43.01	6.94	36.07
MW-10	7.5-22.5	2	45.90	8.51	37.39
MW-11	7.5-22.5	2	45.94	9.37	36.57
MW-12	7-22	2	45.33	9.60	35.73
CW-3	7.5-17.5	2	39.31	3.46	35.85
CW-5	7-17	2	39.24	3.83	35.41
CW-5R	4.5-19.5	2	41.88	6.40	35.48
CW-5A	4.5-19.5	2	42.77	7.23	35.54
CW-7	8-18	2	40.57	4.30	36.27
CW-8	7.5-17.5	2	40.61	5.18	35.43
CW-8A	5.5-20.5	2	39.67	4.56	35.11
Ditch (North)	NA	NA	36.58	1.37	35.21
Ditch (South)	NA	NA	36.26	1.05	35.21
PZ-1	NA	2	46.63	9.14	37.49
PZ-2	NA	2	42.16	2.95	39.21

Notes:
TOC - Top of Casing
TOC elevations for MW-9, MW-10, MW-11, and MW-12 surveyed by R.E. Holland & Associates in December 2003.
All other TOC elevations surveyed by Harbor Civil Services, Inc in April 2005.
MW - Monitoring Well
NA - Not Available

Checked by: MAH
Reviewed by: RWP

Golder Associates

TABLE 2

MONITORING WELL CONSTRUCTION

Nine Mile Road Landfill
St. Augustine, Florida

Well Number	Date Installed	Installation Method	Top of Casing Elevation	Approximate Aboveground Riser Length	Total Well Depth[1]	Screened Interval[2]	Well Diameter	Lithology of Screened Interval
			(ft NGVD)	(feet)	(FBTOC)	(FBTOC)	(inches)	
MW-3	7/14/00	Hollow Stem Auger	46.26	3	19.9	9.5-19.5	2	(SP) Fine Sand
MW-5	NA	Hollow Stem Auger	47.01	3	18.4	8-18	2	(SP) Fine Sand
MW-6	NA	Hollow Stem Auger	44.02	3	17.8	7-17	2	(SP) Fine to Med. Sand
MW-7	7/14/00	Hollow Stem Auger	46.21	3	20.2	10-20	2	(SP) Fine Sand
MW-8	NA	Hollow Stem Auger	45.18	3	22.9	12-22	2	(SP) Fine Sand
MW-9	12/21/01	Hollow Stem Auger	43.01	3	23.2	13-23	2	(SP/SW) Fine to Med. Sand
MW-10	12/19/03	Hollow Stem Auger	45.9	3	20.7	7.5-22.5	2	(SP/SW) Fine to Med. Sand
MW-11	12/19/03	Hollow Stem Auger	45.94	3	22.8	7.5-22.5	2	(SP/SW) Fine to Med. Sand
MW-12	12/19/03	Hollow Stem Auger	45.33	3	22.3	7-22	2	(SP/SW) Fine to Med. Sand
CW-3	1/29/01	Hollow Stem Auger	39.31	3	18.3	7.5-17.5	2	(SP) Fine to Med. Sand
CW-5	1/29/01	Hollow Stem Auger	39.24	3	17.5	7-17	2	(SP) Fine to Med. Sand
CW-5R	3/22/05	Hollow Stem Auger	41.88	3	19.8	4.5-19.5	2	(SP) Fine Sand
CW-5A	3/22/05	Hollow Stem Auger	42.77	3	20.0	4.5-19.5	2	(SP) Fine Sand
CW-7	1/29/01	Hollow Stem Auger	40.57	3	18.4	8-18	2	(SP) Fine to Med. Sand
CW-8	1/30/01	Hollow Stem Auger	40.61	3	18.2	7.5-17.5	2	(SP) Fine to Med. Sand
CW-8A	9/23/04	Hollow Stem Auger	39.67	3	20.3	5.5-20.5	2	(SP) Fine Sand

Notes:
FBTOC - Feet below top of casing
NGVD - National Geodetic Vertical Datum
TOC elevations for MW-9, MW-10, MW-11, and MW-12 surveyed by R.E. Holland & Associates in December 2003.
All other TOC elevations surveyed by Harbor Civil Services, Inc in April 2005.
1 = Total depth measured in August 2008.
2 = Screened interval based on well construction information at time of installation.

Checked by: MAH
Reviewed by: RWP

Golder Associates

TABLE 3

SUMMARY OF DETECTIONS (AUGUST/SEPTEMBER 2009)
Nine Mile Road Landfill
St. Augustine, Florida

Storet Code	Parameter Monitoring	Unit	FPDWS	FSDWS	95% CL Interwell	MW-3 (8/28/09)	MW-3 (9/30/09)	MW-5 (8/28/09)	MW-6 (8/27/09)	MW-7 (8/28/09)	MW-8 (8/28/09)	MW-8-FD (MW-8) (8/28/09)	CW-5 (8/28/09)	CW-5 (9/30/09)	CW-5R (8/28/09)	CW-5R (9/30/09)	CW-5A (8/28/09)	CW-8 (8/28/09)	CW-8 (9/30/09)	CW-8A (8/28/09)	MW-9 (8/27/09)	MW-10 (8/27/09)	MW-10 (9/30/09)	MW-11 (8/27/09)	MW-12 (8/27/09)
00299	Oxygen, Dissolved (Field)	mg/l				0.86	0.23	1.7	1.17	0.68	0.61	0.61	0.99	0.25	0.87	0.21	0.98	0.68	0.35	0.96	0.46	0.45	0.2	0.53	0.35
00400	Ph (Field)	n/a		6.5-8.5	3.14	6.63	6.68	6.76	**5.91**	**5.57**	6.73	6.73	6.63	6.67	**6.61**	6.64	**6.06**	6.74	6.76	**5.35**	**3.75**	6.83	**5.97**	6.62	**5.68**
00095	Specific Conductance (Field)	umhos/cm				2,059	1,937	2,452	239	1,103	3,151	3,151	3,033	2,873	2,983	2,795	294	3,505	2,897	972	682	2,903	2,645	986	1,319
00076	Turbidity (Field)	NTU				2.11	1.09	1.55	4.92	1.81	0.99	0.99	1.18	0.76	0.98	0.43	17.4	1.21	0.80	0.86	6.14	9.7	2.02	9.12	1.41
00010	Water Temperature in deg Celsius	Deg C				29.50	27.65	30.38	27.34	28.31	30.60	30.60	29.53	31.18	28.18	28.42	26.49	30.05	27.24	24.77	23.75	27.70	27.74	28.57	26.74
34030	Benzene	µg/L	1.0			**1.1**	0.84 I	0.27 U	0.27 U	0.27 U	**1.4**	**2.9**	0.27 U	NA	0.54 U	NA	NA	**3.0**	**2.8**	1.0	0.27 U	0.27 U	NA	0.27 U	0.27 U
34371	Xylenes, total	µg/L				0.27 U	NA	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.38 I	NA	0.54 U	NA	NA	0.54 U	NA	0.27 U	0.27 U	0.27 U	NA	0.27 U	0.27 U
34010	Methylene chloride	µg/L				0.23 U	NA	0.23 U	0.23 U	0.23 U	0.32 IV	0.23 U	0.23 U	NA	1.0 IV	NA	NA	1.0 IV	NA	0.23 U	0.23 U	0.23 U	NA	0.23 U	0.23 U
34571	Tetrachloroethene	µg/L	3			0.31 U	NA	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U	NA	0.62 U	NA	NA	0.66 I	NA	0.31 U	0.31 U	0.31 U	NA	0.31 U	0.31 U
00610	Ammonia-N	mg/L				17	NA	6.2	0.92	10	57	56	55	NA	52	NA	NA	67	NA	17	2.8	19	NA	0.098	7.8
00940	Chloride, Total	mg/L		250	103.8	56	NA	21	5.7	57	120	130	170	NA	190	NA	20	150	NA	87	30	140	NA	45	90
00620	Nitrate	mg/L	10		13.8	0.42 I	NA	2.5	0.42 I	0.10 U	0.46 I	0.46 I	0.86 I	NA	0.87 I	NA	NA	0.49 I	NA	0.10 U	0.10 U	0.10 U	NA	0.47 I	0.10 U
32730	Phenols	mg/L				0.05	NA	0.02 U	0.02 U	0.02 U	0.02 I	0.02 I	0.02 U	NA	0.02 I	NA	NA	0.02 U	NA	0.02 U	0.02 U	0.02 U	NA	0.02 U	0.02 U
00945	Sulfate, Total	mg/L		250	1,039	180	NA	**830**	6.6	220	**360**	**380**	47	NA	12	NA	8.6	**460**	NA	130	190	**450**	NA	130	200
70304	Total Dissolved Solids	mg/L		500	992	**1,580**	NA	**2,140**	210	**942**	**2,170**	**2,190**	**1,920**	NA	**1,800**	NA	320	**2,400**	NA	**578**	380	**2,120**	NA	**660**	**954**
01105	Aluminum	mg/L		0.2	4.40	**0.291**	NA	0.065 U	**0.453**	**0.791**	0.16 I	0.155 I	0.065 U	NA	0.065 U	NA	**2.07**	0.14 I	NA	**0.361**	**1.28**	**0.606**	NA	0.111 I	**0.432**
01002	Arsenic	mg/L	0.01		0.055	**0.0326**	NA	0.00818 I	0.008 I	**0.0166**	**0.0542**	**0.0563**	0.00917 I	NA	**0.0111**	NA	NA	**0.061**	**0.0567**	**0.0109**	0.0058 U	**0.131**	**0.0284**	**0.0176**	**0.0109**
01034	Chromium	mg/L	0.1			0.0115	NA	0.0042 I	0.0031 I	0.00445 I	0.0319	0.0333	0.0265	NA	0.0223	NA	NA	0.0313	NA	0.0176	0.00167 I	0.0551	NA	0.00129 I	0.00149 I
01045	Iron	mg/L		0.3	5.36	**9.0**	NA	**0.636**	0.243	**1.02**	0.027 U	0.027 U	**7.42**	NA	**8.06**	NA	**2.22**	0.075	NA	**0.814**	**1.87**	**9.15**	NA	**9.21**	**0.806**
00929	Sodium	mg/L	160		44.0	55.4	NA	34.1	3.71	45	131	133	**231**	**220**	**245**	**230**	20.1	148	NA	104	37.7	**212**	**215**	24.9	46.3
01105	Aluminum, filtered	mg/L		0.2	4.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**1.56**	NA	NA	**0.304**	NA	**0.433**	NA	NA	NA
01002	Arsenic, filtered	mg/L	0.01		0.055	NA	NA	NA	NA	NA	**0.0668**	NA	NA	NA	0.0058 U	NA	NA	**0.0604**	NA	0.0058 U	NA	**0.127**	NA	**0.0103**	NA
01045	Iron, filtered	mg/L		0.3	5.36	NA	NA	**0.598**	NA	NA	NA	NA	**7.6**	NA	**8.21**	NA	**1.72**	NA	NA	**0.8**	NA	**8.4**	NA	**8.11**	NA
00929	Sodium, filtered	mg/L	160		44.0	NA	NA	NA	NA	NA	NA	NA	**225**	NA	**243**	NA	NA	NA	NA	NA	NA	**211**	NA	NA	NA

Notes:

1 FPDWS = Florida Primary Drinking Water Standard per Florida Administrative Code (FAC) Chapter 62-550.

2 FSDWS = Florida Secondary Drinking Water Standard per Florida Administrative Code (FAC) Chapter 62-550.

3 A highlighted cell indicates exceedance of either the FPDWS or FSDWS.

4 NA = Not Analyzed

5 U = Compound was analyzed for but not detected to the level shown.

6 95 percent interwell confidence limits calculated up to and including March 2005 data.

7 I = Analyte was detected above method detection limit, but below practical quantitation limit.

8 Wells MW-3, CW-5, CW-5R, CW-8, and MW-10 resampled on 9/30/09 for parameters indicated.

Checked by: RWP

Reviewed by: MAH

Golder Associates

ATTACHMENT A
GROUNDWATER SAMPLE COLLECTION FORMS

Golder Associates

Field Instrument Turbidity Calibration Records

INSTRUMENT (MAKE/MODEL NO.) 2100P Turbidimeter INSTRUMENT NO. HT-4

Project Number: 003-3976.17 0001 Project Name: Nine Mile Road Landfill

Standard Vendor: GEOTECH

Prepared Date: UKN Where Prepared: HACH

Purchase Date: UKN Expiration Date: UKN

Standard 0.1-10 Nephelometric Turbidity Unit Lot# 7304

Standard 11.0-40 Nephelometric Turbidity Unit Lot# 7295

Standard 41.0-100 Nephelometric Turbidity Unit Lot# 7296

Standard >100 Nephelometric Turbidity Unit Lot# 7283

DATE (mm/dd/yy)	TIME (hr:min)	TEMP DEG C	STD VALUE	INSTRUMENT RESPONSE	% DEV	PASS/ FAIL	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
8/27/09	1130	-	6.11	6.17	<10 %	P	NO	INIT	MH
8/27/09	1131	-	64.4	64.4	<6.5 %	P	NO	INIT	MH
8/27/09	1132	-	591	588	<5 %	P	NO	INIT	MH
8/27/09	1719	-	6.11	6.14	<10 %	P	NO	FINAL	MH
8/27/09	1720	-	64.4	64.3	<6.5 %	P	NO	FINAL	MH
8/27/09	1721	-	591	588	<5 %	P	NO	FINAL	MH
8/28/09	0754	-	6.11	6.00	<10 %	P	NO	Init	MH
8/28/09	0755	-	64.4	64.3	<6.5 %	P	NO	Init	MH
8/28/09	0756	-	591	590	<5 %	P	NO	Init	MH
8/28/09	1745	-	6.11	6.10	<10 %	P	NO	Final	MH
8/28/09	1746	-	64.4	64.0	<6.5 %	P	NO	Final	MH
8/28/09	1747	-	591	588	<5 %	P	NO	Final	MH

Calibration values for turbidity needs to be within 10% of the standard for values between 0.1-1.0 NTU; 8% for values between 11-40 NTU; 6.5% for values between 41-100 NTU and 5% for values >100 NTU.

Golder Associates

Field Instrument Dissolved Oxygen & Oxidation-Reduction Potential Calibration Records

INSTRUMENT (MAKE/MODEL NO.) YSI 556 MPS **INSTRUMENT NO.** 02600

STANDARD INFORMATION

Project Number: 003-3976.17 0001 **Project Name:** Nine Mile Road Landfill

Standard Vendor: NA

Prepared Date: NA **Where Prepared:** NA

Grade: NA **DO Units:** mg/L **ORP Units:** mV

ORP Standard Lot # 8AK238 **Exp Date: AUG-09** **Pur Date: MAR-09**

DO Standard Air Calibration Chamber in Air (Table FS 2200-2)

Standard

Standard

DATE (mm/dd/yy)	TIME (hr:min)	TEMP DEG C	CHART 100% VALUE	INSTRUMENT RESPONSE	% DEV	PASS/ FAIL	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
8/27/09	1138	31.80	7.305	92.4 7.326 10.77	< 0.3	P	No	INIT	MH
8/27/09	1725	25.43	8.203	88.9 8.200 7.29	< 0.3	P	No	FINAL	MH
8/28/09	0800	23.86	8.45	124.7 8.436 10.52	< 0.3	P	No	INIT	MH
8/28/09	1750	25.125	8.233	156.9 8.228 12.91	< 0.3	P	No	FINAL	MH
ORP									
8/27/09	1143	24.27	~ 220.5	251.6	> 10 mV	F	Yes	INIT	MH
8/27/09	1145	24.22	~ 221	220.2	< 10 mV	P	No	~~FINAL~~ Init	MH
8/27/09	1726	26.61	~ 218	198.5	> 10mV	F	No	Cont	MH
8/28/09	0802	24.57	~ 221	209.0	> 10 mV	F	Yes	INIT	MH
8/28/09	0803	24.23	~ 221	221.1	< 10 mV	P	No	~~FINAL~~ Init	MH
8/28/09	1752	28.87	~ 214	216.6	< 10mV	P	No	Final	MH

Acceptable calibration check is if the meter reads within +/- 0.3 mg/L of the value of appropriate calibration standard. Need to record DO readings in mg/L and use Table FS 2200-2 "Dissolved Oxygen Saturation". ORP calibration reading must be within +/- 10 mV from the theoretical redox standard value at that temperature.

Golder Associates

Field Instrument Conductivity Calibration Records

INSTRUMENT (MAKE/MODEL NO.) YSI 556 MPS **INSTRUMENT NO.** 02600

STANDARD INFORMATION

Project Number: 003-3976.17 0001 **Project Name:** Nine Mile Road Landfill

Standard Vendor: GEOTECH

Prepared Date: UKN **Where Prepared:** Golder Associates Inc.

Grade: NA **Units:** umhos/uS-cm

Standard 84 uS / cm @ 25°C *Lot# 9AC304 Purchase date: Mar-09 Expiration date: Mar-10*

Standard 500 uS / cm @ 25°C *Lot# 9AD335 Purchase date: Apr-09 Expiration date: Apr-10*

Standard 2000 uS / cm @ 25°C *Lot# 9AD337 Purchase date: Apr-09 Expiration date: Apr-10*

DATE (mm/dd/yy)	TIME (hr:min)	TEMP DEG C°	STD VALUE	INSTRUMENT RESPONSE	% DEV	PASS/ FAIL	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
8/27/09	1148	23.84	2000	2077	< 5%	P	No	INIT	MH
8/27/09	1150	23.74	500	518	< 5%	P	No	INIT	MH
8/27/09	1152	24.29	84	93	> 5%	F	No	INIT	MH
8/27/09	1729	26.35	2000	2070	< 5%	P	No	FINAL	MH
8/27/09	1731	26.17	500	522	< 5%	P	No	FINAL	MH
8/27/09	1733	25.35	84	86	< 5%	P	No	FINAL	MH
8/28/09	0806	25.78	2000	2074	< 5%	P	No	INIT	MH
8/28/09	0808	25.91	500	505	< 5%	P	No	INIT	MH
8/28/09	0810	25.90	84	88	< 5%	P	No	INIT	MH
8/28/09	1754	28.59	2000	2004	< 5%	P	No	FINAL	MH
8/28/09	1756	28.28	500	508	< 5%	P	No	FINAL	MH
8/28/09	1758	28.37	84	87	< 5%	P	No	FINAL	MH

Acceptable calibration check is if the meter reads within +/- 5% of the appropriate calibration standard.

Golder Associates

Field Instrument pH Calibration Records

INSTRUMENT (MAKE/MODEL NO.) YSI 556 MPS **INSTRUMENT NO.** 626000

STANDARD INFORMATION

Project Number: 003-3976.17 0001 **Project Name:** Nine Mile Road Landfill

Standard Vendor: GEOTECH

Prepared Date: UKN **Where Prepared:** Golder Associates Inc.

Purchase Date: See Below **Expiration Date:** See Below **Grade:** UKN **Units:** Standard Units

Standard 4.01 @ 25 Deg C **Lot #** 8AI091 **Exp Date:** SEPT-10 **Purch Date** JAN-09

Standard 7.00 @ 25 Deg C **Lot #** 9AB317 **Exp Date** FEB-11 **Purch Date** APR-09

Standard 10.0 @ 25 Deg C **Lot #** 9AC010 **Exp Date** SEPT-09 **Purch Date** APR -09

DATE (mm/dd/yy)	TIME (hr:min)	TEMP DEG C	STD VALUE	INSTRUMENT RESPONSE	% DEV	PASS/ FAIL	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
8/27/09	1159	24.31	7.00	7.03	<0.2	P	NO	INIT	MH
8/27/09	1201	24.71	4.01	4.04	< 0.2	P	NO	INIT	MH
8/27/09	1203	24.55	10.0	10.08	<0.2	P	NO	INIT	MH
8/27/09	1735	25.72	7.00	7.13	< 0.2	P	NO	FINAL	MH
8/27/09	1737	26.25	4.01	4.13	<0.2	P	NO	FINAL	MH
8/27/09	1739	25.63	10.0	10.12	< 0.2	P	NO	FINAL	MH
8/28/09	0816	26.20	7.00	7.04	< 0.2	P	NO	INIT	MH
8/28/09	0818	25.88	4.01	4.03	< 0.2	P	NO	INIT	MH
8/28/09	0820	25.91	10.0	10.09	<0.2	P	NO	INIT	MH
8/28/09	1800	28.53	7.00	7.07	<0.2	P	NO	FINAL	MH
8/28/09	1802	28.43	4.01	4.10	< 0.2	P	NO	FINAL	MH
8/28/09	1804	28.31	10.0	10.06	< 0.2	P	NO	FINAL	MH

Acceptable calibration check is if the meter reads within +/- 0.2 pH units of the value of appropriate calibration standard.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: MW-3	SAMPLE ID: MW-3	DATE: 8/ 28 /2009

PURGING DATA

WELL DIAMETER (Inches): 2	TUBING DIAMETER (Inches): 1/4	WELL SCREEN INTERVAL DEPTH: 9.5 feet to 19.5 feet	STATIC DEPTH TO WATER (feet): 9.87	PURGE PUMP TYPE OR BAILER: PP

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

= (19.5 feet – 9.87 feet) X 0.16 gallons/foot = 1.5408 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.7	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.7	PURGING INITIATED AT: 0945	PURGING ENDED AT: 1017	TOTAL VOLUME PURGED (gallons): 2.48

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1011	2.00	2.00	0.08	10.09	6.62	29.50	2024	1.11/13.9 %	2.86	-0.1	stained brown sulfur odor
1014	0.24	2.24	0.08	10.09	6.63	29.49	2047	0.92/12.0 %	2.25	-1.3	" "
1017	0.24	2.48	0.08	10.09	6.63	29.50	2059	0.86/11.2 %	2.11	-2.1	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hpt	SAMPLING INITIATED AT: 1018	SAMPLING ENDED AT: 1024
PUMP OR TUBING DEPTH IN WELL (feet): 14.7	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-3	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	< 100 ml/min
MW-3	1	PE	250 ml	H2SO4	-	< 2.0	Ammonia	APP	< 100 ml/min
MW-3	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	< 100 ml/min
MW-3	1	PE	250 ml	HNO3	-	< 2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	< 100ml/min
MW-3	1	AG	1 L	H2SO4	-	< 2.0	Phenolics	APP	< 100ml/min

REMARKS:

C02 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: MW-5	SAMPLE ID: MW-5	DATE: 8/ 28 /2009

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 8 feet to 18 feet	STATIC DEPTH TO WATER (feet): 11.31	PURGE PUMP TYPE OR BAILER: PP

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

= (18 feet – 11.31 feet) X 0.16 gallons/foot = 1.0704 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 14.6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 14.6	PURGING INITIATED AT: 0748	PURGING ENDED AT: 0843	TOTAL VOLUME PURGED (gallons): 3.22

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
0831	2.50	2.50	0.06	11.38	6.76	29.97	2444	2.10/27.9 %	2.78	58.8	clear w/organic debris no odor
0834	0.18	2.68	0.06	11.38	6.75	30.14	2448	1.91/25.5 %	1.51	58.2	" "
0837	0.18	2.86	0.06	11.38	6.75	30.23	2451	1.85/24.6 %	1.28	57.5	" "
0840	0.18	3.04	0.06	11.38	6.76	30.30	2451	1.67/22.6 %	1.63	56.6	" "
0843	0.18	3.22	0.06	11.38	6.76	30.38	2452	1.70/22.7 %	1.55	56.1	" "
									0.97 ft/feet		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M.H.J.P	SAMPLING INITIATED AT: 0844	SAMPLING ENDED AT: 0856
PUMP OR TUBING DEPTH IN WELL (feet): 14.6	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-5	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	<100 ml/min
MW-5	1	PE	250 ml	H2SO4	-	<2.0	Ammonia	APP	<100 ml/min
MW-5	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	<100 ml/min
MW-5	1	PE	250 ml	HNO3	-	<2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	<100 ml/min
MW-5	1	AG	1 L	H2SO4	-	<2.0	Phenolics	APP	<100 ml/min
REMARKS:	1	PE	250ml	HNO3	-	<2.0	FF NL	RFPP	<100 ml/min

CO2 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = Indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION:	ST. AUGUSTINE, FL
WELL NO: MW-6	SAMPLE ID: MW-6	DATE: 8/ 27 /2009	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 5.56	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME λ 3 = 0.945
(only fill out if applicable)
= 0 gallons + (0.0026 gallons/foot X 35 feet) + 0.25 gallons = 0.315 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12	PURGING INITIATED AT: 1020	PURGING ENDED AT: 1224	TOTAL VOLUME PURGED (gallons): 7.30

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1218	7.00	7.00	0.65	5.64	5.98	27.34	239 J	1.04/13.3 %	5.93	39.4 J	strained by Brown
1221	0.15	7.15	0.05	5.64	5.90	27.35	238 J	1.25/15.7 %	5.11	40.6 J	" "
1224	0.15	7.30	0.05	5.64	5.91	27.34	239 J	1.17/14.7 %	4.92	40.1 J	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: 1225	SAMPLING ENDED AT: 1233
PUMP OR TUBING DEPTH IN WELL (feet): 12	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-6	3	CG	40 ml	-	-	-	601/602 by 8260 plus dibromochloropropane	RFPP	< 100 ml/min
MW-6	1	PE	250 ml	H2SO4	-	< 2.0	Ammonia	APP	< 100 ml/min
MW-6	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	< 100 ml/min
MW-6	1	PE	250 ml	HNO3	-	< 2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	< 100 ml/min
MW-6	1	AG	1 L	H2SO4	-	< 2.0	Phenolics	APP	< 100 ml/min

REMARKS:

CO2 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION:	ST. AUGUSTINE, FL
WELL NO: MW-7	SAMPLE ID: MW-7	DATE: 8/ 28 /2009	

PURGING DATA

WELL DIAMETER (Inches):	TUBING DIAMETER (Inches):	WELL SCREEN INTERVAL DEPTH: 10 feet to 20 feet	STATIC DEPTH TO WATER (feet): 8.80	PURGE PUMP TYPE OR BAILER: PP
2	1/4			

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME x 3 = 1.023
(only fill out if applicable)
= 0 gallons + (0.0026 gallons/foot X 35 feet) + 0.25 gallons = 0.341 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
15	15	1049	1124	3.50

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1059	1.00	1.00	0.10	9.12	4.29	28.77	1020	0.83/10.9 %	2.16	50.6	Strained brown, no odor
1102	0.30	1.30	0.10	9.12	4.38	28.90	968	0.75/9.8 %	1.86	45.6	" "
1105	0.30	1.60	0.10	9.12	4.75	28.73	955	0.78/10.1 %	2.25	35.2	" "
1112	2.30	2.30	0.10	9.12	5.34	28.40	1024	0.74/9.5 %	2.42	22.5	" "
1115	0.30	2.60	0.10	9.12	5.41	28.37	1045	0.71/9.2 %	2.18	20.8	" "
1118	0.30	2.90	0.10	9.12	5.53	28.34	1092	0.71/9.1 %	2.04	18.0	" "
1121	0.30	3.20	0.10	9.12	5.55	28.34	1099	0.68/8.7 %	1.98	17.3	" "
1124	0.30	3.50	0.10	9.12	5.57	28.31	1103	0.68/8.8 %	1.81	16.9	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT:	SAMPLING ENDED AT:
Matthew Hampton / Golder Associates Inc.		1125	1133

PUMP OR TUBING DEPTH IN WELL (feet):	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
15			

FIELD DECONTAMINATION: PUMP Y (N) TUBING Y (N) (replaced) DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-7	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	< 100 ml/min
MW-7	1	PE	250 ml	H2SO4	-	< 2.0	Ammonia	APP	< 100 ml/min
MW-7	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	< 100 ml/min
MW-7	1	PE	250 ml	HNO3	-	< 2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	< 100 ml/min
MW-7	1	AG	1 L	H2SO4	-	< 2.0	Phenolics	APP	< 100 ml/min

REMARKS:

CO2 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: MW-8	SAMPLE ID: MW-8	DATE: 8/28/2009

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 12 feet to 22 feet	STATIC DEPTH TO WATER (feet): 8.90	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= 0 gallons + (0.0026 gallons/foot X 70 feet) + 0.25 gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 17	PURGING INITIATED AT: 1140	PURGING ENDED AT: 1201	TOTAL VOLUME PURGED (gallons): 2.10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1155	1.50	1.50	0.10	8.94	6.75	30.80	3137	0.38/5.1%	1.36	-298.0	Stained Dk Green; clear, no odor
1158	0.30	1.80	0.10	8.94	6.73	30.64	3141	0.42/5.7%	1.18	-296.2	" "
1201	0.30	2.10	0.10	8.94	6.73	30.60	3151	0.61/8.5%	0.95	-295.8	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M.H	SAMPLING INITIATED AT: 1202	SAMPLING ENDED AT: 1220
PUMP OR TUBING DEPTH IN WELL (feet): 17	TUBING MATERIAL CODE: PE	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: (Y) N	MW-8-FD @ 1220

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-8	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	< 100 ml/min
MW-8	1	PE	250 ml	H2SO4	-	< 2.0	Ammonia	APP	< 100 ml/min
MW-8	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	< 100 ml/min
MW-8	1	PE	250 ml	HNO3	-	< 2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	< 100 ml/min
MW-8	1	PE	250 ml	HNO3	-	< 2.0	Field Filtered Al, As, Fe, Na	APP	< 100 ml/min
MW-8	1	AG	1 L	H2SO4	-	< 2.0	Phenolics	APP	< 100 ml/min

REMARKS:

CO2 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: MW-9	SAMPLE ID: MW-9	DATE: 8/27 /2009

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 13 feet to 23 feet	STATIC DEPTH TO WATER (feet): 6.94	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME x3 = 1.023
(only fill out if applicable)
= 0 gallons + (0.0026 gallons/foot X 35 feet) + 0.25 gallons = 0.341 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18	PURGING INITIATED AT: 1251	PURGING ENDED AT: 1349	TOTAL VOLUME PURGED (gallons): 5.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1343	5.00	5.00	0.10	9.28	3.77	23.81	684	0.47/5.7%	5.93	16.45	Slightly stained brown white suspended pa... no odor
1346	0.30	5.30	0.10	9.28	3.74	23.76	683	0.46/5.5%	7.66	17.35	" "
1349	0.30	5.60	0.10	9.28	3.75	23.75	682	0.46/5.4%	6.14	16.75	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hp	SAMPLING INITIATED AT: 1350	SAMPLING ENDED AT: 1400
PUMP OR TUBING DEPTH IN WELL (feet): 18	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N)(replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-9	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	<100 ml/min
MW-9	1	PE	250 ml	H2SO4	-	<2.0	Ammonia	APP	<100 ml/min
MW-9	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	<100 ml/min
MW-9	1	PE	250 ml	HNO3	-	<2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	<100 ml/min
MW-9	1	AG	1 L	H2SO4	-	<2.0	Phenolics	APP	<100 ml/min

REMARKS:

C02 (mg/l) : NA Fe+2 (mg/l) : NA H2S (mg/l) : NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: MW-10	SAMPLE ID: MW-10	DATE: 8/ 27 /2009

PURGING DATA

WELL DIAMETER (Inches): 2	TUBING DIAMETER (Inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7.5 feet to 22.5 feet	STATIC DEPTH TO WATER (feet): 7.93	PURGE PUMP TYPE OR BAILER: PP

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

= (22.5 feet – 7.93 feet) X 0.16 gallons/foot = 2.3312 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.2	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.2	PURGING INITIATED AT: 1548	PURGING ENDED AT: 1617	TOTAL VOLUME PURGED (gallons): 290

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1608	2.00	2.00	0.10	8.97	6.81	27.71	2876	6.52/6.7%	10.6	-15.1	stained brown, muddy odor
1611	0.30	2.30	0.10	8.97	6.81	27.70	2885	0.48/6.1%	9.2	-16.3	" "
1614	0.30	2.60	0.10	8.97	6.82	27.72	2894	6.45/5.5%	11.5	-18.2	" "
1617	0.30	2.90	0.10	8.97	6.83	27.70	2903	0.45/5.7%	9.7	-19.2	" "
									1.20 Filtered		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hp	SAMPLING INITIATED AT: 1618	SAMPLING ENDED AT: 1630
PUMP OR TUBING DEPTH IN WELL (feet): 15.2	TUBING MATERIAL CODE: PE	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-10	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	<100 ml/min
MW-10	1	PE	250 ml	H2SO4	-	<2.0	Ammonia	APP	<100 ml/min
MW-10	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	<100 ml/min
MW-10	1	PE	250 ml	HNO3	-	<2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	<100 ml/min
MW-10	1	PE	250 ml	HNO3	-	<2.0	Field Filtered Al, Fe	APP	<100 ml/min
MW-10	1	AG	1 L	H2SO4	-	<2.0	Phenolics	APP	<100 ml/min

REMARKS:

CO2 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = Indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION:	ST. AUGUSTINE, FL
WELL NO: MW-11	SAMPLE ID: MW-11	DATE: 8/27/2009	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7.5 feet to 22.5 feet	STATIC DEPTH TO WATER (feet): 9.08	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 9.08 feet) X 0.16 gallons/foot = 2.1472 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.8	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.8	PURGING INITIATED AT: 1454	PURGING ENDED AT: 1526	TOTAL VOLUME PURGED (gallons): 2.72

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1517	2.00	2.00	0.08	9.29	6.65	28.73	953	0.50/6.4%	18.0	11.4J	Strained tan, muddy odor
1520	0.24	2.24	0.08	9.29	6.63	28.65	964	0.51/6.7%	15.8	10.0J	" "
1523	0.24	2.48	0.08	9.29	6.62	28.68	978	0.50/6.5%	11.5	7.2J	" "
1526	0.24	2.72	0.08	9.29	6.62	28.57	986	0.53/6.8%	9.12	5.6J	" "
									1.03=Filtered		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hpt	SAMPLING INITIATED AT: 1527	SAMPLING ENDED AT: 1541
PUMP OR TUBING DEPTH IN WELL (feet): 15.8	TUBING MATERIAL CODE: PE	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-11	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	< 100 ml/min
MW-11	1	PE	250 ml	H2SO4	-	< 2.0	Ammonia	APP	< 100 ml/min
MW-11	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	< 100 ml/min
MW-11	1	PE	250 ml	HNO3	-	< 2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	< 100 ml/min
MW-11	1	AG	1 L	H2SO4	-	< 2.0	Phenolics	APP	< 100 ml/min
REMARKS:	1	PE	250 ml	HNO3	-		Field Filtered At Pt	APP	

CO2 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

"J" = Indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION: ST. AUGUSTINE, FL
WELL NO: MW-12	SAMPLE ID: MW-12
	DATE: 8/ 21 /2009

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 22 feet	STATIC DEPTH TO WATER (feet): 9.57	PURGE PUMP TYPE OR BAILER: PP

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

= (22 feet – 9.57 feet) X 0.16 gallons/foot = 1.9888 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
15.5	15.5	1411	1437	2.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1431	2.00	2.60	0.10	9.85	5.68	26.80	1322	0.35/4.4%	2.62	-43.8	Clear/Strained & Sulfur odor
1434	0.30	2.30	0.10	9.85	5.69	26.78	1318	0.34/4.3%	2.31	-43.4	" "
1437	0.30	2.60	0.10	9.85	5.68	26.74	1319	0.35/4.4%	1.41	-44.1	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hamp	SAMPLING INITIATED AT: 1438	SAMPLING ENDED AT: 1448
PUMP OR TUBING DEPTH IN WELL (feet): 15.5	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-12	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	< 100 ml/min
MW-12	1	PE	250 ml	H2SO4	-	< 2.0	Ammonia	APP	< 100 ml/min
MW-12	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	< 100 ml/min
MW-12	1	PE	250 ml	HNO3	-	< 2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	< 100 ml/min
MW-12	1	AG	1 L	H2SO4	-	< 2.0	Phenolics	APP	< 100 ml/min

REMARKS:

C02 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17		SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: CW-5	SAMPLE ID: CW-5		DATE: 8/ 28 /2009

PURGING DATA

WELL DIAMETER (Inches): 2	TUBING DIAMETER (Inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 3.83	PURGE PUMP TYPE OR BAILER: PP

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

= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME x3 = 1.218
(only fill out if applicable)

= 0 gallons + (0.0026 gallons/foot X 60 feet) + 0.25 gallons = 0.406 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 17	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 17	PURGING INITIATED AT: 0859	PURGING ENDED AT: 0919	TOTAL VOLUME PURGED (gallons): 1.42

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
0913	1.00	1.00	0.07	4.00	6.62	29.33	3033	0.97/12.8%	1.45	-1.2	slight Petro clear, Odor
0916	0.21	1.21	0.07	4.00	6.62	29.53	3034	0.99/13.0%	1.10	-2.5	" "
0919	0.21	1.42	0.07	4.00	6.63	29.53	3033	0.99/13.1%	1.18	-3.4	" "
									0.99 Filtered		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hpt	SAMPLING INITIATED AT: 0920	SAMPLING ENDED AT: 0934
PUMP OR TUBING DEPTH IN WELL (feet): 17	TUBING MATERIAL CODE: PE	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CW-5	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	< 100 ml/min
CW-5	1	PE	250 ml	H2SO4	-	< 2.0	Ammonia	APP	< 100 ml/min
CW-5	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	< 100 ml/min
CW-5	1	PE	250 ml	HNO3	-	< 2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	< 100 ml/min
CW-5	1	PE	250 ml	HNO3	-	< 2.0	Field Filtered Al, Fe, Na	APP	< 100 ml/min
CW-5	1	AG	1 L	H2SO4	-	< 2.0	Phenolics	APP	< 100 ml/min

REMARKS:

C02 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17		SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: CW-5R	SAMPLE ID: CW-5R		DATE: 8/28 /2009

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 4.5 feet to 19.5 feet	STATIC DEPTH TO WATER (feet): 6.40	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH − STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (19.5 feet − 6.40 feet) X 0.16 gallons/foot = 2.096 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13	PURGING INITIATED AT: 1520	PURGING ENDED AT: 1546	TOTAL VOLUME PURGED (gallons): 2.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1540	2.00	2.00	0.10	6.49	6.64	28.20	2987	0.88/11.3%	1.37	-81.2	Clear, petro odor
1543	0.30	2.30	0.10	6.49	6.63	28.19	29.82	0.91/11.7%	1.11	-81.5	~ ~
1546	0.30	2.60	0.10	6.49	6.61	28.18	2983	0.87/11.4%	0.98	-81.6	~ ~

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M.H	SAMPLING INITIATED AT: 1547	SAMPLING ENDED AT: 1557
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: PE	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 1 μm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CW-5R	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	< 100 ml/min
CW-5R	1	PE	250 ml	H2SO4	-	< 2.0	Ammonia	APP	< 100 ml/min
CW-5R	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	< 100 ml/min
CW-5R	1	PE	250 ml	HNO3	-	< 2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	< 100 ml/min
CW-5R	1	PE	250 ml	HNO3	-	< 2.0	Field Filtered Al, Fe, Na	APP	< 100 ml/min
CW-5R	1	AG	1 L	H2SO4	-	< 2.0	Phenolics	APP	< 100 ml/min

REMARKS:

C02 (mg/l) : NA Fe+2 (mg/l) : NA H2S (mg/l) : NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION:	ST. AUGUSTINE, FL
WELL NO: CW-5A	SAMPLE ID: CW-5A	DATE: 8/ 28 /2009	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 4.5 feet to 19.5 feet	STATIC DEPTH TO WATER (feet): 7.23	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (19.5 feet – 7.23 feet) X 0.16 gallons/foot = 1.9632 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13.4	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13.4	PURGING INITIATED AT: 1412	PURGING ENDED AT: 1508	TOTAL VOLUME PURGED (gallons): 5.04

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1502	4.50	4.50	0.09	7.59	6.06	26.58	293	1.11/13.7%	18.0	-71.6	Strained Light, no odor
1505	0.27	4.77	0.09	7.59	6.06	26.51	294	1.01/12.6%	18.6	-71.9	" "
1508	0.27	5.04	0.09	7.59	6.06	26.49	294	0.88/12.2%	17.4	-71.7	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hpt	SAMPLING INITIATED AT: 1509	SAMPLING ENDED AT: 1511
PUMP OR TUBING DEPTH IN WELL (feet): 13.4	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CW-5A	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride	APP	≤ 100 ml/min
CW-5A	1	PE	250 ml	HNO3	-	≤ 2.0	Al, Fe, Na	APP	≤ 100 ml/min
CW5A	1	PE	250 ml	HNO3	-	≤ 2.0	FE-Al, Fe, Na	APP	≤ 100 ml/min

REMARKS:

C02 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17		SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: CW-8	SAMPLE ID: CW-8		DATE: 8/28/2009

PURGING DATA

WELL DIAMETER (Inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7.5 feet to 17.5 feet	STATIC DEPTH TO WATER (feet): 5.18	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME x3= 1.218
(only fill out if applicable)
= 0 gallons + (0.00026 gallons/foot X 60 feet) + 0.25 gallons = 0.4116 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	PURGING INITIATED AT: 1221	PURGING ENDED AT: 1257	TOTAL VOLUME PURGED (gallons): 3.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1236	1.50	1.50	0.10	5.33	6.71	29.75	3486	1.30/17.0 J.	2.30	-310.7	Clear, no odor strained bucket
1239	0.30	1.80	0.10	5.33	6.73	29.77	3504	2.33/30.4%	2.18	-308.4	" "
1242	0.30	2.10	0.10	5.33	6.74	30.00	3504	2.00/26.5%	1.74	-312.2	" "
1245	0.30	2.40	0.10	5.33	6.74	30.02	3504	2.64/36.5%	1.61	-313.1	" "
1248	0.30	2.70	0.10	5.33	6.74	30.08	3504	37.10/305 %	1.39	-291.3	" "
1251	0.30	3.00	0.10	5.33	6.74	30.00	3510	6.83/12.3%	1.35	-310.3	" "
1254	0.30	3.30	0.10	5.33	6.74	30.01	3507	6.78/10.4%	1.26	-313.6	" "
1257	0.30	3.60	0.10	5.33	6.74	30.05	3505	0.68/8.9%	1.21	-313.8	" "
									0.57 Filtered		

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hp	SAMPLING INITIATED AT: 1258	SAMPLING ENDED AT: 1310
PUMP OR TUBING DEPTH IN WELL (feet): 12.5	TUBING MATERIAL CODE: PE	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CW-8	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	< 100 ml/min
CW-8	1	PE	250 ml	H2SO4	-	< 2.0	Ammonia	APP	< 100 ml/min
CW-8	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	< 100 ml/min
CW-8	1	PE	250 ml	HNO3	-	< 2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	< 100 ml/min
CW-8	1	PE	250 ml	HNO3	-	< 2.0	Field Filtered Al, As, Fe, Na	APP	< 100 ml/min
CW-8	1	AG	1 L	H2SO4	-	< 2.0	Phenolics	APP	< 100 ml/min

REMARKS:

C02 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	NINE MILE ROAD LANDFILL 003-3976-17	SITE LOCATION:	ST. AUGUSTINE, FL
WELL NO: CW-8A	SAMPLE ID: CW-8A	DATE: 8/26/2009	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 5.5 feet to 20.5 feet	STATIC DEPTH TO WATER (feet): 4.56	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME x 3 = 1.062
(only fill out if applicable)
= 0 gallons + (0.0026 gallons/foot X 40 feet) + 0.25 gallons = 0.354 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13	PURGING INITIATED AT: 1610	PURGING ENDED AT: 1626	TOTAL VOLUME PURGED (gallons): 1.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1620	1.00	1.00	0.10	4.84	5.35	24.82	1009	1.00/12.0	1.68	-86.4	cl/gray, sulfur odor
1623	0.30	1.30	0.10	4.84	5.35	24.75	985	0.96/11.6	1.51	-88.2	" "
1626	0.30	1.60	0.10	4.84	5.35	24.77	972	0.96/11.6	0.86	-88.9	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hpc	SAMPLING INITIATED AT: 1627	SAMPLING ENDED AT: 1637
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: PE	FIELD-FILTERED: (Y) N Filtration Equipment Type:	FILTER SIZE: 1 µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CW-8A	3	CG	40 ml	-	-	-	601/602 by 8260	RFPP	< 100 ml/min
CW-8A	1	PE	250 ml	H2SO4	-	< 2.0	Ammonia	APP	< 100 ml/min
CW-8A	2	PE	250 ml	-	-	-	TDS, Sulfate, Chloride, Nitrate	APP	< 100 ml/min
CW-8A	1	PE	250 ml	HNO3	-	< 2.0	RCRA Metals (As, Al, Cd, Cr, Fe, Pb, Na, Hg)	APP	< 100 ml/min
CW-8A	1	PE	250 ml	HNO3	-	< 2.0	Field Filtered Al, Fe	APP	< 100 ml/min
CW-8A	1	AG	1 L	H2SO4	-	< 2.0	Phenolics	APP	< 100 ml/min

REMARKS:

C02 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Revision Date: February 12, 2009

Golder Associates

Field Instrument pH Calibration Records

INSTRUMENT (MAKE/MODEL NO.) YSI 556 MPS **INSTRUMENT NO.** 02196

STANDARD INFORMATION

Project Number: 003-3976.17 0004 **Project Name:** Nine Mile Road Landfill

Standard Vendor: LSS

Prepared Date: AUG-09 **Where Prepared:** Golder Associates Inc.

Grade: UKN **Units:** Standard Units

Standard 4.01 @ 25 Deg C **Lot #** 9169-09 **Exp Date:** JUN-10 **Purch Date** AUG-09

Standard 7.00 @ 25 Deg C **Lot #** 9079-05 **Exp Date** MAR-11 **Purch Date** AUG-09

Standard 10.0 @ 25 Deg C **Lot #** 9147-17 **Exp Date** JUN-10 **Purch Date** AUG -09

DATE (mm/dd/yy)	TIME (hr:min)	TEMP DEG C	STD VALUE	INSTRUMENT RESPONSE	% DEV	PASS/ FAIL	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
9/30/09	0956	22.73	7.00	7.12	< 0.2	P	No	INIT	MH
9/30/09	0958	22.50	4.01	4.03	< 0.2	P	No	INIT	MH
9/30/09	1000	22.53	10.0	10.01	< 0.2	P	No	INIT	MH
9/30/09	1653	22.94	7.00	7.09	< 0.2	P	No	FINAL	MH
9/30/09	1655	23.14	4.01	4.04	< 0.2	P	No	FINAL	MH
9/30/09	1657	23.29	10.0	10.05	< 0.2	P	No	FINAL	MH

Acceptable calibration check is if the meter reads within +/- 0.2 pH units of the value of appropriate calibration standard.

Golder Associates

Field Instrument Conductivity Calibration Records

INSTRUMENT (MAKE/MODEL NO.) YSI 556 MPS **INSTRUMENT NO.** 02196

STANDARD INFORMATION

Project Number: 003-3976.17 0004 **Project Name:** Nine Mile Road Landfill

Standard Vendor: GEOTECH

Prepared Date: UKN **Where Prepared:** Golder Associates Inc.

Grade: NA **Units:** umhos/uS-cm

Standard 84 uS / cm @ 25°C *Lot# 9AH041 Purchase date: AUG-09 Expiration date: AUG-10*

Standard 500 uS / cm @ 25°C *Lot# 9AH037 Purchase date: AUG-09 Expiration date: AUG-10*

Standard 2000 uS / cm @ 25°C *Lot# 9AF367 Purchase date: AUG-09 Expiration date: JUN-10*

DATE (mm/dd/yy)	TIME (hr:min)	TEMP DEG C°	STD VALUE	INSTRUMENT RESPONSE	% DEV	PASS/ FAIL	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
9/30/09	0941	22.15	2000	2016	< 5%	P	No	INIT	MH
9/30/09	0943	22.24	500	505	< 5%	P	No	INIT	MH
9/30/09	0945	22.32	84	103	> 5%	F	No	INIT	MH
9/30/09	1647	23.43	2000	1994	< 5%	P	No	FINAL	MH
9/30/09	1649	23.39	500	521	< 5%	P	No	FINAL	MH
9/30/09	1651	23.51	84	98	> 5%	F	No	FINAL	MH

Acceptable calibration check is if the meter reads within +/- 5% of the appropriate calibration standard.

Golder Associates

Field Instrument Turbidity Calibration Records

INSTRUMENT (MAKE/MODEL NO.) **2100P Turbidimeter** **INSTRUMENT NO.** HT-1

Project Number: 003-3976.17 0004 **Project Name:** Nine Mile Road Landfill

Standard Vendor: HACH

Prepared Date: AUG-09 **Where Prepared:** Golder Associates Inc.

Purchase Date: AUG-09 **Expiration Date:** AUG-11

Standard 0.1-10 Nephelometric Turbidity Unit Lot# A9212

Standard 11.0-40 Nephelometric Turbidity Unit Lot# A9211

Standard 41.0-100 Nephelometric Turbidity Unit Lot# A9216

Standard >100 Nephelometric Turbidity Unit Lot# A9215

DATE (mm/dd/yy)	TIME (hr:min)	TEMP DEG C	STD VALUE	INSTRUMENT RESPONSE	% DEV	PASS/ FAIL	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
9/30/09	0943	-	5.52	5.42	<10 %	P	No	INIT	MH
9/30/09	0945	-	69.0	68.8	<6.5 %	P	No	INIT	MH
9/30/09	0947	-	604	608	<5 %	P	No	INIT	MH
9/30/09	1621	-	5.52	5.79	<10 %	P	No	FINAL	MH
9/30/09	1622	-	69.0	70.1	<6.5 %	P	No	FINAL	MH
9/30/09	1623	-	604	601	<5 %	P	No	FINAL	MH

Calibration values for turbidity needs to be within 10% of the standard for values between 0.1-1.0 NTU; 8% for values between 11-40 NTU; 6.5% for values between 41-100 NTU and 5% for values >100 NTU.

Golder Associates

Field Instrument Dissolved Oxygen & Oxidation-Reduction Potential Calibration Records

INSTRUMENT (MAKE/MODEL NO.) YSI 556 MPS **INSTRUMENT NO.** 02194

STANDARD INFORMATION

Project Number: 003-3976.17 0004 **Project Name:** Nine Mile Road Landfill

Standard Vendor: GEOTECH

Prepared Date: AUG-09 **Where Prepared:** Golder Associates Inc.

Grade: NA **DO Units:** mg/L **ORP Units:** mV

ORP Standard Lot # 9AG004 **Exp Date:** APR-10 **Pur Date:** AUG-09

DO Standard Air Calibration Chamber in Air (Table FS 2200-2)

Standard

Standard

DATE (mm/dd/yy)	TIME (hr:min)	TEMP DEG C	CHART 100% VALUE	INSTRUMENT RESPONSE	% DEV	PASS/ FAIL	CALIBRATED (YES, NO)	TYPE (INIT, CONT)	SAMPLER INITIALS
9/30/09	0933	18.63	9.352	104.2 9.13 9.33	<0.3	P	No	INIT	MH
9/30/09	1623 ~~0925~~ MH	21.81	8.777	98.6 8.66 8.78	<0.3	P	No	FINAL	MH

ORP

9/30/09	0935	21.24	~226	227.5	<10 mV	P	No	INIT	MH
9/30/09	1625	22.14	~224	226.4	<10 mV	P	No	FINAL	MH

Acceptable calibration check is if the meter reads within +/- 0.3 mg/L of the value of appropriate calibration standard. Need to record DO readings in mg/L and use Table FS 2200-2 "Dissolved Oxygen Saturation". ORP calibration reading must be within +/- 10 mV from the theoretical redox standard value at that temperature.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	NINE MILE ROAD LANDFILL 003-3976-17 0004	SITE LOCATION:	ST. AUGUSTINE, FL
WELL NO: MW-3	SAMPLE ID: MW-3	DATE: 9/30/2009	

PURGING DATA

WELL DIAMETER (Inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 9.5 feet to 19.5 feet	STATIC DEPTH TO WATER (feet): 10.57	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (19.5 feet – 10.57 feet) X 0.16 gallons/foot = 1.4288 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15 (MP)	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15 (MP)	PURGING INITIATED AT: 1049	PURGING ENDED AT: 1145	TOTAL VOLUME PURGED (gallons): 6.10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1139	5.00	5.00	0.10	10.70	6.68	27.83	1932	0.25/3.1%	1.65	-110.1	Strained brown, mulch odor
1142	0.30	5.80	0.10	10.70	6.68	27.73	1936	0.24/3.0%	1.24	-107.1	" "
1145	0.30	6.10	0.10	10.70	6.68	27.65	1937	0.23/3.0%	1.09	-103.9	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hpt	SAMPLING INITIATED AT: 1146	SAMPLING ENDED AT: 1150
PUMP OR TUBING DEPTH IN WELL (feet): 15 (MP)	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-3	3	CG	40 ml	-	-	-	Benzene	RFPP	<100 ml/min

REMARKS:

CO2 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17 0004		SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: CW-5	SAMPLE ID: CW-5	DATE: 9/30/2009	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7 feet to 17 feet	STATIC DEPTH TO WATER (feet): 4.40	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME x3 = 1.14
(only fill out if applicable)
= 0 gallons + (0.0026 gallons/foot X 50 feet) + 0.25 gallons = 0.38 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
12	12	1205	1301	5.60

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1255	5.00	5.00	0.10	4.53	6.65	30.98	2873	0.28/3.7%	0.71	-84.2	Slightly Stained Lt-Y Slight petro odor
1258	0.30	5.30	0.10	4.53	6.67	31.16	2871	0.24/3.3%	0.74	-88.3	" "
1301	0.30	5.60	0.10	4.53	6.67	31.18	2873	0.25/3.5%	0.76	-90.5	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hamp	SAMPLING INITIATED AT: 1302	SAMPLING ENDED AT: 1305
PUMP OR TUBING DEPTH IN WELL (feet): 12	TUBING MATERIAL CODE: PE HDPE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CW-5	1	PE	250 ml	HNO3	-	< 2.0	Sodium	APP	< 100 ml/min

REMARKS:

CO2 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME:	NINE MILE ROAD LANDFILL 003-3976-17 0004	SITE LOCATION:	ST. AUGUSTINE, FL
WELL NO: CW-5R	SAMPLE ID: CW-5R	DATE:	9/30/2009

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 4.5 feet to 19.5 feet	STATIC DEPTH TO WATER (feet): 6.91	PURGE PUMP TYPE OR BAILER: PP

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

= (19.5 feet – 6.91 feet) X 0.16 gallons/foot = 2.0144 gallons

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

= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet):	FINAL PUMP OR TUBING DEPTH IN WELL (feet):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):
13	13	1508	1619	7.10

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1613	6.50	6.50	0.10	6.99	6.61	28.45	2797	0.22/2.8%	1.76	-76.4	Stained slight yellow
1616	0.30	6.80	0.10	6.99	6.62	28.42	2754	0.21/2.8%	0.68	-77.1	" "
1619	0.30	7.10	0.10	6.99	6.64	28.42	2795	0.21/2.7%	0.43	-77.7	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hamp	SAMPLING INITIATED AT: 1620	SAMPLING ENDED AT: 1623
PUMP OR TUBING DEPTH IN WELL (feet): 13	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CW-5R	1	PE	250 ml	HNO3	-	<2.0	Sodium	APP	<100 ml/min

REMARKS:

C02 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units Temperature: ± 0.2 °C Specific Conductance: ± 5% Dissolved Oxygen: all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) Turbidity: all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17 0004		SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: CW-8	SAMPLE ID: CW-8		DATE: 9/30/2009

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7.5 feet to 17.5 feet	STATIC DEPTH TO WATER (feet): 5.160	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (feet – feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME 1.023
(only fill out if applicable)
= 0 gallons + (0.0026 gallons/foot X 35 feet) + 0.25 gallons = 0.341 gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.5	PURGING INITIATED AT: 0932	PURGING ENDED AT: 1026	TOTAL VOLUME PURGED (gallons): 5.85

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm (or µS/cm)	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1020	5.25	5.25	0.10	5.80	6.76	27.40	2889	0.35/4.4%	0.83	-275.8	Stained light Fuel Sulfur/H2S odor
1023	0.30	5.55	0.10	5.86	6.76	27.49	2892	0.33/4.2%	0.666	-282.8	" "
1026	0.30	5.85	0.10	5.80	6.76	27.24	2897	0.35/4.5%	0.80	-286.9	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hpt	SAMPLING INITIATED AT: 1027	SAMPLING ENDED AT: 1031
PUMP OR TUBING DEPTH IN WELL (feet): 12.5	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: — µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
CW-8	3	CG	40 ml	-	-	-	Benzene	RFPP	<100 ml/min
CW-8	1	PE	250 ml	HNO3	-	<2.0	Arsenic	APP	<100 ml/min

REMARKS:

C02 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: NINE MILE ROAD LANDFILL 003-3976-17 0004		SITE LOCATION: ST. AUGUSTINE, FL	
WELL NO: MW-10	SAMPLE ID: MW-10		DATE: 9/30/2009

PURGING DATA

WELL DIAMETER (Inches): 2	TUBING DIAMETER (inches): 1/4	WELL SCREEN INTERVAL DEPTH: 7.5 feet to 22.5 feet	STATIC DEPTH TO WATER (feet): 9.00	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (22.5 feet – 9.00 feet) X 0.16 gallons/foot = 2.16 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 15.75	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 15.75	PURGING INITIATED AT: 1308	PURGING ENDED AT: 1428	TOTAL VOLUME PURGED (gallons): 8.00

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	ORP	COLOR/ODOR (describe)
1358	5.00	5.00	0.10	9.12	5.98	27.40	2672	0.17/2.2%	3.00	-183.8	strong sulfur odor
1401	0.30	5.30	0.10	9.12	5.98	27.36	2674	0.18/2.3%	2.46	-182.8	" "
1404	0.30	5.60	0.10	9.12	5.99	27.40	2675	0.18/2.4%	2.77	-181.8	" "
1422	1.80	7.40	0.10	9.12	5.97	27.60	2658	0.21/2.7%	1.90	-186.1	" "
1425	0.30	7.70	0.10	9.12	5.97	27.59	2660	0.20/2.5%	1.97	-183.4	" "
1428	0.30	8.00	0.10	9.12	5.97	27.74	2645	0.20/2.5%	2.02	-186.6	" "

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

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

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Matthew Hampton / Golder Associates Inc.	SAMPLER(S) SIGNATURE(S): M. Hpt	SAMPLING INITIATED AT: 1429	SAMPLING ENDED AT: 1432
PUMP OR TUBING DEPTH IN WELL (feet): 15.75	TUBING MATERIAL CODE: PE	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ___ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y (N) (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION					
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
MW-10	1	PE	250 ml	HNO3	-	<2.0	Sodium, Arsenic	APP	<100ml/min

REMARKS:

C02 (mg/l): NA Fe+2 (mg/l): NA H2S (mg/l): NA

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

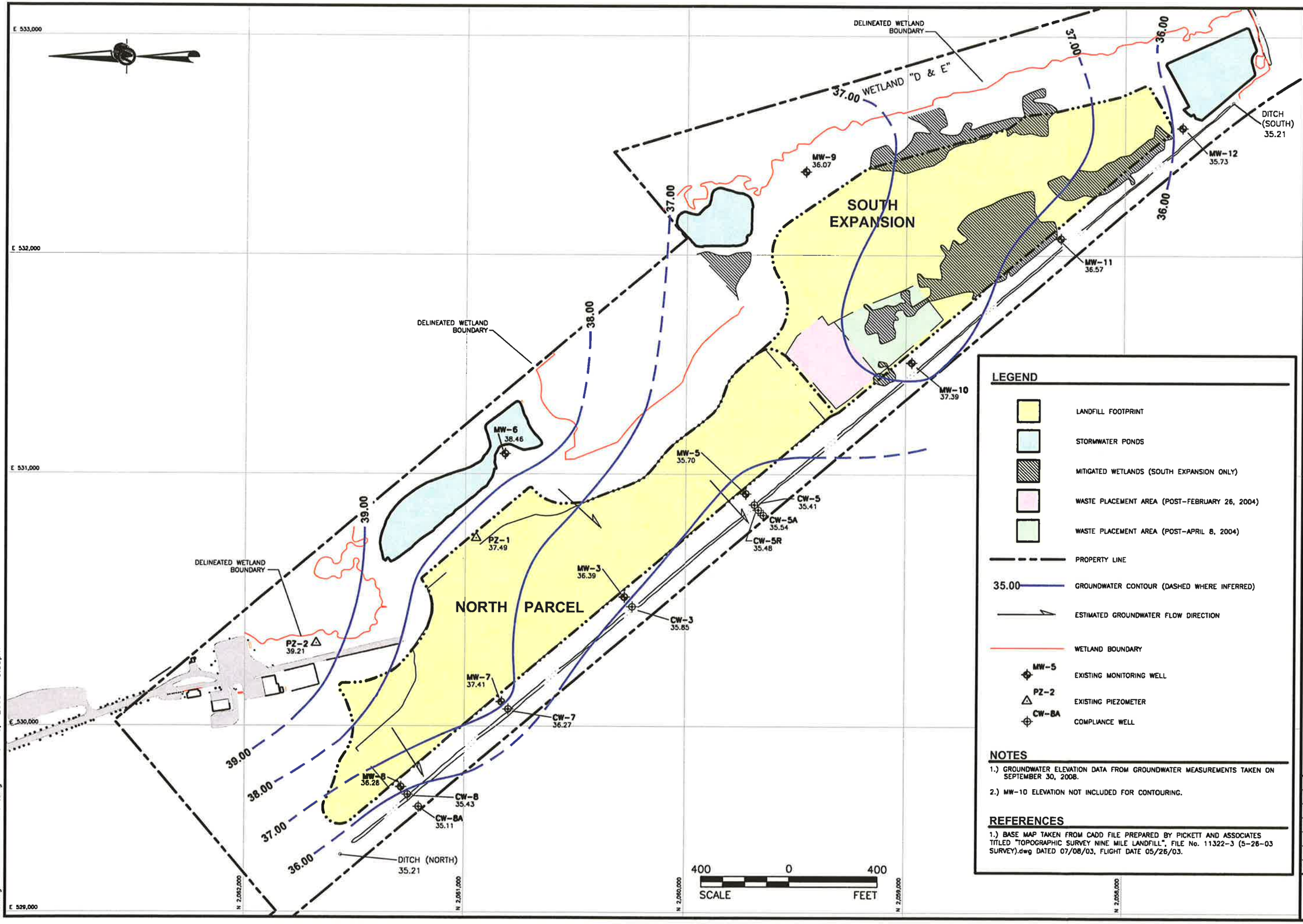
NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)
"J" = indicates that the calibration result for the parameter of concern was outside of the acceptable criteria for standard range.

ATTACHMENT B

GROUNDWATER LEVEL CONTOUR MAP (AUGUST 27, 2009)



NOTES

1.) GROUNDWATER ELEVATION DATA FROM GROUNDWATER MEASUREMENTS TAKEN ON SEPTEMBER 30, 2008.

2.) MW-10 ELEVATION NOT INCLUDED FOR CONTOURING.

REFERENCES

1.) BASE MAP TAKEN FROM CADD FILE PREPARED BY PICKETT AND ASSOCIATES TITLED "TOPOGRAPHIC SURVEY NINE MILE LANDFILL", FILE No. 11322-3 (5-26-03 SURVEY).dwg DATED 07/08/03, FLIGHT DATE 05/26/03.

Golder Associates
Jacksonville, Florida

PROJECT
REPUBLIC SERVICES, INC.
NINE MILE ROAD LANDFILL
ST. JOHNS COUNTY, FLORIDA

TITLE
GROUNDWATER ELEVATION CONTOUR MAP - AUGUST 27, 2009 -

PROJECT No. 003-3976		
FILE No. 0033976-W001		
REV. 0	SCALE AS SHOWN	
DESIGN	RWP	09/01/09
CADD	PMD	09/01/09
CHECK	RWP	11/16/09
REVIEW	KBK	11/16/09

FIGURE 1

Drawing file: 0033976-W001.dwg Nov 16, 2009 - 3:53pm

ATTACHMENT C

ADAPT DATA PACKAGE

FILES ON CD

ATTACHMENT D

ANALYTICAL RESULTS AND CHAIN-OF-CUSTODY (ENCO)

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 211
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

www.encolabs.com

Friday, September 11, 2009

Golder Associates, Inc. (GO001)

Attn: Mr. Rich Poff

9428 Baymeadows Road, Suite 400

Jacksonville, FL 32256-7979

RE: Laboratory Results for
Project Number: 003-3976-13, Project Name/Desc: Nine Mile Road
ENCO Workorder: B904152

Dear Mr. Rich Poff,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, August 27, 2009.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Jacksonville. Data from outside organizations will be reported under separate cover.

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

Sincerely,

Lorraine Strong

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 35.

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-6 **Lab ID:** B904152-01 **Sampled:** 08/27/09 12:25 **Received:** 08/27/09 16:57

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/29/09 12:25	08/28/09 10:56	8/28/2009 11:45
EPA 300.0	09/25/09	08/28/09 10:56	8/28/2009 11:45
EPA 350.1	09/25/09	09/01/09 08:19	9/1/2009 11:01
EPA 420.1	09/24/09	08/31/09 15:10	9/1/2009 11:00
EPA 6010C	02/23/10	08/28/09 15:03	8/31/2009 15:04
EPA 7470A	09/24/09	08/31/09 10:49	9/1/2009 11:26
SM 2540C	09/03/09	08/28/09 17:00	8/30/2009 15:40

Client ID: MW-9 **Lab ID:** B904152-02 **Sampled:** 08/27/09 13:50 **Received:** 08/27/09 16:57

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/29/09 13:50	08/28/09 10:56	8/28/2009 12:04
EPA 300.0	09/25/09	08/28/09 10:56	8/28/2009 12:04
EPA 350.1	09/25/09	09/01/09 08:19	9/1/2009 11:27
EPA 420.1	09/24/09	08/31/09 10:38	9/1/2009 11:00
EPA 6010C	02/23/10	08/28/09 15:03	8/31/2009 15:07
EPA 7470A	09/24/09	08/31/09 10:49	9/1/2009 11:27
SM 2540C	09/03/09	08/28/09 17:00	8/30/2009 15:40

Client ID: MW-9 **Lab ID:** B904152-02RE1 **Sampled:** 08/27/09 13:50 **Received:** 08/27/09 16:57

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/25/09	08/28/09 10:56	8/28/2009 16:58

Client ID: MW-12 **Lab ID:** B904152-03 **Sampled:** 08/27/09 14:38 **Received:** 08/27/09 16:57

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/29/09 14:38	08/28/09 10:56	8/28/2009 12:23
EPA 350.1	09/25/09	09/01/09 08:19	9/1/2009 11:28
EPA 420.1	09/24/09	08/31/09 15:10	9/1/2009 11:00
EPA 6010C	02/23/10	08/28/09 15:03	8/31/2009 15:09
EPA 7470A	09/24/09	08/31/09 10:49	9/1/2009 11:29
SM 2540C	09/03/09	08/28/09 17:00	8/30/2009 15:40

Client ID: MW-12 **Lab ID:** B904152-03RE1 **Sampled:** 08/27/09 14:38 **Received:** 08/27/09 16:57

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/25/09	08/28/09 10:56	8/28/2009 17:25

Client ID: MW-11	Lab ID: B904152-04	Sampled: 08/27/09 15:41	Received: 08/27/09 16:57

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/29/09 15:41	08/28/09 10:56	8/28/2009 12:42
EPA 300.0	09/25/09	08/28/09 10:56	8/28/2009 12:42
EPA 350.1	09/25/09	09/01/09 08:19	9/1/2009 11:20
EPA 420.1	09/24/09	09/02/09 12:39	9/3/2009 10:50
EPA 6010C	02/23/10	08/28/09 15:03	8/31/2009 15:11
EPA 6010C	02/23/10	09/04/09 14:32	9/8/2009 17:36
EPA 7470A	09/24/09	08/31/09 10:49	9/1/2009 11:30
SM 2540C	09/03/09	08/28/09 17:00	8/30/2009 15:40

Client ID: MW-11	Lab ID: B904152-04RE1	Sampled: 08/27/09 15:41	Received: 08/27/09 16:57

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/25/09	08/28/09 10:56	8/28/2009 18:24

Client ID: MW-10	Lab ID: B904152-05	Sampled: 08/27/09 16:18	Received: 08/27/09 16:57

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/29/09 16:18	08/28/09 10:56	8/28/2009 13:02
EPA 350.1	09/25/09	09/01/09 08:19	9/1/2009 11:30
EPA 420.1	09/24/09	08/31/09 15:10	9/1/2009 11:00
EPA 6010C	02/23/10	08/28/09 15:03	8/31/2009 15:13
EPA 6010C	02/23/10	09/04/09 14:32	9/8/2009 17:38
EPA 7470A	09/24/09	08/31/09 10:49	9/1/2009 11:32
SM 2540C	09/03/09	08/28/09 17:00	8/30/2009 15:40

Client ID: MW-10	Lab ID: B904152-05RE1	Sampled: 08/27/09 16:18	Received: 08/27/09 16:57

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/25/09	08/28/09 10:56	8/28/2009 18:43

SAMPLE DETECTION SUMMARY

Client ID: MW-6 **Lab ID:** B904152-01

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	453		65.0	200	ug/L	EPA 6010C	
Ammonia as N	0.92		0.010	0.020	mg/L	EPA 350.1	
Arsenic - Total	8.00	I	5.80	10.0	ug/L	EPA 6010C	
Chloride	5.7		0.24	5.0	mg/L	EPA 300.0	
Chromium - Total	3.10	I	0.800	10.0	ug/L	EPA 6010C	
Iron - Total	243		27.0	50.0	ug/L	EPA 6010C	
Nitrate as N	0.42	I	0.10	1.0	mg/L	EPA 300.0	
Sodium - Total	3710		210	500	ug/L	EPA 6010C	
Sulfate	6.6		0.11	5.0	mg/L	EPA 300.0	
Total Dissolved Solids	210		10	10	mg/L	SM 2540C	

Client ID: MW-9 **Lab ID:** B904152-02

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	1280		65.0	200	ug/L	EPA 6010C	
Ammonia as N	2.8		0.020	0.040	mg/L	EPA 350.1	
Chloride	30		0.24	5.0	mg/L	EPA 300.0	
Chromium - Total	1.67	I	0.800	10.0	ug/L	EPA 6010C	
Iron - Total	1870		27.0	50.0	ug/L	EPA 6010C	
Sodium - Total	37700		210	500	ug/L	EPA 6010C	
Total Dissolved Solids	380		10	10	mg/L	SM 2540C	

Client ID: MW-9 **Lab ID:** B904152-02RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	190		0.55	25	mg/L	EPA 300.0	

Client ID: MW-12 **Lab ID:** B904152-03

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	432		65.0	200	ug/L	EPA 6010C	
Ammonia as N	7.8		0.050	0.10	mg/L	EPA 350.1	
Arsenic - Total	10.9		5.80	10.0	ug/L	EPA 6010C	
Chromium - Total	1.49	I	0.800	10.0	ug/L	EPA 6010C	
Iron - Total	806		27.0	50.0	ug/L	EPA 6010C	
Sodium - Total	46300		210	500	ug/L	EPA 6010C	
Total Dissolved Solids	954		10	10	mg/L	SM 2540C	

Client ID: MW-12 **Lab ID:** B904152-03RE1

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	90		1.2	25	mg/L	EPA 300.0	
Sulfate	200		0.55	25	mg/L	EPA 300.0	

Client ID: MW-11 **Lab ID:** B904152-04

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	111	I	65.0	200	ug/L	EPA 6010C	
Ammonia as N	0.098		0.010	0.020	mg/L	EPA 350.1	
Arsenic - Dissolved	10.3		5.80	10.0	ug/L	EPA 6010C	
Arsenic - Total	17.6		5.80	10.0	ug/L	EPA 6010C	
Chloride	45		0.24	5.0	mg/L	EPA 300.0	
Chromium - Total	1.29	I	0.800	10.0	ug/L	EPA 6010C	

Client ID: MW-11			Lab ID: B904152-04				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Iron - Total	9210		27.0	50.0	ug/L	EPA 6010C	
Iron - Dissolved	8110		27.0	50.0	ug/L	EPA 6010C	
Nitrate as N	0.47	I	0.10	1.0	mg/L	EPA 300.0	
Sodium - Total	24900		210	500	ug/L	EPA 6010C	
Total Dissolved Solids	660		10	10	mg/L	SM 2540C	

Client ID: MW-11			Lab ID: B904152-04RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Sulfate	130		0.55	25	mg/L	EPA 300.0	

Client ID: MW-10			Lab ID: B904152-05				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Aluminum - Total	606		65.0	200	ug/L	EPA 6010C	
Aluminum - Dissolved	433		65.0	200	ug/L	EPA 6010C	
Ammonia as N	19		0.20	0.40	mg/L	EPA 350.1	
Arsenic - Total	131		5.80	10.0	ug/L	EPA 6010C	
Arsenic - Dissolved	127		5.80	10.0	ug/L	EPA 6010C	
Chromium - Total	55.1		0.800	10.0	ug/L	EPA 6010C	
Iron - Dissolved	8400		27.0	50.0	ug/L	EPA 6010C	
Iron - Total	9150		27.0	50.0	ug/L	EPA 6010C	
Sodium - Dissolved	211000		210	500	ug/L	EPA 6010C	
Sodium - Total	212000		210	500	ug/L	EPA 6010C	
Total Dissolved Solids	2120		10	10	mg/L	SM 2540C	

Client ID: MW-10			Lab ID: B904152-05RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chloride	140		2.4	50	mg/L	EPA 300.0	
Sulfate	450		1.1	50	mg/L	EPA 300.0	

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ANALYTICAL RESULTS

Description: MW-6
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B904152-01
Sampled: 08/27/09 12:25
Sampled By: Matthew Hampton

Received: 08/27/09 16:57
Work Order: B904152

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9H31004	EPA 7470A	09/01/09 11:26	sma	

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Description:	MW-6	**Lab Sample ID:**	B904152-01	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 12:25	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**453**		ug/L	1	65.0	200	9H28010	EPA 6010C	08/31/09 15:04	ACV	
Arsenic [7440-38-2] ^	**8.00**	I	ug/L	1	5.80	10.0	9H28010	EPA 6010C	08/31/09 15:04	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H28010	EPA 6010C	08/31/09 15:04	ACV	
Chromium [7440-47-3] ^	**3.10**	I	ug/L	1	0.800	10.0	9H28010	EPA 6010C	08/31/09 15:04	ACV	
Iron [7439-89-6] ^	**243**		ug/L	1	27.0	50.0	9H28010	EPA 6010C	08/31/09 15:04	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H28010	EPA 6010C	08/31/09 15:04	ACV	
Sodium [7440-23-5] ^	**3710**		ug/L	1	210	500	9H28010	EPA 6010C	08/31/09 15:04	ACV	

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Description: MW-6
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B904152-01
Sampled: 08/27/09 12:25
Sampled By: Matthew Hampton

Received: 08/27/09 16:57
Work Order: B904152

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**210**		mg/L	1	10	10	9H27021	SM 2540C	08/30/09 15:40	GMB	

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Description:	MW-6	**Lab Sample ID:**	B904152-01	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 12:25	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**0.92**		mg/L	1	0.010	0.020	9I01003	EPA 350.1	09/01/09 11:01	KG	
Chloride [16887-00-6] ^	**5.7**		mg/L	1	0.24	5.0	9H28001	EPA 300.0	08/28/09 11:45	RSA	
Nitrate as N [14797-55-8] ^	**0.42**	I	mg/L	1	0.10	1.0	9H28001	EPA 300.0	08/28/09 11:45	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9H31006	EPA 420.1	09/01/09 11:00	CAS	
Sulfate [14808-79-8] ^	**6.6**		mg/L	1	0.11	5.0	9H28001	EPA 300.0	08/28/09 11:45	RSA	

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Description:	MW-9	**Lab Sample ID:**	B904152-02	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 13:50	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9H31004	EPA 7470A	09/01/09 11:27	sma	

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Description: MW-9
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B904152-02
Sampled: 08/27/09 13:50
Sampled By: Matthew Hampton

Received: 08/27/09 16:57
Work Order: B904152

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**1280**		ug/L	1	65.0	200	9H28010	EPA 6010C	08/31/09 15:07	ACV	
Arsenic [7440-38-2] ^	5.80	U	ug/L	1	5.80	10.0	9H28010	EPA 6010C	08/31/09 15:07	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H28010	EPA 6010C	08/31/09 15:07	ACV	
Chromium [7440-47-3] ^	**1.67**	I	ug/L	1	0.800	10.0	9H28010	EPA 6010C	08/31/09 15:07	ACV	
Iron [7439-89-6] ^	**1870**		ug/L	1	27.0	50.0	9H28010	EPA 6010C	08/31/09 15:07	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H28010	EPA 6010C	08/31/09 15:07	ACV	
Sodium [7440-23-5] ^	**37700**		ug/L	1	210	500	9H28010	EPA 6010C	08/31/09 15:07	ACV	

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Description:	MW-9	**Lab Sample ID:**	B904152-02	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 13:50	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**380**		mg/L	1	10	10	9H27021	SM 2540C	08/30/09 15:40	GMB	

Description:	MW-9	**Lab Sample ID:**	B904152-02	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 13:50	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**2.8**		mg/L	2	0.020	0.040	9I01003	EPA 350.1	09/01/09 11:27	KG	
Chloride [16887-00-6] ^	**30**		mg/L	1	0.24	5.0	9H28001	EPA 300.0	08/28/09 12:04	RSA	
Nitrate as N [14797-55-8] ^	0.10	U	mg/L	1	0.10	1.0	9H28001	EPA 300.0	08/28/09 12:04	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9H31006	EPA 420.1	09/01/09 11:00	CAS	
Sulfate [14808-79-8] ^	**190**		mg/L	5	0.55	25	9H28001	EPA 300.0	08/28/09 16:58	RSA	

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Description:	MW-12	**Lab Sample ID:**	B904152-03	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 14:38	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9H31004	EPA 7470A	09/01/09 11:29	sma	

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Description:	MW-12	**Lab Sample ID:**	B904152-03	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 14:38	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**432**		ug/L	1	65.0	200	9H28010	EPA 6010C	08/31/09 15:09	ACV	
Arsenic [7440-38-2] ^	**10.9**		ug/L	1	5.80	10.0	9H28010	EPA 6010C	08/31/09 15:09	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H28010	EPA 6010C	08/31/09 15:09	ACV	
Chromium [7440-47-3] ^	**1.49**	I	ug/L	1	0.800	10.0	9H28010	EPA 6010C	08/31/09 15:09	ACV	
Iron [7439-89-6] ^	**806**		ug/L	1	27.0	50.0	9H28010	EPA 6010C	08/31/09 15:09	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H28010	EPA 6010C	08/31/09 15:09	ACV	
Sodium [7440-23-5] ^	**46300**		ug/L	1	210	500	9H28010	EPA 6010C	08/31/09 15:09	ACV	

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Description:	MW-12	**Lab Sample ID:**	B904152-03	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 14:38	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**954**		mg/L	1	10	10	9H27021	SM 2540C	08/30/09 15:40	GMB	

Description: MW-12
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B904152-03
Sampled: 08/27/09 14:38
Sampled By: Matthew Hampton

Received: 08/27/09 16:57
Work Order: B904152

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**7.8**		mg/L	5	0.050	0.10	9I01003	EPA 350.1	09/01/09 11:28	KG	
Chloride [16887-00-6] ^	**90**		mg/L	5	1.2	25	9H28001	EPA 300.0	08/28/09 17:25	RSA	
Nitrate as N [14797-55-8] ^	0.10	U	mg/L	1	0.10	1.0	9H28001	EPA 300.0	08/28/09 12:23	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9H31006	EPA 420.1	09/01/09 11:00	CAS	
Sulfate [14808-79-8] ^	**200**		mg/L	5	0.55	25	9H28001	EPA 300.0	08/28/09 17:25	RSA	

Description:	MW-11	**Lab Sample ID:**	B904152-04	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 15:41	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9H31004	EPA 7470A	09/01/09 11:30	sma	

Description: MW-11 | **Lab Sample ID:** B904152-04 | **Received:** 08/27/09 16:57
Matrix: Ground Water | **Sampled:** 08/27/09 15:41 | **Work Order:** B904152
Project: Nine Mile Road | **Sampled By:** Matthew Hampton

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**111**	I	ug/L	1	65.0	200	9H28010	EPA 6010C	08/31/09 15:11	ACV	
Arsenic [7440-38-2] ^	**17.6**		ug/L	1	5.80	10.0	9H28010	EPA 6010C	08/31/09 15:11	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H28010	EPA 6010C	08/31/09 15:11	ACV	
Chromium [7440-47-3] ^	**1.29**	I	ug/L	1	0.800	10.0	9H28010	EPA 6010C	08/31/09 15:11	ACV	
Iron [7439-89-6] ^	**9210**		ug/L	1	27.0	50.0	9H28010	EPA 6010C	08/31/09 15:11	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H28010	EPA 6010C	08/31/09 15:11	ACV	
Sodium [7440-23-5] ^	**24900**		ug/L	1	210	500	9H28010	EPA 6010C	08/31/09 15:11	ACV	

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Description:	MW-11	**Lab Sample ID:**	B904152-04	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 15:41	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**10.3**		ug/L	1	5.80	10.0	9I04014	EPA 6010C	09/08/09 17:36	ACV	
Iron [7439-89-6] ^	**8110**		ug/L	1	27.0	50.0	9I04014	EPA 6010C	09/08/09 17:36	ACV	

Description:	MW-11	**Lab Sample ID:**	B904152-04	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 15:41	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**660**		mg/L	1	10	10	9H27021	SM 2540C	08/30/09 15:40	GMB	

Description: MW-11
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B904152-04
Sampled: 08/27/09 15:41
Sampled By: Matthew Hampton

Received: 08/27/09 16:57
Work Order: B904152

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**0.098**		mg/L	1	0.010	0.020	9I01003	EPA 350.1	09/01/09 11:20	KG	
Chloride [16887-00-6] ^	**45**		mg/L	1	0.24	5.0	9H28001	EPA 300.0	08/28/09 12:42	RSA	
Nitrate as N [14797-55-8] ^	**0.47**	I	mg/L	1	0.10	1.0	9H28001	EPA 300.0	08/28/09 12:42	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9I02024	EPA 420.1	09/03/09 10:50	CAS	
Sulfate [14808-79-8] ^	**130**		mg/L	5	0.55	25	9H28001	EPA 300.0	08/28/09 18:24	RSA	

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Description:	MW-10	**Lab Sample ID:**	B904152-05	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 16:18	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9H31004	EPA 7470A	09/01/09 11:32	sma	

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Description: MW-10
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B904152-05
Sampled: 08/27/09 16:18
Sampled By: Matthew Hampton

Received: 08/27/09 16:57
Work Order: B904152

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**606**		ug/L	1	65.0	200	9H28010	EPA 6010C	08/31/09 15:13	ACV	
Arsenic [7440-38-2] ^	**131**		ug/L	1	5.80	10.0	9H28010	EPA 6010C	08/31/09 15:13	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H28010	EPA 6010C	08/31/09 15:13	ACV	
Chromium [7440-47-3] ^	**55.1**		ug/L	1	0.800	10.0	9H28010	EPA 6010C	08/31/09 15:13	ACV	
Iron [7439-89-6] ^	**9150**		ug/L	1	27.0	50.0	9H28010	EPA 6010C	08/31/09 15:13	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H28010	EPA 6010C	08/31/09 15:13	ACV	
Sodium [7440-23-5] ^	**212000**		ug/L	1	210	500	9H28010	EPA 6010C	08/31/09 15:13	ACV	

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Description:	MW-10	**Lab Sample ID:**	B904152-05	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 16:18	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**433**		ug/L	1	65.0	200	9I04014	EPA 6010C	09/08/09 17:38	ACV	
Arsenic [7440-38-2] ^	**127**		ug/L	1	5.80	10.0	9I04014	EPA 6010C	09/08/09 17:38	ACV	
Iron [7439-89-6] ^	**8400**		ug/L	1	27.0	50.0	9I04014	EPA 6010C	09/08/09 17:38	ACV	
Sodium [7440-23-5] ^	**211000**		ug/L	1	210	500	9I04014	EPA 6010C	09/08/09 17:38	ACV	

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Description:	MW-10	**Lab Sample ID:**	B904152-05	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 16:18	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**2120**		mg/L	1	10	10	9H27021	SM 2540C	08/30/09 15:40	GMB	

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Description:	MW-10	**Lab Sample ID:**	B904152-05	**Received:**	08/27/09 16:57
Matrix:	Ground Water	**Sampled:**	08/27/09 16:18	**Work Order:**	B904152
Project:	Nine Mile Road	**Sampled By:**	Matthew Hampton		

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**19**		mg/L	20	0.20	0.40	9I01003	EPA 350.1	09/01/09 11:30	KG	
Chloride [16887-00-6] ^	**140**		mg/L	10	2.4	50	9H28001	EPA 300.0	08/28/09 18:43	RSA	
Nitrate as N [14797-55-8] ^	0.10	U	mg/L	1	0.10	1.0	9H28001	EPA 300.0	08/28/09 13:02	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9H31006	EPA 420.1	09/01/09 11:00	CAS	
Sulfate [14808-79-8] ^	**450**		mg/L	10	1.1	50	9H28001	EPA 300.0	08/28/09 18:43	RSA	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9H31004 - EPA 245.1

Blank (9H31004-BLK1) Prepared: 08/31/2009 10:49 Analyzed: 09/01/2009 11:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0460	U	0.200	ug/L							

LCS (9H31004-BS1) Prepared: 08/31/2009 10:49 Analyzed: 09/01/2009 11:12

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.46		0.200	ug/L	5.00		109	85-115			

Matrix Spike (9H31004-MS1) Prepared: 08/31/2009 10:49 Analyzed: 09/01/2009 11:13

Source: B904152-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.31		0.200	ug/L	5.00	0.0460 U	106	85-115			

Matrix Spike Dup (9H31004-MSD1) Prepared: 08/31/2009 10:49 Analyzed: 09/01/2009 11:15

Source: B904152-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.28		0.200	ug/L	5.00	0.0460 U	106	85-115	0.5	25	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 9H28010 - EPA 3005A

Blank (9H28010-BLK1) Prepared: 08/28/2009 15:03 Analyzed: 08/31/2009 11:59

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	65.0	U	200	ug/L							
Arsenic	5.80	U	10.0	ug/L							
Cadmium	0.420	U	1.00	ug/L							
Chromium	0.800	U	10.0	ug/L							
Iron	27.0	U	50.0	ug/L							
Lead	2.40	U	10.0	ug/L							
Sodium	210	U	500	ug/L							

LCS (9H28010-BS1) Prepared: 08/28/2009 15:03 Analyzed: 08/31/2009 14:16

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	9780		200	ug/L	10000		98	85-115			
Arsenic	1010		10.0	ug/L	1000		101	85-115			
Cadmium	500		1.00	ug/L	500		100	85-115			
Chromium	1000		10.0	ug/L	1000		100	85-115			
Iron	10000		50.0	ug/L	10000		100	85-115			
Lead	1010		10.0	ug/L	1000		101	85-115			
Sodium	49700		500	ug/L	50000		99	85-115			

Matrix Spike (9H28010-MS1) Prepared: 08/28/2009 15:03 Analyzed: 08/31/2009 14:25

Source: B904152-01

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 9H28010 - EPA 3005A

Matrix Spike (9H28010-MS1) Continued Prepared: 08/28/2009 15:03 Analyzed: 08/31/2009 14:25

Source: B904152-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10300		200	ug/L	10000	453	99	80-120			
Arsenic	1050		10.0	ug/L	1000	8.00	104	80-120			
Cadmium	507		1.00	ug/L	500	0.420 U	101	80-120			
Chromium	1040		10.0	ug/L	1000	3.10	103	80-120			
Iron	10500		50.0	ug/L	10000	243	103	80-120			
Lead	1030		10.0	ug/L	1000	2.40 U	103	80-120			
Sodium	53800		500	ug/L	50000	3710	100	80-120			

Matrix Spike Dup (9H28010-MSD1) Prepared: 08/28/2009 15:03 Analyzed: 08/31/2009 14:28

Source: B904152-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10300		200	ug/L	10000	453	99	80-120	0.2	30	
Arsenic	1050		10.0	ug/L	1000	8.00	105	80-120	0.5	30	
Cadmium	507		1.00	ug/L	500	0.420 U	101	80-120	0.005	30	
Chromium	1040		10.0	ug/L	1000	3.10	103	80-120	0.08	30	
Iron	10500		50.0	ug/L	10000	243	103	80-120	0.2	30	
Lead	1030		10.0	ug/L	1000	2.40 U	103	80-120	0.2	30	
Sodium	54500		500	ug/L	50000	3710	102	80-120	1	30	

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 9I04014 - EPA 3005A

Blank (9I04014-BLK1) Prepared: 09/04/2009 14:32 Analyzed: 09/08/2009 15:29

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	65.0	U	200	ug/L							
Arsenic	5.80	U	10.0	ug/L							
Iron	27.0	U	50.0	ug/L							
Sodium	210	U	500	ug/L							

LCS (9I04014-BS1) Prepared: 09/04/2009 14:32 Analyzed: 09/08/2009 16:47

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10100		200	ug/L	10000		101	85-115			
Arsenic	1020		10.0	ug/L	1000		102	85-115			
Iron	9940		50.0	ug/L	10000		99	85-115			
Sodium	52300		500	ug/L	50000		105	85-115			

Matrix Spike (9I04014-MS1) Prepared: 09/04/2009 14:32 Analyzed: 09/08/2009 16:50

Source: B904123-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10200		200	ug/L	10000	188	100	80-120			
Arsenic	1000		10.0	ug/L	1000	5.80 U	100	80-120			
Iron	9900		50.0	ug/L	10000	27.0 U	99	80-120			

QUALITY CONTROL

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 9I04014 - EPA 3005A

Matrix Spike (9I04014-MS1) Continued Prepared: 09/04/2009 14:32 Analyzed: 09/08/2009 16:50

Source: B904123-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sodium	52900		500	ug/L	50000	1980	102	80-120			

Matrix Spike Dup (9I04014-MSD1) Prepared: 09/04/2009 14:32 Analyzed: 09/08/2009 16:59

Source: B904123-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10200		200	ug/L	10000	188	100	80-120	0.3	30	
Arsenic	1010		10.0	ug/L	1000	5.80 U	101	80-120	0.4	30	
Iron	9820		50.0	ug/L	10000	27.0 U	98	80-120	0.9	30	
Sodium	52900		500	ug/L	50000	1980	102	80-120	0.06	30	

Classical Chemistry Parameters - Quality Control

Batch 9H27021 - Same

Blank (9H27021-BLK1) Prepared: 08/28/2009 17:00 Analyzed: 08/30/2009 15:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (9H27021-BS1) Prepared: 08/28/2009 17:00 Analyzed: 08/30/2009 15:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	340		10	mg/L	350		97	90-110			

Duplicate (9H27021-DUP1) Prepared: 08/28/2009 17:00 Analyzed: 08/30/2009 15:40

Source: B904152-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	2140		10	mg/L		2120			0.9	10	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9H28001 - NO PREP

Blank (9H28001-BLK1) Prepared: 08/28/2009 09:20 Analyzed: 08/28/2009 10:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.24	U	5.0	mg/L							
Nitrate as N	0.10	U	1.0	mg/L							
Sulfate	0.11	U	5.0	mg/L							

LCS (9H28001-BS1) Prepared: 08/28/2009 09:20 Analyzed: 08/28/2009 10:47

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	49		5.0	mg/L	50.0		98	90-110		10	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9H28001 - NO PREP

LCS (9H28001-BS1) Continued Prepared: 08/28/2009 09:20 Analyzed: 08/28/2009 10:47

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate as N	9.6		1.0	mg/L	10.0		96	90-110		10	
Sulfate	48		5.0	mg/L	50.0		95	90-110		10	

Matrix Spike (9H28001-MS1) Prepared: 08/28/2009 10:56 Analyzed: 08/28/2009 11:06

Source: B904152-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	57		5.0	mg/L	51.0	5.7	100	90-110		10	
Nitrate as N	10		1.0	mg/L	10.2	0.42	95	90-110		10	
Sulfate	56		5.0	mg/L	51.0	6.6	98	90-110		10	

Matrix Spike Dup (9H28001-MSD1) Prepared: 08/28/2009 10:56 Analyzed: 08/28/2009 11:25

Source: B904152-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	57		5.0	mg/L	51.0	5.7	100	90-110	0.3	10	
Nitrate as N	10		1.0	mg/L	10.2	0.42	95	90-110	0.2	10	
Sulfate	57		5.0	mg/L	51.0	6.6	98	90-110	0.1	10	

Batch 9H31006 - NO PREP

Blank (9H31006-BLK1) Prepared: 08/31/2009 10:38 Analyzed: 08/31/2009 16:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.01	U	0.05	mg/L							

Blank (9H31006-BLK2) Prepared: 08/31/2009 15:10 Analyzed: 09/01/2009 11:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.01	U	0.05	mg/L							

LCS (9H31006-BS1) Prepared: 08/31/2009 10:38 Analyzed: 08/31/2009 16:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.50		0.05	mg/L	0.500		100	78-110		10	

LCS (9H31006-BS2) Prepared: 08/31/2009 15:10 Analyzed: 09/01/2009 11:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.42		0.05	mg/L	0.500		84	78-110		10	

Matrix Spike (9H31006-MS1) Prepared: 08/31/2009 10:38 Analyzed: 08/31/2009 16:34

Source: B904152-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.47		0.05	mg/L	0.500	0.01 U	93	78-110		10	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9H31006 - NO PREP

Matrix Spike Dup (9H31006-MSD1) Prepared: 08/31/2009 10:38 Analyzed: 08/31/2009 16:34

Source: B904152-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.46		0.05	mg/L	0.500	0.01 U	92	78-110	1	10	

Batch 9I01003 - NO PREP

Blank (9I01003-BLK1) Prepared: 09/01/2009 08:19 Analyzed: 09/01/2009 10:57

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.010	U	0.020	mg/L							

LCS (9I01003-BS1) Prepared: 09/01/2009 08:19 Analyzed: 09/01/2009 11:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.0		0.020	mg/L	1.00		101	90-110			

Matrix Spike (9I01003-MS1) Prepared: 09/01/2009 08:19 Analyzed: 09/01/2009 11:02

Source: B904152-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.8		0.020	mg/L	1.00	0.92	89	90-110		10	QM-07

Matrix Spike Dup (9I01003-MSD1) Prepared: 09/01/2009 08:19 Analyzed: 09/01/2009 11:03

Source: B904152-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.8		0.020	mg/L	1.00	0.92	88	90-110	0.9	10	QM-07

Batch 9I02024 - NO PREP

Blank (9I02024-BLK1) Prepared: 09/02/2009 12:39 Analyzed: 09/03/2009 10:50

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.01	U	0.05	mg/L							

LCS (9I02024-BS1) Prepared: 09/02/2009 12:39 Analyzed: 09/03/2009 10:50

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.51		0.05	mg/L	0.500		102	78-110		10	

Matrix Spike (9I02024-MS1) Prepared: 09/02/2009 12:39 Analyzed: 09/03/2009 10:50

Source: A904186-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.55		0.05	mg/L	0.500	0.05	101	78-110		10	

Matrix Spike Dup (9I02024-MSD1) Prepared: 09/02/2009 12:39 Analyzed: 09/03/2009 10:50

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9I02024 - NO PREP

Matrix Spike Dup (9I02024-MSD1) Continued Prepared: 09/02/2009 12:39 Analyzed: 09/03/2009 10:50

Source: A904186-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.54		0.05	mg/L	0.500	0.05	98	78-110	3	10	

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value. The associated sample note or project narrative indicate the causative reason.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

[illegible] Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
[illegible] Cary, NC 27511 (919) 467-3090 Fax (919) 467-[illegible]

Page 1 of 1

Field	Entry
Client Name	Golder Associates Inc
Project Number	063-9616-17
Address	9428 Baymeadows Rd, Suite # 400
Project Name/Desc	[illegible]
City/ST/Zip	Jacksonville, FL 32256
PO # / Billing Info	
Tel	(904) 363-3430
Fax	(904) 363-[illegible]
Reporting Contact	Rich Reff
Sampler(s) Name, Affiliation (Print)	[illegible] / Golder
Billing Contact	Rich Reff
Sampler(s) Signature	[signature]
Site Location / Time Zone	

Requested Analyses: [illegible] Fe, Mn, Cd, Cr, Hg, [illegible] | Phenolics | Ammonia | TDS, Sulfate, Chloride, Nitrate | [illegible] |

Requested Turnaround Times
Note: Rush requests subject to acceptance by the facility
✓ Standard
___ Expedited
Due ___/___/___

Lab Workorder: B904152

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	N/I	S/I	S/I	I		Sample Comments
1	MW-6	8/27/09	1225	G	GW	5	1	1	1	2		[illegible]
2	MW-9	8/27/09	1530	G	GW	5	1	1	1	2		
3	MW-12	8/27/09	1438	G	GW	5	1	1	1	2		
4	MW-11	8/27/09	1541	G	GW	6	1	1	1	2	1	
5	MW-10	8/27/09	1618	G	GW	6	1	1	1	2	1	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	8/27/09 1657	[signature]	8/27/09 1657
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments: * For filtered samples only analyze corresponding metal that exceeds

Cooler #'s & Temps on Receipt: TX-215 @ 0°C

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 211
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

www.encolabs.com

Thursday, September 17, 2009

Golder Associates, Inc. (GO001)

Attn: Mr. Rich Poff

9428 Baymeadows Road, Suite 400

Jacksonville, FL 32256-7979

RE: Laboratory Results for
Project Number: 003-3976-13, Project Name/Desc: Nine Mile Road
ENCO Workorder: B903940

Dear Mr. Rich Poff,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, August 28, 2009.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Jacksonville. Data from outside organizations will be reported under separate cover.

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

Sincerely,

Lorraine Strong

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 88.

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-6	Lab ID: B903940-01	Sampled: 08/27/09 12:25	Received: 08/28/09 17:25
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	09/11/09	08/30/09 22:58	9/3/2009 03:17

Client ID: MW-9	Lab ID: B903940-02	Sampled: 08/27/09 13:50	Received: 08/28/09 17:25
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	09/11/09	08/30/09 22:58	9/3/2009 03:56

Client ID: MW-12	Lab ID: B903940-03	Sampled: 08/27/09 14:38	Received: 08/28/09 17:25
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	09/11/09	08/30/09 22:58	9/3/2009 04:35

Client ID: MW-11	Lab ID: B903940-04	Sampled: 08/27/09 15:41	Received: 08/28/09 17:25
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	09/11/09	08/30/09 22:58	9/3/2009 05:14

Client ID: MW-10	Lab ID: B903940-05	Sampled: 08/27/09 16:18	Received: 08/28/09 17:25
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	09/11/09	08/30/09 22:58	9/3/2009 05:52

Client ID: MW-5	Lab ID: B903940-06	Sampled: 08/28/09 08:44	Received: 08/28/09 17:25
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 300.0	08/30/09 08:44	08/29/09 10:26	8/29/2009 12:06
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 12:06
EPA 350.1	09/26/09	09/01/09 08:21	9/1/2009 12:12
EPA 420.1	09/25/09	09/01/09 10:04	9/1/2009 16:10
EPA 6010C	02/25/10	08/31/09 14:19	9/1/2009 15:16
EPA 6010C	02/25/10	09/10/09 13:24	9/11/2009 16:24
EPA 7470A	09/26/09	09/04/09 10:22	9/5/2009 11:48
EPA 8260B	09/12/09	08/30/09 22:58	9/3/2009 06:31
SM 2540C	09/05/09	09/01/09 17:15	9/2/2009 16:40

Client ID: MW-5	Lab ID: B903940-06RE1	Sampled: 08/28/09 08:44	Received: 08/28/09 17:25
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 17:17

Client ID: CW-5	Lab ID: B903940-07	Sampled: 08/28/09 09:20	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/30/09 09:20	08/29/09 10:26	8/29/2009 12:26
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 12:26
EPA 350.1	09/26/09	09/01/09 08:21	9/1/2009 12:38
EPA 420.1	09/25/09	09/01/09 10:04	9/2/2009 15:43
EPA 6010C	02/25/10	08/31/09 14:19	9/1/2009 15:18
EPA 6010C	02/25/10	09/10/09 13:24	9/11/2009 16:27
EPA 7470A	09/26/09	09/04/09 10:22	9/5/2009 11:50
EPA 8260B	09/12/09	08/30/09 22:58	9/3/2009 07:10
SM 2540C	09/05/09	09/01/09 17:15	9/2/2009 16:40

Client ID: CW-5	Lab ID: B903940-07RE1	Sampled: 08/28/09 09:20	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 17:37

Client ID: MW-3	Lab ID: B903940-08	Sampled: 08/28/09 10:18	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/30/09 10:18	08/29/09 10:26	8/29/2009 13:24
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 13:24
EPA 350.1	09/26/09	09/01/09 08:21	9/1/2009 12:29
EPA 420.1	09/25/09	09/01/09 10:04	9/2/2009 15:43
EPA 6010C	02/25/10	08/31/09 14:19	9/1/2009 15:21
EPA 7470A	09/26/09	09/04/09 10:22	9/5/2009 11:51
EPA 8260B	09/12/09	08/30/09 22:58	9/3/2009 07:49
SM 2540C	09/05/09	09/01/09 17:15	9/2/2009 16:40

Client ID: MW-3	Lab ID: B903940-08RE1	Sampled: 08/28/09 10:18	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 17:56

Client ID: MW-7	Lab ID: B903940-09	Sampled: 08/28/09 11:25	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/30/09 11:25	08/29/09 10:26	8/29/2009 13:43
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 13:43
EPA 350.1	09/26/09	09/01/09 08:21	9/1/2009 12:27
EPA 420.1	09/25/09	09/01/09 10:04	9/2/2009 15:43
EPA 6010C	02/25/10	08/31/09 14:19	9/1/2009 15:23
EPA 7470A	09/26/09	09/04/09 10:22	9/5/2009 11:53
EPA 8260B	09/12/09	08/30/09 22:58	9/3/2009 08:28
SM 2540C	09/05/09	09/01/09 17:15	9/2/2009 16:40

Client ID: MW-7	Lab ID: B903940-09RE1	Sampled: 08/28/09 11:25	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 18:15

Client ID: MW-8	Lab ID: B903940-10	Sampled: 08/28/09 12:02	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/30/09 12:02	08/29/09 10:26	8/29/2009 14:03
EPA 350.1	09/26/09	09/01/09 08:21	9/1/2009 12:41
EPA 420.1	09/25/09	09/01/09 10:04	9/2/2009 15:43
EPA 6010C	02/25/10	08/31/09 14:19	9/1/2009 15:25
EPA 6010C	02/25/10	09/10/09 13:24	9/11/2009 16:29
EPA 8260B	09/12/09	08/30/09 22:58	9/3/2009 09:08
SM 2540C	09/05/09	09/01/09 17:15	9/2/2009 16:40

Client ID: MW-8	Lab ID: B903940-10RE1	Sampled: 08/28/09 12:02	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 18:35
EPA 7470A	09/26/09	09/04/09 10:22	9/5/2009 14:29

Client ID: MW-8-FD	Lab ID: B903940-11	Sampled: 08/28/09 12:02	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/30/09 12:02	08/29/09 10:26	8/29/2009 14:22
EPA 350.1	09/26/09	09/01/09 08:21	9/1/2009 12:42
EPA 420.1	09/25/09	09/01/09 10:04	9/2/2009 15:43
EPA 6010C	02/25/10	08/31/09 14:12	9/1/2009 14:21
EPA 8260B	09/12/09	08/30/09 22:58	9/3/2009 09:47
SM 2540C	09/05/09	09/01/09 17:15	9/2/2009 16:40

Client ID: MW-8-FD	Lab ID: B903940-11RE1	Sampled: 08/28/09 12:02	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 18:54
EPA 7470A	09/26/09	09/04/09 10:22	9/5/2009 14:31

Client ID: CW-8	Lab ID: B903940-12	Sampled: 08/28/09 12:58	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/30/09 12:58	08/29/09 10:26	8/29/2009 14:42
EPA 350.1	09/26/09	09/01/09 08:21	9/1/2009 12:44
EPA 420.1	09/25/09	09/01/09 10:04	9/2/2009 15:43
EPA 6010C	02/25/10	08/31/09 14:12	9/1/2009 14:23
EPA 6010C	02/25/10	09/10/09 13:24	9/11/2009 16:38
EPA 7470A	09/26/09	09/04/09 10:22	9/5/2009 12:01
EPA 8260B	09/12/09	09/03/09 13:13	9/4/2009 05:57
SM 2540C	09/05/09	09/01/09 17:15	9/2/2009 16:40

Client ID: CW-8	Lab ID: B903940-12RE1	Sampled: 08/28/09 12:58	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 19:14

Client ID: CW-5A | **Lab ID: B903940-13** | **Sampled: 08/28/09 15:47** | **Received: 08/28/09 17:25**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 10:29
EPA 6010C	02/25/10	08/31/09 14:19	9/1/2009 15:28
EPA 6010C	02/25/10	09/10/09 13:24	9/11/2009 16:41
SM18 2540C	09/05/09	08/31/09 16:50	9/1/2009 23:11

Client ID: CW-8A | **Lab ID: B903940-14** | **Sampled: 08/28/09 16:27** | **Received: 08/28/09 17:25**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/30/09 16:27	08/29/09 10:26	8/29/2009 15:01
EPA 350.1	09/26/09	09/01/09 08:21	9/1/2009 12:45
EPA 420.1	09/25/09	09/01/09 10:04	9/2/2009 15:43
EPA 6010C	02/25/10	08/31/09 14:12	9/1/2009 14:25
EPA 6010C	02/25/10	09/10/09 13:24	9/11/2009 16:43
EPA 7470A	09/26/09	09/04/09 10:22	9/5/2009 12:03
EPA 8260B	09/12/09	09/03/09 13:13	9/4/2009 05:17
SM 2540C	09/05/09	09/01/09 17:15	9/2/2009 16:40

Client ID: CW-8A | **Lab ID: B903940-14RE1** | **Sampled: 08/28/09 16:27** | **Received: 08/28/09 17:25**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/26/09	09/01/09 11:46	9/1/2009 12:55

Client ID: EB-01 | **Lab ID: B903940-15** | **Sampled: 08/28/09 14:50** | **Received: 08/28/09 17:25**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/30/09 14:50	08/29/09 10:26	8/29/2009 15:21
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 15:21
EPA 350.1	09/26/09	09/01/09 08:21	9/1/2009 12:46
EPA 420.1	09/25/09	09/01/09 10:04	9/2/2009 15:43
EPA 6010C	02/25/10	08/31/09 14:12	9/1/2009 14:28
EPA 7470A	09/26/09	09/04/09 10:22	9/5/2009 12:04
EPA 8260B	09/12/09	09/03/09 13:13	9/4/2009 03:59
SM 2540C	09/05/09	09/01/09 17:15	9/2/2009 16:40

Client ID: EB-01 | **Lab ID: B903940-15RE1** | **Sampled: 08/28/09 14:50** | **Received: 08/28/09 17:25**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	02/25/10	08/31/09 14:12	9/2/2009 16:21

Client ID: Trip Blank | **Lab ID: B903940-16** | **Sampled: 08/28/09 00:00** | **Received: 08/28/09 17:25**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	09/12/09	09/03/09 13:13	9/4/2009 03:20

Client ID: CW-5R	Lab ID: B903940-17	Sampled: 08/28/09 15:47	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	08/30/09 15:47	08/29/09 10:26	8/29/2009 15:40
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 15:40
EPA 350.1	09/26/09	09/01/09 08:21	9/1/2009 12:47
EPA 420.1	09/25/09	09/02/09 12:39	9/3/2009 10:50
EPA 6010C	02/25/10	08/31/09 14:12	9/1/2009 14:30
EPA 6010C	02/25/10	09/10/09 13:24	9/11/2009 16:45
EPA 7470A	09/26/09	09/04/09 10:22	9/5/2009 12:06
EPA 8260B	09/12/09	09/03/09 13:13	9/4/2009 06:37
SM 2540C	09/05/09	09/01/09 17:15	9/2/2009 16:40

Client ID: CW-5R	Lab ID: B903940-17RE1	Sampled: 08/28/09 15:47	Received: 08/28/09 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	09/26/09	08/29/09 10:26	8/29/2009 19:33
EPA 6010C	02/25/10	09/16/09 15:08	9/17/2009 13:55

SAMPLE DETECTION SUMMARY

Client ID: MW-5 **Lab ID: B903940-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	6.2		0.10	0.20	mg/L	EPA 350.1	
Arsenic - Total	8.18	I	5.80	10.0	ug/L	EPA 6010C	
Chloride	21		0.24	5.0	mg/L	EPA 300.0	
Chromium - Total	4.20	I	0.800	10.0	ug/L	EPA 6010C	
Iron - Total	636		27.0	50.0	ug/L	EPA 6010C	
Iron - Dissolved	598		27.0	50.0	ug/L	EPA 6010C	
Nitrate as N	2.5		0.10	1.0	mg/L	EPA 300.0	
Sodium - Total	34100		210	500	ug/L	EPA 6010C	
Total Dissolved Solids	2140		10	10	mg/L	SM 2540C	

Client ID: MW-5 **Lab ID: B903940-06RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Sulfate	830		2.8	120	mg/L	EPA 300.0	

Client ID: CW-5 **Lab ID: B903940-07**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Ammonia as N	55		0.50	1.0	mg/L	EPA 350.1	
Arsenic - Total	9.17	I	5.80	10.0	ug/L	EPA 6010C	
Chromium - Total	26.5		0.800	10.0	ug/L	EPA 6010C	
Iron - Total	7420		27.0	50.0	ug/L	EPA 6010C	
Iron - Dissolved	7600		27.0	50.0	ug/L	EPA 6010C	
m,p-Xylenes	0.38	I	0.24	2.0	ug/L	EPA 8260B	
Nitrate as N	0.86	I	0.10	1.0	mg/L	EPA 300.0	
Sodium - Dissolved	225000		210	500	ug/L	EPA 6010C	
Sodium - Total	231000		210	500	ug/L	EPA 6010C	
Sulfate	47		0.11	5.0	mg/L	EPA 300.0	
Total Dissolved Solids	1920		10	10	mg/L	SM 2540C	
Xylenes (Total)	0.38	I	0.27	1.0	ug/L	EPA 8260B	

Client ID: CW-5 **Lab ID: B903940-07RE1**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chloride	170		6.0	120	mg/L	EPA 300.0	

Client ID: MW-3 **Lab ID: B903940-08**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Aluminum - Total	291		65.0	200	ug/L	EPA 6010C	
Ammonia as N	17		0.10	0.20	mg/L	EPA 350.1	
Arsenic - Total	32.6		5.80	10.0	ug/L	EPA 6010C	
Benzene	1.1		0.27	1.0	ug/L	EPA 8260B	
Chloride	56		0.24	5.0	mg/L	EPA 300.0	
Chromium - Total	11.5		0.800	10.0	ug/L	EPA 6010C	
Iron - Total	9000		27.0	50.0	ug/L	EPA 6010C	
Nitrate as N	0.42	I	0.10	1.0	mg/L	EPA 300.0	
Phenolics	0.05		0.02	0.05	mg/L	EPA 420.1	
Sodium - Total	55400		210	500	ug/L	EPA 6010C	
Total Dissolved Solids	1580		10	10	mg/L	SM 2540C	

Client ID: MW-3	Lab ID: B903940-08RE1						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Sulfate	180		2.8	120	mg/L	EPA 300.0	

Client ID: MW-7	Lab ID: B903940-09						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Aluminum - Total	791		65.0	200	ug/L	EPA 6010C	
Ammonia as N	10		0.20	0.40	mg/L	EPA 350.1	
Arsenic - Total	16.6		5.80	10.0	ug/L	EPA 6010C	
Chloride	57		0.24	5.0	mg/L	EPA 300.0	
Chromium - Total	4.45	I	0.800	10.0	ug/L	EPA 6010C	
Iron - Total	1020		27.0	50.0	ug/L	EPA 6010C	
Sodium - Total	45000		210	500	ug/L	EPA 6010C	
Total Dissolved Solids	942		10	10	mg/L	SM 2540C	

Client ID: MW-7	Lab ID: B903940-09RE1						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Sulfate	220		1.1	50	mg/L	EPA 300.0	

Client ID: MW-8	Lab ID: B903940-10						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Aluminum - Total	160	I	65.0	200	ug/L	EPA 6010C	
Ammonia as N	57		0.50	1.0	mg/L	EPA 350.1	
Arsenic - Total	54.2		5.80	10.0	ug/L	EPA 6010C	
Arsenic - Dissolved	66.8		5.80	10.0	ug/L	EPA 6010C	
Benzene	1.4		0.27	1.0	ug/L	EPA 8260B	
Chromium - Total	31.9		0.800	10.0	ug/L	EPA 6010C	
Methylene chloride	0.32	IV	0.23	1.0	ug/L	EPA 8260B	J-01, O-01
Nitrate as N	0.46	I	0.10	1.0	mg/L	EPA 300.0	
Phenolics	0.02	I	0.02	0.05	mg/L	EPA 420.1	
Sodium - Total	131000		210	500	ug/L	EPA 6010C	
Total Dissolved Solids	2170		10	10	mg/L	SM 2540C	

Client ID: MW-8	Lab ID: B903940-10RE1						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chloride	120		6.0	120	mg/L	EPA 300.0	
Sulfate	360		2.8	120	mg/L	EPA 300.0	

Client ID: MW-8-FD	Lab ID: B903940-11						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Aluminum - Total	155	I	65.0	200	ug/L	EPA 6010C	
Ammonia as N	56		0.50	1.0	mg/L	EPA 350.1	
Arsenic - Total	56.3		5.80	10.0	ug/L	EPA 6010C	
Benzene	2.9		0.27	1.0	ug/L	EPA 8260B	
Chromium - Total	33.3		0.800	10.0	ug/L	EPA 6010C	
Nitrate as N	0.46	I	0.10	1.0	mg/L	EPA 300.0	
Phenolics	0.02	I	0.02	0.05	mg/L	EPA 420.1	
Sodium - Total	133000		210	500	ug/L	EPA 6010C	
Total Dissolved Solids	2190		10	10	mg/L	SM 2540C	

Client ID: MW-8-FD	Lab ID: B903940-11RE1						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chloride	130		6.0	120	mg/L	EPA 300.0	

Client ID: MW-8-FD	Lab ID: B903940-11RE1						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Sulfate	380		2.8	120	mg/L	EPA 300.0	

Client ID: CW-8	Lab ID: B903940-12						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Aluminum - Total	140	I	65.0	200	ug/L	EPA 6010C	
Ammonia as N	67		0.50	1.0	mg/L	EPA 350.1	
Arsenic - Dissolved	60.4		5.80	10.0	ug/L	EPA 6010C	
Arsenic - Total	61.0		5.80	10.0	ug/L	EPA 6010C	
Benzene	3.0		0.54	2.0	ug/L	EPA 8260B	
Chromium - Total	31.3		0.800	10.0	ug/L	EPA 6010C	
Iron - Total	75.0		27.0	50.0	ug/L	EPA 6010C	
Methylene chloride	1.0	IV	0.46	2.0	ug/L	EPA 8260B	J-01, O-01
Nitrate as N	0.49	I	0.10	1.0	mg/L	EPA 300.0	
Sodium - Total	148000		210	500	ug/L	EPA 6010C	
Tetrachloroethene	0.66	I	0.62	2.0	ug/L	EPA 8260B	
Total Dissolved Solids	2400		10	10	mg/L	SM 2540C	

Client ID: CW-8	Lab ID: B903940-12RE1						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chloride	150		6.0	120	mg/L	EPA 300.0	
Sulfate	460		2.8	120	mg/L	EPA 300.0	

Client ID: CW-5A	Lab ID: B903940-13						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Aluminum - Total	2070		65.0	200	ug/L	EPA 6010C	
Aluminum - Dissolved	1560		65.0	200	ug/L	EPA 6010C	
Chloride	20		0.24	5.0	mg/L	EPA 300.0	
Iron - Total	2220		27.0	50.0	ug/L	EPA 6010C	
Iron - Dissolved	1720		27.0	50.0	ug/L	EPA 6010C	
Sodium - Total	20100		210	500	ug/L	EPA 6010C	
Sulfate	8.6		0.11	5.0	mg/L	EPA 300.0	
Total Dissolved Solids	320		10	10	mg/L	SM18 2540C	

Client ID: CW-8A	Lab ID: B903940-14						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Aluminum - Dissolved	304		65.0	200	ug/L	EPA 6010C	
Aluminum - Total	361		65.0	200	ug/L	EPA 6010C	
Ammonia as N	17		0.20	0.40	mg/L	EPA 350.1	
Arsenic - Total	10.9		5.80	10.0	ug/L	EPA 6010C	
Benzene	1.0		0.27	1.0	ug/L	EPA 8260B	
Chromium - Total	17.6		0.800	10.0	ug/L	EPA 6010C	
Iron - Total	814		27.0	50.0	ug/L	EPA 6010C	
Iron - Dissolved	800		27.0	50.0	ug/L	EPA 6010C	
Sodium - Total	104000		210	500	ug/L	EPA 6010C	
Total Dissolved Solids	578		10	10	mg/L	SM 2540C	

Client ID: CW-8A	Lab ID: B903940-14RE1						
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chloride	87		1.2	25	mg/L	EPA 300.0	
Sulfate	130		0.55	25	mg/L	EPA 300.0	

Client ID: EB-01			Lab ID: B903940-15				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chloride	2.1	I	0.24	5.0	mg/L	EPA 300.0	
Methylene chloride	1.7	V	0.23	1.0	ug/L	EPA 8260B	J-01, O-01
Nitrate as N	0.38	I	0.10	1.0	mg/L	EPA 300.0	
Sulfate	1.9	I	0.11	5.0	mg/L	EPA 300.0	
Total Dissolved Solids	28		10	10	mg/L	SM 2540C	

Client ID: Trip Blank			Lab ID: B903940-16				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Methylene chloride	1.8	V	0.23	1.0	ug/L	EPA 8260B	J-01, O-01

Client ID: CW-5R			Lab ID: B903940-17				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Ammonia as N	52		0.50	1.0	mg/L	EPA 350.1	
Arsenic - Total	11.1		5.80	10.0	ug/L	EPA 6010C	
Chromium - Total	22.3		0.800	10.0	ug/L	EPA 6010C	
Iron - Dissolved	8210		27.0	50.0	ug/L	EPA 6010C	
Iron - Total	8060		27.0	50.0	ug/L	EPA 6010C	
Methylene chloride	1.0	IV	0.46	2.0	ug/L	EPA 8260B	J-01, O-01
Nitrate as N	0.87	I	0.10	1.0	mg/L	EPA 300.0	
Phenolics	0.02	I	0.02	0.05	mg/L	EPA 420.1	
Sodium - Dissolved	243000		210	500	ug/L	EPA 6010C	
Sodium - Total	245000		210	500	ug/L	EPA 6010C	
Sulfate	12		0.11	5.0	mg/L	EPA 300.0	
Total Dissolved Solids	1800		10	10	mg/L	SM 2540C	

Client ID: CW-5R			Lab ID: B903940-17RE1				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chloride	190		6.0	120	mg/L	EPA 300.0	

ANALYTICAL RESULTS

Description: MW-6 **Lab Sample ID:** B903940-01 **Received:** 08/28/09 17:25
Matrix: Ground Water **Sampled:** 08/27/09 12:25 **Work Order:** B903940
Project: Nine Mile Road **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.16	U	ug/L	1	0.16	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 03:17	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 03:17*	*JAL*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 03:17*	*JAL*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 03:17*	*JAL*	

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Description: MW-9 | **Lab Sample ID:** B903940-02 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/27/09 13:50 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 03:56	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 03:56*	*JAL*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 03:56*	*JAL*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 03:56*	*JAL*	

Description: MW-12 | **Lab Sample ID:** B903940-03 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/27/09 14:38 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 04:35	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 04:35*	*JAL*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 04:35*	*JAL*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 04:35*	*JAL*	

Description: MW-11 | **Lab Sample ID:** B903940-04 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/27/09 15:41 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 05:14	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 05:14*	*JAL*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 05:14*	*JAL*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 05:14*	*JAL*	

Description: MW-10 | **Lab Sample ID:** B903940-05 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/27/09 16:18 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 05:52	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 05:52*	*JAL*	
Dibromofluoromethane	*45*	*1*	*50.0*	*89 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 05:52*	*JAL*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 05:52*	*JAL*	

Description: MW-5 | **Lab Sample ID:** B903940-06 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 08:44 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 06:31	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*81 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 06:31*	*JAL*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 06:31*	*JAL*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 06:31*	*JAL*	

Description: MW-5
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-06
Sampled: 08/28/09 08:44
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9I03008	EPA 7470A	09/05/09 11:48	sma	

Description: MW-5 | **Lab Sample ID:** B903940-06 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 08:44 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	65.0	U	ug/L	1	65.0	200	9H31009	EPA 6010C	09/01/09 15:16	ACV	
Arsenic [7440-38-2] ^	**8.18**	I	ug/L	1	5.80	10.0	9H31009	EPA 6010C	09/01/09 15:16	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H31009	EPA 6010C	09/01/09 15:16	ACV	
Chromium [7440-47-3] ^	**4.20**	I	ug/L	1	0.800	10.0	9H31009	EPA 6010C	09/01/09 15:16	ACV	
Iron [7439-89-6] ^	**636**		ug/L	1	27.0	50.0	9H31009	EPA 6010C	09/01/09 15:16	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H31009	EPA 6010C	09/01/09 15:16	ACV	
Sodium [7440-23-5] ^	**34100**		ug/L	1	210	500	9H31009	EPA 6010C	09/01/09 15:16	ACV	

Description: MW-5 | **Lab Sample ID:** B903940-06 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 08:44 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Iron [7439-89-6] ^	**598**		ug/L	1	27.0	50.0	9I10011	EPA 6010C	09/11/09 16:24	ACV	

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Description: MW-5 | **Lab Sample ID:** B903940-06 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 08:44 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**2140**		mg/L	1	10	10	9I01011	SM 2540C	09/02/09 16:40	GMB	

Description: MW-5 | **Lab Sample ID:** B903940-06 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 08:44 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**6.2**		mg/L	10	0.10	0.20	9I01004	EPA 350.1	09/01/09 12:12	KG	
Chloride [16887-00-6] ^	**21**		mg/L	1	0.24	5.0	9H29003	EPA 300.0	08/29/09 12:06	RSA	
Nitrate as N [14797-55-8] ^	**2.5**		mg/L	1	0.10	1.0	9H29003	EPA 300.0	08/29/09 12:06	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9I01009	EPA 420.1	09/01/09 16:10	CAS	
Sulfate [14808-79-8] ^	**830**		mg/L	25	2.8	120	9H29003	EPA 300.0	08/29/09 17:17	RSA	

Description: CW-5 | **Lab Sample ID:** B903940-07 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 09:20 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	**0.38**	I	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	
Xylenes (Total) [1330-20-7] ^	**0.38**	I	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 07:10	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	*Notes*
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 07:10*	*JAL*	
Dibromofluoromethane	*43*	*1*	*50.0*	*87 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 07:10*	*JAL*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 07:10*	*JAL*	

Description: CW-5 | **Lab Sample ID:** B903940-07 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 09:20 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9I03008	EPA 7470A	09/05/09 11:50	sma	

Description: CW-5 | **Lab Sample ID:** B903940-07 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 09:20 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	65.0	U	ug/L	1	65.0	200	9H31009	EPA 6010C	09/01/09 15:18	ACV	
Arsenic [7440-38-2] ^	**9.17**	I	ug/L	1	5.80	10.0	9H31009	EPA 6010C	09/01/09 15:18	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H31009	EPA 6010C	09/01/09 15:18	ACV	
Chromium [7440-47-3] ^	**26.5**		ug/L	1	0.800	10.0	9H31009	EPA 6010C	09/01/09 15:18	ACV	
Iron [7439-89-6] ^	**7420**		ug/L	1	27.0	50.0	9H31009	EPA 6010C	09/01/09 15:18	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H31009	EPA 6010C	09/01/09 15:18	ACV	
Sodium [7440-23-5] ^	**231000**		ug/L	1	210	500	9H31009	EPA 6010C	09/01/09 15:18	ACV	

Description: CW-5
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-07
Sampled: 08/28/09 09:20
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Iron [7439-89-6] ^	**7600**		ug/L	1	27.0	50.0	9I10011	EPA 6010C	09/11/09 16:27	ACV	
Sodium [7440-23-5] ^	**225000**		ug/L	1	210	500	9I10011	EPA 6010C	09/11/09 16:27	ACV	

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Description: CW-5 | **Lab Sample ID:** B903940-07 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 09:20 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**1920**		mg/L	1	10	10	9I01011	SM 2540C	09/02/09 16:40	GMB	

Description: CW-5 **Lab Sample ID:** B903940-07 **Received:** 08/28/09 17:25

Matrix: Ground Water **Sampled:** 08/28/09 09:20 **Work Order:** B903940

Project: Nine Mile Road **Sampled By:** Mathew Hampton/Josh Ric

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**55**		mg/L	50	0.50	1.0	9I01004	EPA 350.1	09/01/09 12:38	KG	
Chloride [16887-00-6] ^	**170**		mg/L	25	6.0	120	9H29003	EPA 300.0	08/29/09 17:37	RSA	
Nitrate as N [14797-55-8] ^	**0.86**	I	mg/L	1	0.10	1.0	9H29003	EPA 300.0	08/29/09 12:26	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9I01009	EPA 420.1	09/02/09 15:43	CAS	
Sulfate [14808-79-8] ^	**47**		mg/L	1	0.11	5.0	9H29003	EPA 300.0	08/29/09 12:26	RSA	

Description: MW-3 | **Lab Sample ID:** B903940-08 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 10:18 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Benzene [71-43-2] ^	**1.1**		ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 07:49	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 07:49*	*JAL*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 07:49*	*JAL*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 07:49*	*JAL*	

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Description: MW-3 | **Lab Sample ID:** B903940-08 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 10:18 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9I03008	EPA 7470A	09/05/09 11:51	sma	

Description: MW-3 | **Lab Sample ID:** B903940-08 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 10:18 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**291**		ug/L	1	65.0	200	9H31009	EPA 6010C	09/01/09 15:21	ACV	
Arsenic [7440-38-2] ^	**32.6**		ug/L	1	5.80	10.0	9H31009	EPA 6010C	09/01/09 15:21	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H31009	EPA 6010C	09/01/09 15:21	ACV	
Chromium [7440-47-3] ^	**11.5**		ug/L	1	0.800	10.0	9H31009	EPA 6010C	09/01/09 15:21	ACV	
Iron [7439-89-6] ^	**9000**		ug/L	1	27.0	50.0	9H31009	EPA 6010C	09/01/09 15:21	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H31009	EPA 6010C	09/01/09 15:21	ACV	
Sodium [7440-23-5] ^	**55400**		ug/L	1	210	500	9H31009	EPA 6010C	09/01/09 15:21	ACV	

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Description: MW-3 | **Lab Sample ID:** B903940-08 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 10:18 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**1580**		mg/L	1	10	10	9I01011	SM 2540C	09/02/09 16:40	GMB	

Description: MW-3 | **Lab Sample ID:** B903940-08 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 10:18 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**17**		mg/L	10	0.10	0.20	9I01004	EPA 350.1	09/01/09 12:29	KG	
Chloride [16887-00-6] ^	**56**		mg/L	1	0.24	5.0	9H29003	EPA 300.0	08/29/09 13:24	RSA	
Nitrate as N [14797-55-8] ^	**0.42**	I	mg/L	1	0.10	1.0	9H29003	EPA 300.0	08/29/09 13:24	RSA	
Phenolics [ECL-0123] ^	**0.05**		mg/L	1	0.02	0.05	9I01009	EPA 420.1	09/02/09 15:43	CAS	
Sulfate [14808-79-8] ^	**180**		mg/L	25	2.8	120	9H29003	EPA 300.0	08/29/09 17:56	RSA	

Description: MW-7 | **Lab Sample ID:** B903940-09 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 11:25 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 08:28	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 08:28*	*JAL*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 08:28*	*JAL*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 08:28*	*JAL*	

Description: MW-7 | **Lab Sample ID:** B903940-09 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 11:25 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9I03008	EPA 7470A	09/05/09 11:53	sma	

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Description: MW-7 | **Lab Sample ID:** B903940-09 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 11:25 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**791**		ug/L	1	65.0	200	9H31009	EPA 6010C	09/01/09 15:23	ACV	
Arsenic [7440-38-2] ^	**16.6**		ug/L	1	5.80	10.0	9H31009	EPA 6010C	09/01/09 15:23	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H31009	EPA 6010C	09/01/09 15:23	ACV	
Chromium [7440-47-3] ^	**4.45**	I	ug/L	1	0.800	10.0	9H31009	EPA 6010C	09/01/09 15:23	ACV	
Iron [7439-89-6] ^	**1020**		ug/L	1	27.0	50.0	9H31009	EPA 6010C	09/01/09 15:23	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H31009	EPA 6010C	09/01/09 15:23	ACV	
Sodium [7440-23-5] ^	**45000**		ug/L	1	210	500	9H31009	EPA 6010C	09/01/09 15:23	ACV	

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Description: MW-7
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-09
Sampled: 08/28/09 11:25
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**942**		mg/L	1	10	10	9I01011	SM 2540C	09/02/09 16:40	GMB	

Description: MW-7
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-09
Sampled: 08/28/09 11:25
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**10**		mg/L	20	0.20	0.40	9I01004	EPA 350.1	09/01/09 12:27	KG	
Chloride [16887-00-6] ^	**57**		mg/L	1	0.24	5.0	9H29003	EPA 300.0	08/29/09 13:43	RSA	
Nitrate as N [14797-55-8] ^	0.10	U	mg/L	1	0.10	1.0	9H29003	EPA 300.0	08/29/09 13:43	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9I01009	EPA 420.1	09/02/09 15:43	CAS	
Sulfate [14808-79-8] ^	**220**		mg/L	10	1.1	50	9H29003	EPA 300.0	08/29/09 18:15	RSA	

Description: MW-8 | **Lab Sample ID:** B903940-10 | **Received:** 08/28/09 17:25
Matrix: Ground Water | **Sampled:** 08/28/09 12:02 | **Work Order:** B903940
Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.16	U	ug/L	1	0.16	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Benzene [71-43-2] ^	**1.4**		ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Methylene chloride [75-09-2] ^	**0.32**	IV	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 09:08	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 09:08*	*JAL*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 09:08*	*JAL*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 09:08*	*JAL*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0920	U	ug/L	2	0.0920	0.400	9I04005	EPA 7470A	09/05/09 14:29	sma	

Metals (total recoverable) by EPA 6000/7000 Series Methods

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Description: MW-8 | **Lab Sample ID:** B903940-10 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 12:02 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**160**	I	ug/L	1	65.0	200	9H31009	EPA 6010C	09/01/09 15:25	ACV	
Arsenic [7440-38-2] ^	**54.2**		ug/L	1	5.80	10.0	9H31009	EPA 6010C	09/01/09 15:25	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H31009	EPA 6010C	09/01/09 15:25	ACV	
Chromium [7440-47-3] ^	**31.9**		ug/L	1	0.800	10.0	9H31009	EPA 6010C	09/01/09 15:25	ACV	
Iron [7439-89-6] ^	27.0	U	ug/L	1	27.0	50.0	9H31009	EPA 6010C	09/01/09 15:25	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H31009	EPA 6010C	09/01/09 15:25	ACV	
Sodium [7440-23-5] ^	**131000**		ug/L	1	210	500	9H31009	EPA 6010C	09/01/09 15:25	ACV	

Description: MW-8 | **Lab Sample ID:** B903940-10 | **Received:** 08/28/09 17:25
Matrix: Ground Water | **Sampled:** 08/28/09 12:02 | **Work Order:** B903940
Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**66.8**		ug/L	1	5.80	10.0	9I10011	EPA 6010C	09/11/09 16:29	ACV	

Description: MW-8 | **Lab Sample ID:** B903940-10 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 12:02 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**2170**		mg/L	1	10	10	9I01011	SM 2540C	09/02/09 16:40	GMB	

Description: MW-8 **Lab Sample ID:** B903940-10 **Received:** 08/28/09 17:25

Matrix: Ground Water **Sampled:** 08/28/09 12:02 **Work Order:** B903940

Project: Nine Mile Road **Sampled By:** Mathew Hampton/Josh Ric

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**57**		mg/L	50	0.50	1.0	9I01004	EPA 350.1	09/01/09 12:41	KG	
Chloride [16887-00-6] ^	**120**		mg/L	25	6.0	120	9H29003	EPA 300.0	08/29/09 18:35	RSA	
Nitrate as N [14797-55-8] ^	**0.46**	I	mg/L	1	0.10	1.0	9H29003	EPA 300.0	08/29/09 14:03	RSA	
Phenolics [ECL-0123] ^	**0.02**	I	mg/L	1	0.02	0.05	9I01009	EPA 420.1	09/02/09 15:43	CAS	
Sulfate [14808-79-8] ^	**360**		mg/L	25	2.8	120	9H29003	EPA 300.0	08/29/09 18:35	RSA	

Description: MW-8-FD | **Lab Sample ID:** B903940-11 | **Received:** 08/28/09 17:25
Matrix: Ground Water | **Sampled:** 08/28/09 12:02 | **Work Order:** B903940
Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Benzene [71-43-2] ^	**2.9**		ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I02010	EPA 8260B	09/03/09 09:47	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*83 %*	*68-120*	*9I02010*	*EPA 8260B*	*09/03/09 09:47*	*JAL*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*79-121*	*9I02010*	*EPA 8260B*	*09/03/09 09:47*	*JAL*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*79-120*	*9I02010*	*EPA 8260B*	*09/03/09 09:47*	*JAL*	

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0920	U	ug/L	2	0.0920	0.400	9I04005	EPA 7470A	09/05/09 14:31	sma	

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

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Description: MW-8-FD
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-11
Sampled: 08/28/09 12:02
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**155**	I	ug/L	1	65.0	200	9H31008	EPA 6010C	09/01/09 14:21	ACV	
Arsenic [7440-38-2] ^	**56.3**		ug/L	1	5.80	10.0	9H31008	EPA 6010C	09/01/09 14:21	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H31008	EPA 6010C	09/01/09 14:21	ACV	
Chromium [7440-47-3] ^	**33.3**		ug/L	1	0.800	10.0	9H31008	EPA 6010C	09/01/09 14:21	ACV	
Iron [7439-89-6] ^	27.0	U	ug/L	1	27.0	50.0	9H31008	EPA 6010C	09/01/09 14:21	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H31008	EPA 6010C	09/01/09 14:21	ACV	
Sodium [7440-23-5] ^	**133000**		ug/L	1	210	500	9H31008	EPA 6010C	09/01/09 14:21	ACV	

Description: MW-8-FD
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-11
Sampled: 08/28/09 12:02
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**2190**		mg/L	1	10	10	9I01011	SM 2540C	09/02/09 16:40	GMB	

Description: MW-8-FD
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-11
Sampled: 08/28/09 12:02
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**56**		mg/L	50	0.50	1.0	9I01004	EPA 350.1	09/01/09 12:42	KG	
Chloride [16887-00-6] ^	**130**		mg/L	25	6.0	120	9H29003	EPA 300.0	08/29/09 18:54	RSA	
Nitrate as N [14797-55-8] ^	**0.46**	I	mg/L	1	0.10	1.0	9H29003	EPA 300.0	08/29/09 14:22	RSA	
Phenolics [ECL-0123] ^	**0.02**	I	mg/L	1	0.02	0.05	9I01009	EPA 420.1	09/02/09 15:43	CAS	
Sulfate [14808-79-8] ^	**380**		mg/L	25	2.8	120	9H29003	EPA 300.0	08/29/09 18:54	RSA	

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Description: CW-8 | **Lab Sample ID:** B903940-12 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 12:58 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.70	U	ug/L	2	0.70	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.38	U	ug/L	2	0.38	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	QL-02
1,1,2-Trichloroethane [79-00-5] ^	0.80	U	ug/L	2	0.80	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	QL-02
1,1-Dichloroethane [75-34-3] ^	0.70	U	ug/L	2	0.70	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
1,1-Dichloroethene [75-35-4] ^	0.64	U	ug/L	2	0.64	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.32	U	ug/L	2	0.32	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.80	U	ug/L	2	0.80	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
1,2-Dichloroethane [107-06-2] ^	0.88	U	ug/L	2	0.88	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
1,2-Dichloropropane [78-87-5] ^	0.98	U	ug/L	2	0.98	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.70	U	ug/L	2	0.70	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.52	U	ug/L	2	0.52	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	3.0	U	ug/L	2	3.0	10	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Benzene [71-43-2] ^	**3.0**		ug/L	2	0.54	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Bromodichloromethane [75-27-4] ^	0.22	U	ug/L	2	0.22	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Bromoform [75-25-2] ^	0.52	U	ug/L	2	0.52	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Bromomethane [74-83-9] ^	0.88	U	ug/L	2	0.88	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	QL-02
Carbon tetrachloride [56-23-5] ^	0.84	U	ug/L	2	0.84	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Chlorobenzene [108-90-7] ^	0.46	U	ug/L	2	0.46	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	QL-02
Chloroethane [75-00-3] ^	0.68	U	ug/L	2	0.68	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Chloroform [67-66-3] ^	0.80	U	ug/L	2	0.80	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Chloromethane [74-87-3] ^	0.80	U	ug/L	2	0.80	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.62	U	ug/L	2	0.62	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.56	U	ug/L	2	0.56	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Dibromochloromethane [124-48-1] ^	0.56	U	ug/L	2	0.56	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.26	U	ug/L	2	0.26	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Ethylbenzene [100-41-4] ^	0.56	U	ug/L	2	0.56	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	2	0.48	4.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Methylene chloride [75-09-2] ^	**1.0**	IV	ug/L	2	0.46	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4] ^	0.46	U	ug/L	2	0.46	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
o-Xylene [95-47-6] ^	0.54	U	ug/L	2	0.54	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Tetrachloroethene [127-18-4] ^	**0.66**	I	ug/L	2	0.62	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Toluene [108-88-3] ^	0.70	U	ug/L	2	0.70	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.92	U	ug/L	2	0.92	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.54	U	ug/L	2	0.54	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Trichloroethene [79-01-6] ^	1.1	U	ug/L	2	1.1	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Trichlorofluoromethane [75-69-4] ^	0.82	U	ug/L	2	0.82	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Vinyl chloride [75-01-4] ^	1.2	U	ug/L	2	1.2	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	
Xylenes (Total) [1330-20-7] ^	0.54	U	ug/L	2	0.54	2.0	9I03007	EPA 8260B	09/04/09 05:57	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*68-120*	*9I03007*	*EPA 8260B*	*09/04/09 05:57*	*JAL*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*79-121*	*9I03007*	*EPA 8260B*	*09/04/09 05:57*	*JAL*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*79-120*	*9I03007*	*EPA 8260B*	*09/04/09 05:57*	*JAL*	

Description: CW-8
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-12
Sampled: 08/28/09 12:58
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9I03008	EPA 7470A	09/05/09 12:01	sma	

Description: CW-8 | **Lab Sample ID:** B903940-12 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 12:58 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**140**	I	ug/L	1	65.0	200	9H31008	EPA 6010C	09/01/09 14:23	ACV	
Arsenic [7440-38-2] ^	**61.0**		ug/L	1	5.80	10.0	9H31008	EPA 6010C	09/01/09 14:23	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H31008	EPA 6010C	09/01/09 14:23	ACV	
Chromium [7440-47-3] ^	**31.3**		ug/L	1	0.800	10.0	9H31008	EPA 6010C	09/01/09 14:23	ACV	
Iron [7439-89-6] ^	**75.0**		ug/L	1	27.0	50.0	9H31008	EPA 6010C	09/01/09 14:23	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H31008	EPA 6010C	09/01/09 14:23	ACV	
Sodium [7440-23-5] ^	**148000**		ug/L	1	210	500	9H31008	EPA 6010C	09/01/09 14:23	ACV	

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Description: CW-8 | **Lab Sample ID:** B903940-12 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 12:58 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**60.4**		ug/L	1	5.80	10.0	9I10011	EPA 6010C	09/11/09 16:38	ACV	

Description: CW-8 | **Lab Sample ID:** B903940-12 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 12:58 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**2400**		mg/L	1	10	10	9I01011	SM 2540C	09/02/09 16:40	GMB	

Description: CW-8 | **Lab Sample ID:** B903940-12 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 12:58 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**67**		mg/L	50	0.50	1.0	9I01004	EPA 350.1	09/01/09 12:44	KG	
Chloride [16887-00-6] ^	**150**		mg/L	25	6.0	120	9H29003	EPA 300.0	08/29/09 19:14	RSA	
Nitrate as N [14797-55-8] ^	**0.49**	I	mg/L	1	0.10	1.0	9H29003	EPA 300.0	08/29/09 14:42	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9I01009	EPA 420.1	09/02/09 15:43	CAS	
Sulfate [14808-79-8] ^	**460**		mg/L	25	2.8	120	9H29003	EPA 300.0	08/29/09 19:14	RSA	

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Description: CW-5A
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-13
Sampled: 08/28/09 15:47
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**2070**		ug/L	1	65.0	200	9H31009	EPA 6010C	09/01/09 15:28	ACV	
Iron [7439-89-6] ^	**2220**		ug/L	1	27.0	50.0	9H31009	EPA 6010C	09/01/09 15:28	ACV	
Sodium [7440-23-5] ^	**20100**		ug/L	1	210	500	9H31009	EPA 6010C	09/01/09 15:28	ACV	

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Description: CW-5A
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-13
Sampled: 08/28/09 15:47
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**1560**		ug/L	1	65.0	200	9I10011	EPA 6010C	09/11/09 16:41	ACV	
Iron [7439-89-6] ^	**1720**		ug/L	1	27.0	50.0	9I10011	EPA 6010C	09/11/09 16:41	ACV	

Description: CW-5A
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-13
Sampled: 08/28/09 15:47
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**20**		mg/L	1	0.24	5.0	9H29003	EPA 300.0	08/29/09 10:29	RSA	
Sulfate [14808-79-8] ^	**8.6**		mg/L	1	0.11	5.0	9H29003	EPA 300.0	08/29/09 10:29	RSA	
Total Dissolved Solids [ECL-0156] ^	**320**		mg/L	1	10	10	9H31013	SM18 2540C	09/01/09 23:11	AH	

Description: CW-8A | **Lab Sample ID:** B903940-14 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 16:27 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	QL-02
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	QL-02
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Benzene [71-43-2] ^	**1.0**		ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	QL-02
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	QL-02
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Methylene chloride [75-09-2] ^	0.23	U	ug/L	1	0.23	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 05:17	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*85 %*	*68-120*	*9I03007*	*EPA 8260B*	*09/04/09 05:17*	*JAL*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*79-121*	*9I03007*	*EPA 8260B*	*09/04/09 05:17*	*JAL*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*79-120*	*9I03007*	*EPA 8260B*	*09/04/09 05:17*	*JAL*	

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Description: CW-8A
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-14
Sampled: 08/28/09 16:27
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9I03008	EPA 7470A	09/05/09 12:03	sma	

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Description: CW-8A | **Lab Sample ID:** B903940-14 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 16:27 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**361**		ug/L	1	65.0	200	9H31008	EPA 6010C	09/01/09 14:25	ACV	
Arsenic [7440-38-2] ^	**10.9**		ug/L	1	5.80	10.0	9H31008	EPA 6010C	09/01/09 14:25	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H31008	EPA 6010C	09/01/09 14:25	ACV	
Chromium [7440-47-3] ^	**17.6**		ug/L	1	0.800	10.0	9H31008	EPA 6010C	09/01/09 14:25	ACV	
Iron [7439-89-6] ^	**814**		ug/L	1	27.0	50.0	9H31008	EPA 6010C	09/01/09 14:25	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H31008	EPA 6010C	09/01/09 14:25	ACV	
Sodium [7440-23-5] ^	**104000**		ug/L	1	210	500	9H31008	EPA 6010C	09/01/09 14:25	ACV	

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Description: CW-8A
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-14
Sampled: 08/28/09 16:27
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	**304**		ug/L	1	65.0	200	9I10011	EPA 6010C	09/11/09 16:43	ACV	
Arsenic [7440-38-2] ^	5.80	U	ug/L	1	5.80	10.0	9I10011	EPA 6010C	09/11/09 16:43	ACV	
Iron [7439-89-6] ^	**800**		ug/L	1	27.0	50.0	9I10011	EPA 6010C	09/11/09 16:43	ACV	

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Description: CW-8A
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-14
Sampled: 08/28/09 16:27
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**578**		mg/L	1	10	10	9I01011	SM 2540C	09/02/09 16:40	GMB	

Description: CW-8A
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-14
Sampled: 08/28/09 16:27
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**17**		mg/L	20	0.20	0.40	9I01004	EPA 350.1	09/01/09 12:45	KG	
Chloride [16887-00-6] ^	**87**		mg/L	5	1.2	25	9I01001	EPA 300.0	09/01/09 12:55	RSA	
Nitrate as N [14797-55-8] ^	0.10	U	mg/L	1	0.10	1.0	9H29003	EPA 300.0	08/29/09 15:01	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9I01009	EPA 420.1	09/02/09 15:43	CAS	
Sulfate [14808-79-8] ^	**130**		mg/L	5	0.55	25	9I01001	EPA 300.0	09/01/09 12:55	RSA	

Description: EB-01 | **Lab Sample ID:** B903940-15 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 14:50 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	QL-02
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	QL-02
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	QL-02
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	QL-02
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Methylene chloride [75-09-2] ^	**1.7**	V	ug/L	1	0.23	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 03:59	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*68-120*	*9I03007*	*EPA 8260B*	*09/04/09 03:59*	*JAL*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*79-121*	*9I03007*	*EPA 8260B*	*09/04/09 03:59*	*JAL*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*79-120*	*9I03007*	*EPA 8260B*	*09/04/09 03:59*	*JAL*	

Description: EB-01 | **Lab Sample ID:** B903940-15 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 14:50 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9I03008	EPA 7470A	09/05/09 12:04	sma	

Description: EB-01 | **Lab Sample ID:** B903940-15 | **Received:** 08/28/09 17:25

Matrix: Ground Water | **Sampled:** 08/28/09 14:50 | **Work Order:** B903940

Project: Nine Mile Road | **Sampled By:** Mathew Hampton/Josh Ric

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	65.0	U	ug/L	1	65.0	200	9H31008	EPA 6010C	09/01/09 14:28	ACV	
Arsenic [7440-38-2] ^	5.80	U	ug/L	1	5.80	10.0	9H31008	EPA 6010C	09/01/09 14:28	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H31008	EPA 6010C	09/01/09 14:28	ACV	
Chromium [7440-47-3] ^	0.800	U	ug/L	1	0.800	10.0	9H31008	EPA 6010C	09/01/09 14:28	ACV	
Iron [7439-89-6] ^	27.0	U	ug/L	1	27.0	50.0	9H31008	EPA 6010C	09/01/09 14:28	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H31008	EPA 6010C	09/01/09 14:28	ACV	
Sodium [7440-23-5] ^	210	U	ug/L	1	210	500	9H31008	EPA 6010C	09/02/09 16:21	ACV	

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**28**		mg/L	1	10	10	9I01011	SM 2540C	09/02/09 16:40	GMB	

Description: EB-01
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-15
Sampled: 08/28/09 14:50
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	0.010	U	mg/L	1	0.010	0.020	9I01004	EPA 350.1	09/01/09 12:46	KG	
Chloride [16887-00-6] ^	**2.1**	I	mg/L	1	0.24	5.0	9H29003	EPA 300.0	08/29/09 15:21	RSA	
Nitrate as N [14797-55-8] ^	**0.38**	I	mg/L	1	0.10	1.0	9H29003	EPA 300.0	08/29/09 15:21	RSA	
Phenolics [ECL-0123] ^	0.02	U	mg/L	1	0.02	0.05	9I01009	EPA 420.1	09/02/09 15:43	CAS	
Sulfate [14808-79-8] ^	**1.9**	I	mg/L	1	0.11	5.0	9H29003	EPA 300.0	08/29/09 15:21	RSA	

Description: Trip Blank | **Lab Sample ID:** B903940-16 | **Received:** 08/28/09 17:25
Matrix: Water | **Sampled:** 08/28/09 00:00 | **Work Order:** B903940
Project: Nine Mile Road | **Sampled By:**

Volatile Organic Compounds by GCMS

^ - *ENCO Jacksonville certified analyte [NELAC E82277]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.19	U	ug/L	1	0.19	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	QL-02
1,1,2-Trichloroethane [79-00-5] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	QL-02
1,1-Dichloroethane [75-34-3] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
1,1-Dichloroethene [75-35-4] ^	0.32	U	ug/L	1	0.32	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
1,2-Dichloroethane [107-06-2] ^	0.44	U	ug/L	1	0.44	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
1,2-Dichloropropane [78-87-5] ^	0.49	U	ug/L	1	0.49	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.26	U	ug/L	1	0.26	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	1.5	U	ug/L	1	1.5	5.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Benzene [71-43-2] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Bromodichloromethane [75-27-4] ^	0.11	U	ug/L	1	0.11	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Bromoform [75-25-2] ^	0.26	U	ug/L	1	0.26	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Bromomethane [74-83-9] ^	0.44	U	ug/L	1	0.44	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	QL-02
Carbon tetrachloride [56-23-5] ^	0.42	U	ug/L	1	0.42	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Chlorobenzene [108-90-7] ^	0.23	U	ug/L	1	0.23	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	QL-02
Chloroethane [75-00-3] ^	0.34	U	ug/L	1	0.34	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Chloroform [67-66-3] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Chloromethane [74-87-3] ^	0.40	U	ug/L	1	0.40	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.31	U	ug/L	1	0.31	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.13	U	ug/L	1	0.13	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Ethylbenzene [100-41-4] ^	0.28	U	ug/L	1	0.28	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.24	U	ug/L	1	0.24	2.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Methylene chloride [75-09-2] ^	**1.8**	V	ug/L	1	0.23	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4] ^	0.23	U	ug/L	1	0.23	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Tetrachloroethene [127-18-4] ^	0.31	U	ug/L	1	0.31	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Toluene [108-88-3] ^	0.35	U	ug/L	1	0.35	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.46	U	ug/L	1	0.46	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Trichloroethene [79-01-6] ^	0.56	U	ug/L	1	0.56	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Trichlorofluoromethane [75-69-4] ^	0.41	U	ug/L	1	0.41	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Vinyl chloride [75-01-4] ^	0.58	U	ug/L	1	0.58	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	
Xylenes (Total) [1330-20-7] ^	0.27	U	ug/L	1	0.27	1.0	9I03007	EPA 8260B	09/04/09 03:20	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*68-120*	*9I03007*	*EPA 8260B*	*09/04/09 03:20*	*JAL*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*79-121*	*9I03007*	*EPA 8260B*	*09/04/09 03:20*	*JAL*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*79-120*	*9I03007*	*EPA 8260B*	*09/04/09 03:20*	*JAL*	

Description: CW-5R
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-17
Sampled: 08/28/09 15:47
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Volatile Organic Compounds by GCMS

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
1,1,1-Trichloroethane [71-55-6] ^	0.70	U	ug/L	2	0.70	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.38	U	ug/L	2	0.38	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	QL-02
1,1,2-Trichloroethane [79-00-5] ^	0.80	U	ug/L	2	0.80	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	QL-02
1,1-Dichloroethane [75-34-3] ^	0.70	U	ug/L	2	0.70	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
1,1-Dichloroethene [75-35-4] ^	0.64	U	ug/L	2	0.64	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
1,2-Dichlorobenzene [95-50-1] ^	0.80	U	ug/L	2	0.80	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
1,2-Dichloroethane [107-06-2] ^	0.88	U	ug/L	2	0.88	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
1,2-Dichloropropane [78-87-5] ^	0.98	U	ug/L	2	0.98	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
1,3-Dichlorobenzene [541-73-1] ^	0.70	U	ug/L	2	0.70	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
1,4-Dichlorobenzene [106-46-7] ^	0.52	U	ug/L	2	0.52	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
2-Chloroethyl Vinyl Ether [110-75-8] ^	3.0	U	ug/L	2	3.0	10	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Benzene [71-43-2] ^	0.54	U	ug/L	2	0.54	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Bromodichloromethane [75-27-4] ^	0.22	U	ug/L	2	0.22	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Bromoform [75-25-2] ^	0.52	U	ug/L	2	0.52	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Bromomethane [74-83-9] ^	0.88	U	ug/L	2	0.88	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	QL-02
Carbon tetrachloride [56-23-5] ^	0.84	U	ug/L	2	0.84	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Chlorobenzene [108-90-7] ^	0.46	U	ug/L	2	0.46	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	QL-02
Chloroethane [75-00-3] ^	0.68	U	ug/L	2	0.68	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Chloroform [67-66-3] ^	0.80	U	ug/L	2	0.80	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Chloromethane [74-87-3] ^	0.80	U	ug/L	2	0.80	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
cis-1,2-Dichloroethene [156-59-2] ^	0.62	U	ug/L	2	0.62	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
cis-1,3-Dichloropropene [10061-01-5] ^	0.56	U	ug/L	2	0.56	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Dibromochloromethane [124-48-1] ^	0.56	U	ug/L	2	0.56	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Dichlorodifluoromethane [75-71-8] ^	0.26	U	ug/L	2	0.26	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Ethylbenzene [100-41-4] ^	0.56	U	ug/L	2	0.56	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	2	0.48	4.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Methylene chloride [75-09-2] ^	**1.0**	IV	ug/L	2	0.46	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	J-01, O-01
Methyl-tert-Butyl Ether [1634-04-4] ^	0.46	U	ug/L	2	0.46	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
o-Xylene [95-47-6] ^	0.54	U	ug/L	2	0.54	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Tetrachloroethene [127-18-4] ^	0.62	U	ug/L	2	0.62	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Toluene [108-88-3] ^	0.70	U	ug/L	2	0.70	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
trans-1,2-Dichloroethene [156-60-5] ^	0.92	U	ug/L	2	0.92	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
trans-1,3-Dichloropropene [10061-02-6] ^	0.54	U	ug/L	2	0.54	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Trichloroethene [79-01-6] ^	1.1	U	ug/L	2	1.1	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Trichlorofluoromethane [75-69-4] ^	0.82	U	ug/L	2	0.82	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Vinyl chloride [75-01-4] ^	1.2	U	ug/L	2	1.2	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	
Xylenes (Total) [1330-20-7] ^	0.54	U	ug/L	2	0.54	2.0	9I03007	EPA 8260B	09/04/09 06:37	JAL	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*81 %*	*68-120*	*9I03007*	*EPA 8260B*	*09/04/09 06:37*	*JAL*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*79-121*	*9I03007*	*EPA 8260B*	*09/04/09 06:37*	*JAL*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*79-120*	*9I03007*	*EPA 8260B*	*09/04/09 06:37*	*JAL*	

Description: CW-5R
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-17
Sampled: 08/28/09 15:47
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Metals by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0460	U	ug/L	1	0.0460	0.200	9I03008	EPA 7470A	09/05/09 12:06	sma	

Description: CW-5R
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-17
Sampled: 08/28/09 15:47
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Aluminum [7429-90-5] ^	65.0	U	ug/L	1	65.0	200	9H31008	EPA 6010C	09/01/09 14:30	ACV	
Arsenic [7440-38-2] ^	**11.1**		ug/L	1	5.80	10.0	9H31008	EPA 6010C	09/01/09 14:30	ACV	
Cadmium [7440-43-9] ^	0.420	U	ug/L	1	0.420	1.00	9H31008	EPA 6010C	09/01/09 14:30	ACV	
Chromium [7440-47-3] ^	**22.3**		ug/L	1	0.800	10.0	9H31008	EPA 6010C	09/01/09 14:30	ACV	
Iron [7439-89-6] ^	**8060**		ug/L	1	27.0	50.0	9H31008	EPA 6010C	09/01/09 14:30	ACV	
Lead [7439-92-1] ^	2.40	U	ug/L	1	2.40	10.0	9H31008	EPA 6010C	09/01/09 14:30	ACV	
Sodium [7440-23-5] ^	**245000**		ug/L	1	210	500	9H31008	EPA 6010C	09/01/09 14:30	ACV	

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	POL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	5.80	U	ug/L	1	5.80	10.0	9I16012	EPA 6010C	09/17/09 13:55	ACV	
Iron [7439-89-6] ^	**8210**		ug/L	1	27.0	50.0	9I10011	EPA 6010C	09/11/09 16:45	ACV	
Sodium [7440-23-5] ^	**243000**		ug/L	1	210	500	9I10011	EPA 6010C	09/11/09 16:45	ACV	

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Description: CW-5R
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-17
Sampled: 08/28/09 15:47
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Classical Chemistry Parameters

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Total Dissolved Solids [ECL-0156] ^	**1800**		mg/L	1	10	10	9I01011	SM 2540C	09/02/09 16:40	GMB	

Description: CW-5R
Matrix: Ground Water
Project: Nine Mile Road

Lab Sample ID: B903940-17
Sampled: 08/28/09 15:47
Sampled By: Mathew Hampton/Josh Ric

Received: 08/28/09 17:25
Work Order: B903940

Classical Chemistry Parameters

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Ammonia as N [7664-41-7] ^	**52**		mg/L	50	0.50	1.0	9I01004	EPA 350.1	09/01/09 12:47	KG	
Chloride [16887-00-6] ^	**190**		mg/L	25	6.0	120	9H29003	EPA 300.0	08/29/09 19:33	RSA	
Nitrate as N [14797-55-8] ^	**0.87**	I	mg/L	1	0.10	1.0	9H29003	EPA 300.0	08/29/09 15:40	RSA	
Phenolics [ECL-0123] ^	**0.02**	I	mg/L	1	0.02	0.05	9I02024	EPA 420.1	09/03/09 10:50	CAS	
Sulfate [14808-79-8] ^	**12**		mg/L	1	0.11	5.0	9H29003	EPA 300.0	08/29/09 15:40	RSA	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9I02010 - EPA 5035_MS

Blank (9I02010-BLK1) Prepared: 09/02/2009 10:29 Analyzed: 09/02/2009 15:00

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.35	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.19	U	1.0	ug/L							
1,1,2-Trichloroethane	0.40	U	1.0	ug/L							
1,1-Dichloroethane	0.35	U	1.0	ug/L							
1,1-Dichloroethene	0.32	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.16	U	1.0	ug/L							
1,2-Dichlorobenzene	0.40	U	1.0	ug/L							
1,2-Dichloroethane	0.44	U	1.0	ug/L							
1,2-Dichloropropane	0.49	U	1.0	ug/L							
1,3-Dichlorobenzene	0.35	U	1.0	ug/L							
1,4-Dichlorobenzene	0.26	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	1.5	U	5.0	ug/L							
Benzene	0.27	U	1.0	ug/L							
Bromodichloromethane	0.11	U	1.0	ug/L							
Bromoform	0.26	U	1.0	ug/L							
Bromomethane	0.44	U	1.0	ug/L							
Carbon tetrachloride	0.42	U	1.0	ug/L							
Chlorobenzene	0.23	U	1.0	ug/L							
Chloroethane	0.34	U	1.0	ug/L							
Chloroform	0.40	U	1.0	ug/L							
Chloromethane	0.40	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.31	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.28	U	1.0	ug/L							
Dichlorodifluoromethane	0.13	U	1.0	ug/L							
Ethylbenzene	0.28	U	1.0	ug/L							
m,p-Xylenes	0.24	U	2.0	ug/L							
Methylene chloride	**1.1**		1.0	ug/L							
Methyl-tert-Butyl Ether	0.23	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
Tetrachloroethene	0.31	U	1.0	ug/L							
Toluene	0.35	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.46	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.27	U	1.0	ug/L							
Trichloroethene	0.56	U	1.0	ug/L							
Trichlorofluoromethane	0.41	U	1.0	ug/L							
Vinyl chloride	0.58	U	1.0	ug/L							
Xylenes (Total)	0.27	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*68-120*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*79-121*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*91*	*79-120*			

LCS (9I02010-BS1) Prepared: 09/02/2009 10:29 Analyzed: 09/02/2009 16:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0		78	53-146			
Benzene	20		1.0	ug/L	20.0		98	69-132			
Chlorobenzene	21		1.0	ug/L	20.0		103	65-131			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9I02010 - EPA 5035_MS

LCS (9I02010-BS1) Continued Prepared: 09/02/2009 10:29 Analyzed: 09/02/2009 16:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Toluene	19		1.0	ug/L	20.0		94	69-128			
Trichloroethene	19		1.0	ug/L	20.0		93	49-129			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*87*	*68-120*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*79-121*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*79-120*			

Matrix Spike (9I02010-MS1) Prepared: 09/02/2009 10:29 Analyzed: 09/02/2009 16:57

Source: B904112-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	14		1.0	ug/L	20.0	0.32 U	70	53-146		39	
Benzene	16		1.0	ug/L	20.0	0.27 U	82	69-132		32	
Chlorobenzene	18		1.0	ug/L	20.0	0.23 U	89	65-131		32	
Toluene	17		1.0	ug/L	20.0	0.35 U	85	69-128		37	
Trichloroethene	16		1.0	ug/L	20.0	0.56 U	79	49-129		38	
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*68-120*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*79-121*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*89*	*79-120*			

Matrix Spike Dup (9I02010-MSD1) Prepared: 09/02/2009 10:29 Analyzed: 09/02/2009 17:36

Source: B904112-04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	14		1.0	ug/L	20.0	0.32 U	71	53-146	1	39	
Benzene	16		1.0	ug/L	20.0	0.27 U	81	69-132	1	32	
Chlorobenzene	18		1.0	ug/L	20.0	0.23 U	89	65-131	0.9	32	
Toluene	16		1.0	ug/L	20.0	0.35 U	81	69-128	5	37	
Trichloroethene	15		1.0	ug/L	20.0	0.56 U	76	49-129	4	38	
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*68-120*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*79-121*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*91*	*79-120*			

Batch 9I03007 - EPA 5030B_MS

Blank (9I03007-BLK1) Prepared: 09/03/2009 13:13 Analyzed: 09/03/2009 13:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	0.35	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.19	U	1.0	ug/L							
1,1,2-Trichloroethane	0.40	U	1.0	ug/L							
1,1-Dichloroethane	0.35	U	1.0	ug/L							
1,1-Dichloroethene	0.32	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.16	U	1.0	ug/L							
1,2-Dichlorobenzene	0.40	U	1.0	ug/L							
1,2-Dichloroethane	0.44	U	1.0	ug/L							
1,2-Dichloropropane	0.49	U	1.0	ug/L							
1,3-Dichlorobenzene	0.35	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9I03007 - EPA 5030B_MS

Blank (9I03007-BLK1) Continued Prepared: 09/03/2009 13:13 Analyzed: 09/03/2009 13:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,4-Dichlorobenzene	0.26	U	1.0	ug/L							
2-Chloroethyl Vinyl Ether	1.5	U	5.0	ug/L							
Benzene	0.27	U	1.0	ug/L							
Bromodichloromethane	0.11	U	1.0	ug/L							
Bromoform	0.26	U	1.0	ug/L							
Bromomethane	0.44	U	1.0	ug/L							
Carbon tetrachloride	0.42	U	1.0	ug/L							
Chlorobenzene	0.23	U	1.0	ug/L							
Chloroethane	0.34	U	1.0	ug/L							
Chloroform	0.40	U	1.0	ug/L							
Chloromethane	0.40	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.31	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.28	U	1.0	ug/L							
Dichlorodifluoromethane	0.13	U	1.0	ug/L							
Ethylbenzene	0.28	U	1.0	ug/L							
m,p-Xylenes	0.24	U	2.0	ug/L							
Methylene chloride	**1.2**		1.0	ug/L							
Methyl-tert-Butyl Ether	0.23	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
Tetrachloroethene	0.31	U	1.0	ug/L							
Toluene	0.35	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.46	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.27	U	1.0	ug/L							
Trichloroethene	0.56	U	1.0	ug/L							
Trichlorofluoromethane	0.41	U	1.0	ug/L							
Vinyl chloride	0.58	U	1.0	ug/L							
Xylenes (Total)	0.27	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*85*	*68-120*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*79-121*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*79-120*			

Blank (9I03007-BLK2) Prepared: 09/03/2009 13:13 Analyzed: 09/03/2009 18:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1-Trichloroethane	35	U	100	ug/L							
1,1,2,2-Tetrachloroethane	19	U	100	ug/L							
1,1,2-Trichloroethane	40	U	100	ug/L							
1,1-Dichloroethane	35	U	100	ug/L							
1,1-Dichloroethene	32	U	100	ug/L							
1,2-Dibromo-3-chloropropane	16	U	100	ug/L							
1,2-Dichlorobenzene	40	U	100	ug/L							
1,2-Dichloroethane	44	U	100	ug/L							
1,2-Dichloropropane	49	U	100	ug/L							
1,3-Dichlorobenzene	35	U	100	ug/L							
1,4-Dichlorobenzene	26	U	100	ug/L							
2-Chloroethyl Vinyl Ether	150	U	500	ug/L							
Benzene	27	U	100	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9I03007 - EPA 5030B_MS

Blank (9I03007-BLK2) Continued Prepared: 09/03/2009 13:13 Analyzed: 09/03/2009 18:18

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromodichloromethane	11	U	100	ug/L							
Bromoform	26	U	100	ug/L							
Bromomethane	44	U	100	ug/L							
Carbon tetrachloride	42	U	100	ug/L							
Chlorobenzene	23	U	100	ug/L							
Chloroethane	34	U	100	ug/L							
Chloroform	40	U	100	ug/L							
Chloromethane	40	U	100	ug/L							
cis-1,2-Dichloroethene	31	U	100	ug/L							
cis-1,3-Dichloropropene	28	U	100	ug/L							
Dibromochloromethane	28	U	100	ug/L							
Dichlorodifluoromethane	13	U	100	ug/L							
Ethylbenzene	28	U	100	ug/L							
m,p-Xylenes	24	U	200	ug/L							
Methylene chloride	**120**		100	ug/L							
Methyl-tert-Butyl Ether	23	U	100	ug/L							
o-Xylene	27	U	100	ug/L							
Tetrachloroethene	31	U	100	ug/L							
Toluene	35	U	100	ug/L							
trans-1,2-Dichloroethene	46	U	100	ug/L							
trans-1,3-Dichloropropene	27	U	100	ug/L							
Trichloroethene	56	U	100	ug/L							
Trichlorofluoromethane	41	U	100	ug/L							
Vinyl chloride	58	U	100	ug/L							
Xylenes (Total)	27	U	100	ug/L							
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*68-120*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*79-121*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*91*	*79-120*			

LCS (9I03007-BS1) Prepared: 09/03/2009 13:13 Analyzed: 09/03/2009 14:27

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		102	53-146			
Benzene	24		1.0	ug/L	20.0		119	69-132			
Chlorobenzene	27		1.0	ug/L	20.0		133	65-131			
Toluene	25		1.0	ug/L	20.0		123	69-128			
Trichloroethene	24		1.0	ug/L	20.0		120	49-129			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*87*	*68-120*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*87*	*79-121*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*89*	*79-120*			

Matrix Spike (9I03007-MS1) Prepared: 09/03/2009 13:13 Analyzed: 09/03/2009 15:44

Source: B904112-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	14		1.0	ug/L	20.0	0.32 U	72	53-146		39	
Benzene	17		1.0	ug/L	20.0	0.27 U	87	69-132		32	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9I03007 - EPA 5030B_MS

Matrix Spike (9I03007-MS1) Continued Prepared: 09/03/2009 13:13 Analyzed: 09/03/2009 15:44

Source: B904112-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	19		1.0	ug/L	20.0	0.23 U	93	65-131		32	
Toluene	18		1.0	ug/L	20.0	0.35 U	88	69-128		37	
Trichloroethene	16		1.0	ug/L	20.0	0.56 U	81	49-129		38	
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*87*	*68-120*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*86*	*79-121*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*93*	*79-120*			

Matrix Spike Dup (9I03007-MSD1) Prepared: 09/03/2009 13:13 Analyzed: 09/03/2009 16:23

Source: B904112-05

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.32 U	91	53-146	24	39	
Benzene	20		1.0	ug/L	20.0	0.27 U	100	69-132	15	32	
Chlorobenzene	22		1.0	ug/L	20.0	0.23 U	109	65-131	16	32	
Toluene	20		1.0	ug/L	20.0	0.35 U	102	69-128	15	37	
Trichloroethene	19		1.0	ug/L	20.0	0.56 U	97	49-129	18	38	
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*68-120*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*79-121*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*79-120*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9I03008 - EPA 7470A

Blank (9I03008-BLK1) Prepared: 09/04/2009 10:21 Analyzed: 09/05/2009 11:37

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0460	U	0.200	ug/L							

Blank (9I03008-BLK2) Prepared: 09/04/2009 10:21 Analyzed: 09/05/2009 11:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0460	U	0.200	ug/L							

LCS (9I03008-BS1) Prepared: 09/04/2009 10:21 Analyzed: 09/05/2009 11:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.43		0.200	ug/L	5.00		109	85-115		25	

Matrix Spike (9I03008-MS1) Prepared: 09/04/2009 10:21 Analyzed: 09/05/2009 11:42

Source: B903940-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.99		0.200	ug/L	5.00	0.0460 U	100	85-115		25	

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9I03008 - EPA 7470A

Matrix Spike Dup (9I03008-MSD1) Prepared: 09/04/2009 10:21 Analyzed: 09/05/2009 11:44

Source: B903940-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.69		0.200	ug/L	5.00	0.0460 U	94	85-115	6	25	

Batch 9I04005 - EPA 7470A

Blank (9I04005-BLK1) Prepared: 09/04/2009 10:18 Analyzed: 09/05/2009 14:04

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0460	U	0.200	ug/L							

LCS (9I04005-BS1) Prepared: 09/04/2009 10:18 Analyzed: 09/05/2009 14:06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.48		0.200	ug/L	5.00		110	85-115		25	

Matrix Spike (9I04005-MS1) Prepared: 09/04/2009 10:18 Analyzed: 09/05/2009 14:08

Source: B904121-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	16.3		0.600	ug/L	15.0	0.138 U	109	85-115		25	

Matrix Spike Dup (9I04005-MSD1) Prepared: 09/04/2009 10:18 Analyzed: 09/05/2009 14:09

Source: B904121-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	15.4		0.600	ug/L	15.0	0.138 U	103	85-115	6	25	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 9H31008 - EPA 3005A

Blank (9H31008-BLK1) Prepared: 08/31/2009 14:12 Analyzed: 09/01/2009 13:17

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	65.0	U	200	ug/L							
Arsenic	5.80	U	10.0	ug/L							
Cadmium	0.420	U	1.00	ug/L							
Chromium	0.800	U	10.0	ug/L							
Iron	27.0	U	50.0	ug/L							
Lead	2.40	U	10.0	ug/L							
Sodium	210	U	500	ug/L							

LCS (9H31008-BS1) Prepared: 08/31/2009 14:12 Analyzed: 09/01/2009 13:57

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10200		200	ug/L	10000		102	85-115		20	
Arsenic	1050		10.0	ug/L	1000		105	85-115		20	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 9H31008 - EPA 3005A

LCS (9H31008-BS1) Continued Prepared: 08/31/2009 14:12 Analyzed: 09/01/2009 13:57

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	517		1.00	ug/L	500		103	85-115		20	
Chromium	1040		10.0	ug/L	1000		104	85-115		20	
Iron	10300		50.0	ug/L	10000		103	85-115		20	
Lead	1050		10.0	ug/L	1000		105	85-115		20	
Sodium	52100		500	ug/L	50000		104	85-115		20	

Matrix Spike (9H31008-MS1) Prepared: 08/31/2009 14:12 Analyzed: 09/01/2009 14:00

Source: B904149-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	12400		200	ug/L	10000	1560	109	80-120		30	
Arsenic	1060		10.0	ug/L	1000	9.21	105	80-120		30	
Cadmium	514		1.00	ug/L	500	0.420 U	103	80-120		30	
Chromium	1040		10.0	ug/L	1000	1.26	104	80-120		30	
Iron	11300		50.0	ug/L	10000	816	105	80-120		30	
Lead	1050		10.0	ug/L	1000	2.40 U	105	80-120		30	
Sodium	52200		500	ug/L	50000	1330	102	80-120		30	

Matrix Spike Dup (9H31008-MSD1) Prepared: 08/31/2009 14:12 Analyzed: 09/01/2009 14:02

Source: B904149-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	12700		200	ug/L	10000	1560	112	80-120	2	30	
Arsenic	1070		10.0	ug/L	1000	9.21	106	80-120	1	30	
Cadmium	520		1.00	ug/L	500	0.420 U	104	80-120	1	30	
Chromium	1050		10.0	ug/L	1000	1.26	105	80-120	1	30	
Iron	11500		50.0	ug/L	10000	816	107	80-120	1	30	
Lead	1060		10.0	ug/L	1000	2.40 U	106	80-120	0.6	30	
Sodium	53600		500	ug/L	50000	1330	104	80-120	2	30	

Batch 9H31009 - EPA 3005A

Blank (9H31009-BLK1) Prepared: 08/31/2009 14:19 Analyzed: 09/01/2009 13:19

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	65.0	U	200	ug/L							
Arsenic	5.80	U	10.0	ug/L							
Cadmium	0.420	U	1.00	ug/L							
Chromium	0.800	U	10.0	ug/L							
Iron	27.0	U	50.0	ug/L							
Lead	2.40	U	10.0	ug/L							
Sodium	210	U	500	ug/L							

LCS (9H31009-BS1) Prepared: 08/31/2009 14:19 Analyzed: 09/01/2009 14:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10200		200	ug/L	10000		102	85-115		20	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 9H31009 - EPA 3005A

LCS (9H31009-BS1) Continued Prepared: 08/31/2009 14:19 Analyzed: 09/01/2009 14:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	995		10.0	ug/L	1000		99	85-115		20	
Cadmium	495		1.00	ug/L	500		99	85-115		20	
Chromium	990		10.0	ug/L	1000		99	85-115		20	
Iron	9850		50.0	ug/L	10000		99	85-115		20	
Lead	995		10.0	ug/L	1000		100	85-115		20	
Sodium	51800		500	ug/L	50000		104	85-115		20	

Matrix Spike (9H31009-MS1) Prepared: 08/31/2009 14:19 Analyzed: 09/01/2009 14:53

Source: B903940-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10200		200	ug/L	10000	65.0 U	102	80-120		30	
Arsenic	1070		10.0	ug/L	1000	8.18	106	80-120		30	
Cadmium	491		1.00	ug/L	500	0.420 U	98	80-120		30	
Chromium	1030		10.0	ug/L	1000	4.20	103	80-120		30	
Iron	10800		50.0	ug/L	10000	636	102	80-120		30	
Lead	980		10.0	ug/L	1000	2.40 U	98	80-120		30	
Sodium	84900		500	ug/L	50000	34100	102	80-120		30	

Matrix Spike Dup (9H31009-MSD1) Prepared: 08/31/2009 14:19 Analyzed: 09/01/2009 14:55

Source: B903940-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10300		200	ug/L	10000	65.0 U	103	80-120	0.7	30	
Arsenic	1090		10.0	ug/L	1000	8.18	108	80-120	2	30	
Cadmium	494		1.00	ug/L	500	0.420 U	99	80-120	0.6	30	
Chromium	1040		10.0	ug/L	1000	4.20	103	80-120	0.7	30	
Iron	10900		50.0	ug/L	10000	636	103	80-120	0.7	30	
Lead	993		10.0	ug/L	1000	2.40 U	99	80-120	1	30	
Sodium	86100		500	ug/L	50000	34100	104	80-120	1	30	

Batch 9I16012 - EPA 3005A

Blank (9I16012-BLK1) Prepared: 09/16/2009 15:08 Analyzed: 09/17/2009 13:22

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	5.80	U	10.0	ug/L							

LCS (9I16012-BS1) Prepared: 09/16/2009 15:08 Analyzed: 09/17/2009 13:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	997		10.0	ug/L	1000		100	85-115		20	

Matrix Spike (9I16012-MS1) Prepared: 09/16/2009 15:08 Analyzed: 09/17/2009 13:41

Source: B904389-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 9I16012 - EPA 3005A

Matrix Spike (9I16012-MS1) Continued Prepared: 09/16/2009 15:08 Analyzed: 09/17/2009 13:41

Source: B904389-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1010		10.0	ug/L	1000	5.80 U	101	80-120		30	

Matrix Spike Dup (9I16012-MSD1) Prepared: 09/16/2009 15:08 Analyzed: 09/17/2009 13:44

Source: B904389-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	986		10.0	ug/L	1000	5.80 U	99	80-120	2	30	

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 9I10011 - EPA 3005A

Blank (9I10011-BLK1) Prepared: 09/10/2009 13:24 Analyzed: 09/11/2009 14:37

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	65.0	U	200	ug/L							
Arsenic	5.80	U	10.0	ug/L							
Iron	27.0	U	50.0	ug/L							
Sodium	210	U	500	ug/L							

Blank (9I10011-BLK2) Prepared: 09/10/2009 13:24 Analyzed: 09/15/2009 11:28

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	65.0	U	200	ug/L							

LCS (9I10011-BS1) Prepared: 09/10/2009 13:24 Analyzed: 09/11/2009 14:51

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10000		200	ug/L	10000		100	85-115		20	
Arsenic	1060		10.0	ug/L	1000		106	85-115		20	
Iron	10400		50.0	ug/L	10000		104	85-115		20	
Sodium	51300		500	ug/L	50000		103	85-115		20	

Matrix Spike (9I10011-MS1) Prepared: 09/10/2009 13:24 Analyzed: 09/11/2009 14:53

Source: B904345-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10000		200	ug/L	10000	103	99	80-120		30	
Arsenic	1110		10.0	ug/L	1000	6.96	111	80-120		30	
Iron	10800		50.0	ug/L	10000	37.1	107	80-120		30	
Sodium	58100		500	ug/L	50000	8060	100	80-120		30	

Matrix Spike Dup (9I10011-MSD1) Prepared: 09/10/2009 13:24 Analyzed: 09/11/2009 14:56

Source: B904345-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Metals (Dissolved) by EPA 6000/7000 Series Methods - Quality Control

Batch 9I10011 - EPA 3005A

Matrix Spike Dup (9I10011-MSD1) Continued Prepared: 09/10/2009 13:24 Analyzed: 09/11/2009 14:56

Source: B904345-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Aluminum	10200		200	ug/L	10000	103	101	80-120	1	30	
Arsenic	1120		10.0	ug/L	1000	6.96	111	80-120	0.4	30	
Iron	10900		50.0	ug/L	10000	37.1	109	80-120	1	30	
Sodium	59000		500	ug/L	50000	8060	102	80-120	1	30	

Batch 9I16012 - EPA 3005A

Blank (9I16012-BLK1) Prepared: 09/16/2009 15:08 Analyzed: 09/17/2009 13:22

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	5.80	U	10.0	ug/L							

LCS (9I16012-BS1) Prepared: 09/16/2009 15:08 Analyzed: 09/17/2009 13:39

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	997		10.0	ug/L	1000		100	85-115		20	

Matrix Spike (9I16012-MS1) Prepared: 09/16/2009 15:08 Analyzed: 09/17/2009 13:41

Source: B904389-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1010		10.0	ug/L	1000	5.80 U	101	80-120		30	

Matrix Spike Dup (9I16012-MSD1) Prepared: 09/16/2009 15:08 Analyzed: 09/17/2009 13:44

Source: B904389-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	986		10.0	ug/L	1000	5.80 U	99	80-120	2	30	

Classical Chemistry Parameters - Quality Control

Batch 9I01011 - NO PREP

Blank (9I01011-BLK1) Prepared: 09/01/2009 17:15 Analyzed: 09/02/2009 16:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (9I01011-BS1) Prepared: 09/01/2009 17:15 Analyzed: 09/02/2009 16:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	348		10	mg/L	350		99	90-110			

Duplicate (9I01011-DUP1) Prepared: 09/01/2009 17:15 Analyzed: 09/02/2009 16:40

Source: B903940-06

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9I01011 - NO PREP

Duplicate (9I01011-DUP1) Continued Prepared: 09/01/2009 17:15 Analyzed: 09/02/2009 16:40

Source: B903940-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	2060		10	mg/L		2140			4	10	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9H29003 - NO PREP

Blank (9H29003-BLK1) Prepared: 08/29/2009 08:45 Analyzed: 08/29/2009 09:31

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.24	U	5.0	mg/L							
Nitrate as N	0.10	U	1.0	mg/L							
Sulfate	0.11	U	5.0	mg/L							

LCS (9H29003-BS1) Prepared: 08/29/2009 08:45 Analyzed: 08/29/2009 10:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	48		5.0	mg/L	50.0		97	90-110		10	
Nitrate as N	9.5		1.0	mg/L	10.0		95	90-110		10	
Sulfate	47		5.0	mg/L	50.0		94	90-110		10	

Matrix Spike (9H29003-MS1) Prepared: 08/29/2009 10:26 Analyzed: 08/29/2009 10:49

Source: B903940-13

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	72		5.0	mg/L	51.0	20	103	90-110		10	
Nitrate as N	9.7		1.0	mg/L	10.2	0.10 U	95	90-110		10	
Sulfate	57		5.0	mg/L	51.0	8.6	95	90-110		10	

Matrix Spike Dup (9H29003-MSD1) Prepared: 08/29/2009 10:26 Analyzed: 08/29/2009 11:08

Source: B903940-13

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	73		5.0	mg/L	51.0	20	104	90-110	0.7	10	
Nitrate as N	9.8		1.0	mg/L	10.2	0.10 U	96	90-110	1	10	
Sulfate	58		5.0	mg/L	51.0	8.6	96	90-110	0.7	10	

Batch 9H31013 - NO PREP

Blank (9H31013-BLK1) Prepared: 08/31/2009 16:50 Analyzed: 09/01/2009 23:11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (9H31013-BS1) Prepared: 08/31/2009 16:50 Analyzed: 09/01/2009 23:11

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9H31013 - NO PREP

LCS (9H31013-BS1) Continued Prepared: 08/31/2009 16:50 Analyzed: 09/01/2009 23:11

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	300		10	mg/L	300		99	88-111		10	

Duplicate (9H31013-DUP1) Prepared: 08/31/2009 16:50 Analyzed: 09/01/2009 23:11

Source: A904309-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	940		10	mg/L		940			0	10	

Batch 9I01001 - NO PREP

Blank (9I01001-BLK1) Prepared: 09/01/2009 07:45 Analyzed: 09/01/2009 08:55

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	0.24	U	5.0	mg/L							
Sulfate	0.11	U	5.0	mg/L							

LCS (9I01001-BS1) Prepared: 09/01/2009 07:45 Analyzed: 09/01/2009 09:15

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	49		5.0	mg/L	50.0		98	90-110		10	
Sulfate	48		5.0	mg/L	50.0		95	90-110		10	

Matrix Spike (9I01001-MS1) Prepared: 09/01/2009 11:00 Analyzed: 09/01/2009 11:26

Source: A904333-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	64		5.0	mg/L	51.0	10	105	90-110		10	
Sulfate	54		5.0	mg/L	51.0	4.1	98	90-110		10	

Matrix Spike Dup (9I01001-MSD1) Prepared: 09/01/2009 11:00 Analyzed: 09/01/2009 11:46

Source: A904333-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	64		5.0	mg/L	51.0	10	104	90-110	1	10	
Sulfate	54		5.0	mg/L	51.0	4.1	98	90-110	0.06	10	

Batch 9I01004 - NO PREP

Blank (9I01004-BLK1) Prepared: 09/01/2009 08:21 Analyzed: 09/01/2009 11:40

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	0.010	U	0.020	mg/L							

LCS (9I01004-BS1) Prepared: 09/01/2009 08:21 Analyzed: 09/01/2009 11:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	1.0		0.020	mg/L	1.00		102	90-110			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9I01004 - NO PREP

Matrix Spike (9I01004-MS1) Prepared: 09/01/2009 08:21 Analyzed: 09/01/2009 11:59

Source: A904191-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	18		0.20	mg/L	1.00	17	85	90-110		10	QM-07

Matrix Spike Dup (9I01004-MSD1) Prepared: 09/01/2009 08:21 Analyzed: 09/01/2009 12:00

Source: A904191-02

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ammonia as N	18		0.20	mg/L	1.00	17	88	90-110	0.2	10	QM-07

Batch 9I01009 - NO PREP

Blank (9I01009-BLK1) Prepared: 09/01/2009 10:04 Analyzed: 09/01/2009 16:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.01	U	0.05	mg/L							

Blank (9I01009-BLK2) Prepared: 09/01/2009 10:04 Analyzed: 09/02/2009 15:43

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.01	U	0.05	mg/L							

LCS (9I01009-BS1) Prepared: 09/01/2009 10:04 Analyzed: 09/01/2009 16:10

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.49		0.05	mg/L	0.500		97	78-110		10	

LCS (9I01009-BS2) Prepared: 09/01/2009 10:04 Analyzed: 09/02/2009 15:43

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.45		0.05	mg/L	0.500		89	78-110		10	

Matrix Spike (9I01009-MS1) Prepared: 09/01/2009 10:04 Analyzed: 09/01/2009 16:10

Source: B903940-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.51		0.05	mg/L	0.500	0.01 U	101	78-110		10	

Matrix Spike Dup (9I01009-MSD1) Prepared: 09/01/2009 10:04 Analyzed: 09/01/2009 16:10

Source: B903940-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.50		0.05	mg/L	0.500	0.01 U	100	78-110	0.6	10	

Batch 9I02024 - NO PREP

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9I02024 - NO PREP

Blank (9I02024-BLK1) Prepared: 09/02/2009 12:39 Analyzed: 09/03/2009 10:50

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.01	U	0.05	mg/L							

LCS (9I02024-BS1) Prepared: 09/02/2009 12:39 Analyzed: 09/03/2009 10:50

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.51		0.05	mg/L	0.500		102	78-110		10	

Matrix Spike (9I02024-MS1) Prepared: 09/02/2009 12:39 Analyzed: 09/03/2009 10:50

Source: A904186-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.55		0.05	mg/L	0.500	0.05	101	78-110		10	

Matrix Spike Dup (9I02024-MSD1) Prepared: 09/02/2009 12:39 Analyzed: 09/03/2009 10:50

Source: A904186-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenolics	0.54		0.05	mg/L	0.500	0.05	98	78-110	3	10	

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value. The associated sample note or project narrative indicate the causative reason.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
J-01	Result is estimated due to positive results in the associated method blank.
O-01	This compound is a common laboratory contaminant.
QL-02	The associated laboratory control sample exhibited high bias; since the result is ND, the impact on data quality is minimal.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

Page 1 of 2

Client Name: Golder Associates Inc	Project Number: [illegible]
Address: [illegible]	Project Name/Desc: [illegible]
City/ST/Zip: [illegible]	PO # / Billing Info: [illegible]
Tel: (904) [illegible]	Fax: [illegible]
Reporting Contact: [illegible]	Billing Contact: [illegible]
Sampler(s) Name, Affiliation (Print): Matthew [illegible] / Golder	Site Location / Time Zone: [illegible]
Sampler(s) Signature: [illegible signature]	

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: B903940

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	N/I	[illegible]/I	[illegible]/I	I	[illegible]/I	N/I	[illegible]/I	[illegible]/I			Sample Comments
1	MW-6	8/27/09	1225	G	GW	3					3						* Volatile samples
2	MW-9	8/27/09	1330	G	GW	[illegible]					3						do not have
3	MW-12	8/27/09	1438	G	GW	3					3						any preservative
[illegible]	MW-11	8/27/09	1511	G	GW	3					3						[illegible] hold
5	MW-10	8/27/09	1618	G	GW	3					3						time is 7 days.
6	MW-5	8/28/09	[illegible]	G	GW	9	1	1	1	2	3			1			
7	CW-5	8/28/09	0920	G	GW	9	1	1	1	2	3		1				
8	MW-3	8/28/09	1018	G	GW	8	1	1	1	2	3						
9	MW-7	8/28/09	1125	G	GW	8	1	1	1	2	3						
10	MW-8	8/28/09	1202	G	GW	9	1	1	1	2	3	1					
11	MW-8-FD	8/28/09	1202	G	GW	8	1	1	1	2	3						
12	CW-8	8/28/09	1255	G	GW	9	[illegible]		[illegible]	2	3	1					

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	8/28/09 1336	[signature]	[illegible]
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments: * For MW-6, MW-8, and CW-8 include [illegible] with the [illegible]

Cooler #'s & Temps on Receipt: [illegible] 5.4

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

Page 2 of 2

Client Name: Golder Associates Inc	Project Number: [illegible]
Address: 9428 Baymeadows Rd, Suite #400	Project Name/Desc: [illegible]
City/ST/Zip: Jacksonville, FL 32256	PO # / Billing Info:
Tel: (904) 363-3430 / Fax: (904) 363-3445	Reporting Contact: [illegible]
Sampler(s) Name, Affiliation (Print): Matthew Hampton / Golder	Billing Contact: [illegible]
Sampler(s) Signature: [signature]	Facility # (if required):

Requested Turnaround Times — Note: Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due __/__/__

Lab Workorder: B903940

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	[illegible]	[illegible]	[illegible]	[illegible]	Volatiles 8260/8270 [illegible]	Field Filtered [illegible]	Chloride, TDS, Sulfate	Field Filtered Al, Fe			Sample Comments
Preservation (See Codes)							H/I	S/I	N/I	I	H/I	F/I	I	F/I			
13	CW-5R	8/28/09	1547	G	GW	9	1	1	1	2	3	1					* All volatile
14	CW-5A	8/28/09	[illegible]	G	GW	[illegible]						1	1				samples do not
15	CW-8A	8/28/09	1627	G	GW	9	1	1	1	2	3			1			have preservation
16	EB-01	8/28/09	1455	G	GW	[illegible]	1	1	1	2	3						[illegible]
17	Trip Blank	8/28/09	—	G	—	3					3						have a 7 day hold time.

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	8/28/09 1724	C. Tompson	8/28/09 17:25
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments: * Only analyze field filtered samples if [illegible] exceedances [illegible]. – Should [illegible] analyze [illegible] analyze for field filtered samples.

Cooler #'s & Temps on Receipt: 1X 500 / -5 @ 5.4

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

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Environmental Conservation Laboratories, Inc.
4810 Executive Park Court, Suite 211
Jacksonville FL, 32216-6069
Phone: 904.296.3007 FAX: 904.296.6210

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Friday, October 9, 2009

Golder Associates, Inc. (GO001)

Attn: Mr. Rich Poff

9428 Baymeadows Road, Suite 400

Jacksonville, FL 32256-7979

RE: Laboratory Results for
Project Number: 003-3976-17, Project Name/Desc: Nine Mile Road Resample
ENCO Workorder: B904529

Dear Mr. Rich Poff,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, September 30, 2009.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Jacksonville. Data from outside organizations will be reported under separate cover.

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

Sincerely,

Chris Tompkins For Lorraine Strong

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 15.

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID:	MW-3	Lab ID:	B904529-01	Sampled:	09/30/09 11:46	Received:	09/30/09 16:39

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/14/09	10/02/09 14:13	10/3/2009 11:23

Client ID:	MW-10	Lab ID:	B904529-02RE1	Sampled:	09/30/09 14:29	Received:	09/30/09 16:39

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/29/10	10/02/09 11:16	10/5/2009 15:58

Client ID:	MW-10	Lab ID:	B904529-02RE2	Sampled:	09/30/09 14:29	Received:	09/30/09 16:39

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/29/10	10/02/09 11:16	10/6/2009 15:01

Client ID:	CW-5	Lab ID:	B904529-03RE1	Sampled:	09/30/09 13:02	Received:	09/30/09 16:39

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/29/10	10/02/09 11:16	10/5/2009 16:00

Client ID:	CW-5R	Lab ID:	B904529-04RE1	Sampled:	09/30/09 16:20	Received:	09/30/09 16:39

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/29/10	10/02/09 11:16	10/5/2009 16:02

Client ID:	CW-8	Lab ID:	B904529-05	Sampled:	09/30/09 10:27	Received:	09/30/09 16:39

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/14/09	10/02/09 14:13	10/3/2009 11:54

Client ID:	CW-8	Lab ID:	B904529-05RE2	Sampled:	09/30/09 10:27	Received:	09/30/09 16:39

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/29/10	10/02/09 11:16	10/6/2009 15:03

Client ID:	Equipment Blank	Lab ID:	B904529-06	Sampled:	09/30/09 16:30	Received:	09/30/09 16:39

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/14/09	10/02/09 14:13	10/3/2009 12:26

Client ID:	Equipment Blank	Lab ID:	B904529-06RE1	Sampled:	09/30/09 16:30	Received:	09/30/09 16:39

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/29/10	10/02/09 11:16	10/5/2009 15:56

Client ID:	Trip Blank	Lab ID:	B904529-07	Sampled:	09/30/09 00:00	Received:	09/30/09 16:39

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/14/09	10/02/09 14:13	10/3/2009 12:58

SAMPLE DETECTION SUMMARY

Client ID:	MW-3		Lab ID:	B904529-01			
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Benzene	0.84	I	0.35	1.0	ug/L	EPA 8260B	

Client ID:	MW-10		Lab ID:	B904529-02RE1			
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Sodium - Total	215000		210	500	ug/L	EPA 6010C	

Client ID:	MW-10		Lab ID:	B904529-02RE2			
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Arsenic - Total	28.4		5.80	10.0	ug/L	EPA 6010C	

Client ID:	CW-5		Lab ID:	B904529-03RE1			
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Sodium - Total	220000		210	500	ug/L	EPA 6010C	

Client ID:	CW-5R		Lab ID:	B904529-04RE1			
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Sodium - Total	230000		210	500	ug/L	EPA 6010C	

Client ID:	CW-8		Lab ID:	B904529-05			
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Benzene	2.8		0.35	1.0	ug/L	EPA 8260B	

Client ID:	CW-8		Lab ID:	B904529-05RE2			
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Arsenic - Total	56.7		5.80	10.0	ug/L	EPA 6010C	

ANALYTICAL RESULTS

Description: MW-3
Matrix: Ground Water
Project: Nine Mile Road Resample

Lab Sample ID: B904529-01
Sampled: 09/30/09 11:46
Sampled By:

Received: 09/30/09 16:39
Work Order: B904529

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzene [71-43-2] ^	**0.84**	I	ug/L	1	0.35	1.0	9J02028	EPA 8260B	10/03/09 11:23	kat	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*81 %*	*41-142*	*9J02028*	*EPA 8260B*	*10/03/09 11:23*	*kat*	
Dibromofluoromethane	*36*	*1*	*50.0*	*73 %*	*53-146*	*9J02028*	*EPA 8260B*	*10/03/09 11:23*	*kat*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*41-146*	*9J02028*	*EPA 8260B*	*10/03/09 11:23*	*kat*	

Description:	MW-10	**Lab Sample ID:**	B904529-02	**Received:**	09/30/09 16:39
Matrix:	Ground Water	**Sampled:**	09/30/09 14:29	**Work Order:**	B904529
Project:	Nine Mile Road Resample	**Sampled By:**			

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**28.4**		ug/L	1	5.80	10.0	9J02005	EPA 6010C	10/06/09 15:01	GMB	
Sodium [7440-23-5] ^	**215000**		ug/L	1	210	500	9J02005	EPA 6010C	10/05/09 15:58	GMB	

Description:	CW-5	**Lab Sample ID:**	B904529-03	**Received:**	09/30/09 16:39
Matrix:	Ground Water	**Sampled:**	09/30/09 13:02	**Work Order:**	B904529
Project:	Nine Mile Road Resample	**Sampled By:**			

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Sodium [7440-23-5] ^	**220000**		ug/L	1	210	500	9J02005	EPA 6010C	10/05/09 16:00	GMB	

Description:	CW-5R	**Lab Sample ID:**	B904529-04	**Received:**	09/30/09 16:39
Matrix:	Ground Water	**Sampled:**	09/30/09 16:20	**Work Order:**	B904529
Project:	Nine Mile Road Resample	**Sampled By:**			

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Sodium [7440-23-5] ^	**230000**		ug/L	1	210	500	9J02005	EPA 6010C	10/05/09 16:02	GMB	

Description: CW-8 | **Lab Sample ID:** B904529-05 | **Received:** 09/30/09 16:39
Matrix: Ground Water | **Sampled:** 09/30/09 10:27 | **Work Order:** B904529
Project: Nine Mile Road Resample | **Sampled By:**

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**56.7**		ug/L	1	5.80	10.0	9J02005	EPA 6010C	10/06/09 15:03	GMB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzene [71-43-2] ^	**2.8**		ug/L	1	0.35	1.0	9J02028	EPA 8260B	10/03/09 11:54	kat	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*81 %*	*41-142*	*9J02028*	*EPA 8260B*	*10/03/09 11:54*	*kat*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*53-146*	*9J02028*	*EPA 8260B*	*10/03/09 11:54*	*kat*	
Toluene-d8	*41*	*1*	*50.0*	*83 %*	*41-146*	*9J02028*	*EPA 8260B*	*10/03/09 11:54*	*kat*	

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Description: Equipment Blank | **Lab Sample ID:** B904529-06 | **Received:** 09/30/09 16:39
Matrix: Ground Water | **Sampled:** 09/30/09 16:30 | **Work Order:** B904529
Project: Nine Mile Road Resample | **Sampled By:**

Metals (total recoverable) by EPA 6000/7000 Series Methods

^ - ENCO Jacksonville certified analyte [NELAC E82277]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	5.80	U	ug/L	1	5.80	10.0	9J02005	EPA 6010C	10/05/09 15:56	GMB	QV-01
Sodium [7440-23-5] ^	210	U	ug/L	1	210	500	9J02005	EPA 6010C	10/05/09 15:56	GMB	

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzene [71-43-2] ^	0.35	U	ug/L	1	0.35	1.0	9J02028	EPA 8260B	10/03/09 12:26	kat	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*41-142*	*9J02028*	*EPA 8260B*	*10/03/09 12:26*	*kat*	
Dibromofluoromethane	*36*	*1*	*50.0*	*72 %*	*53-146*	*9J02028*	*EPA 8260B*	*10/03/09 12:26*	*kat*	
Toluene-d8	*42*	*1*	*50.0*	*83 %*	*41-146*	*9J02028*	*EPA 8260B*	*10/03/09 12:26*	*kat*	

Description: Trip Blank
Matrix: Ground Water
Project: Nine Mile Road Resample

Lab Sample ID: B904529-07
Sampled: 09/30/09 00:00
Sampled By:

Received: 09/30/09 16:39
Work Order: B904529

Volatile Organic Compounds by GCMS

^ - ENCO Orlando certified analyte [NELAC E83182]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	PQL	Batch	Method	Analyzed	By	Notes
Benzene [71-43-2] ^	0.35	U	ug/L	1	0.35	1.0	9J02028	EPA 8260B	10/03/09 12:58	kat	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*41-142*	*9J02028*	*EPA 8260B*	*10/03/09 12:58*	*kat*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*53-146*	*9J02028*	*EPA 8260B*	*10/03/09 12:58*	*kat*	
Toluene-d8	*41*	*1*	*50.0*	*83 %*	*41-146*	*9J02028*	*EPA 8260B*	*10/03/09 12:58*	*kat*	

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 9J02005 - EPA 3005A

Blank (9J02005-BLK1) Prepared: 10/02/2009 10:38 Analyzed: 10/02/2009 16:32

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	5.80	U	10.0	ug/L							
Sodium	210	U	500	ug/L							

LCS (9J02005-BS1) Prepared: 10/02/2009 10:38 Analyzed: 10/02/2009 16:34

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	880		10.0	ug/L	1000		88	85-115			
Sodium	49500		500	ug/L	50000		99	85-115			

Matrix Spike (9J02005-MS1) Prepared: 10/02/2009 10:38 Analyzed: 10/02/2009 16:36

Source: B904529-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	908		10.0	ug/L	1000	5.80 U	91	80-120			
Sodium	55100		500	ug/L	50000	210 U	110	80-120			

Matrix Spike Dup (9J02005-MSD1) Prepared: 10/02/2009 10:38 Analyzed: 10/02/2009 16:39

Source: B904529-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	906		10.0	ug/L	1000	5.80 U	91	80-120	0.3	30	
Sodium	55800		500	ug/L	50000	210 U	112	80-120	1	30	

Post Spike (9J02005-PS1) Prepared: 10/02/2009 10:38 Analyzed: 10/06/2009 15:59

Source: B904529-06

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.04		0.0100	mg/L	1.00	0.00580 U	104	80-120			
Sodium	53.9		0.500	mg/L	50.0	0.210 U	108	80-120			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J02028 - EPA 5030B_MS

Blank (9J02028-BLK1) Prepared: 10/02/2009 14:13 Analyzed: 10/03/2009 04:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	0.35	U	1.0	ug/L							
Ethylbenzene	0.43	U	1.0	ug/L							
m,p-Xylenes	0.85	U	1.0	ug/L							
Methyl-tert-Butyl Ether	0.26	U	1.0	ug/L							
o-Xylene	0.39	U	1.0	ug/L							
Toluene	0.43	U	1.0	ug/L							
Xylenes (Total)	0.85	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*41-142*			
Surrogate: Dibromofluoromethane	*34*			*ug/L*	*50.0*		*68*	*53-146*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J02028 - EPA 5030B_MS

Blank (9J02028-BLK1) Continued Prepared: 10/02/2009 14:13 Analyzed: 10/03/2009 04:20

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*40*			*ug/L*	*50.0*		*80*	*41-146*			

LCS (9J02028-BS1) Prepared: 10/02/2009 14:13 Analyzed: 10/03/2009 03:48

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	18		1.0	ug/L	20.0		92	73-138			
Toluene	19		1.0	ug/L	20.0		97	71-123			
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*79*	*41-142*			
Surrogate: Dibromofluoromethane	*38*			*ug/L*	*50.0*		*76*	*53-146*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*82*	*41-146*			

Matrix Spike (9J02028-MS1) Prepared: 10/02/2009 14:13 Analyzed: 10/03/2009 04:53

Source: A904817-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	17		1.0	ug/L	20.0	0.35 U	86	73-138			
Toluene	17		1.0	ug/L	20.0	0.43 U	85	71-123			
Surrogate: 4-Bromofluorobenzene	*42*			*ug/L*	*50.0*		*83*	*41-142*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*53-146*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*41-146*			

Matrix Spike Dup (9J02028-MSD1) Prepared: 10/02/2009 14:13 Analyzed: 10/03/2009 05:26

Source: A904817-01

Analyte	Result	Flag	PQL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	17		1.0	ug/L	20.0	0.35 U	87	73-138	0.8	14	
Toluene	18		1.0	ug/L	20.0	0.43 U	92	71-123	8	16	
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*41-142*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*53-146*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*41-146*			

FLAGS/NOTES AND DEFINITIONS

PQL	PQL: Practical Quantitation Limit.
B	Results are based upon membrane filter colony counts that are outside the method indicated ideal range.
I	The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL).
J	Estimated value. The associated sample note or project narrative indicate the causative reason.
K	Off-scale low; Actual value is known to be less than the value given.
L	Off-scale high; Actual value is known to be greater than value given.
M	Presence of analyte is verified but not quantified; the actual value is less than the MRL but greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample exceeded the accepted holding time.
T	Value reported is less than the laboratory method detection limit. The value is reported for informational purposes only and shall not be used in statistical analysis.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.
?	Data are rejected and should not be used. Some or all of the quality control data for the analyte were outside criteria, and the presence or absence of the analyte cannot be determined from the data.
*	Not reported due to interference.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Page 1 of 1

Client Name: Golder Associates, Inc. ([illegible])	Project Number: [illegible]-9376-17
Address: [illegible] Baymeadows Road, Suite 400	Project Name/Desc: [illegible] Road
City/ST/Zip: Jacksonville, FL 32256-7979	PO # / Billing Info: [illegible]-17 0100
Tel: 904-363-3430 / Fax: (904) 363-3445	Reporting Contact: Mr. Rich [illegible]
Sampler(s) Name, Affiliation (Print): Matthew Hampton / Golder	Billing Contact: Mr. Rich [illegible]
Sampler(s) Signature: [signature]	Facility # (if required):

Requested Analyses: ~~8260~~ Benzene only | As | As, Na | Na

Requested Turnaround Times
Note: Rush requests subject to acceptance by the facility
X Standard
___ Expedited
Due __/__/__

Lab Workorder: B904529

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Benzene only (I)	As (N/F)	As, Na (N/F)	Na (N/F)	Sample Comments
1	MW-3	9/30/09	1146	G	GW	3	X				VOCs do not have
2	[illegible]	9/30/09	1429	G	GW	1			X		perservative so the
3	CW-5	9/30/09	1302	G	GW	1				X	hold time is only
4	CW-[illegible]	9/30/09	1620	G	GW	[illegible]				X	7 days
5	CW-8	9/30/09	1027	G	GW	4	X	X			
6	Equipment Blank	9/30/09	1630	G	GW	[illegible]	X		X		
7	Trip Blank	–	–	–	GW	3	X				

17 <-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
ADC	9/25/09	[signature]	9/25/09		
		[signature]	9/30/09 16:39	[signature]	9/30/09 16:39

Comments:

Cooler #'s & Temps on Receipt: CLK-01 (6.0°C)

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

ATTACHMENT E

GROUNDWATER REPORT FORM 62-522.600(11)

DEP Form # 62-522.900(2)

Form Title Ground Water Monitoring Report

Effective Date

DEP Application No.

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name NINE MILE ROAD LANDFILL

Address 445A International Golf Parkway

City St. Augustine Zip 32095

Telephone Number (904) 825-2105

(2) The GMS Identification Number S3155P04523

(3) DEP Permit Number 0014747-013-SO

(4) Authorized Representative Name Buz Hendricks

Address 445A International Golf Parkway

City St. Augustine Zip 32095

Telephone Number (904) 825-2105

(5) Type of Discharge NONE

(6) Method of Discharge

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Date: 11-13-09 Scott McCallister

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization FDEP Procedures # DEP-SOP-001/01, FS-2200

Analytical Lab NELAC # /HRS Certification # E82277

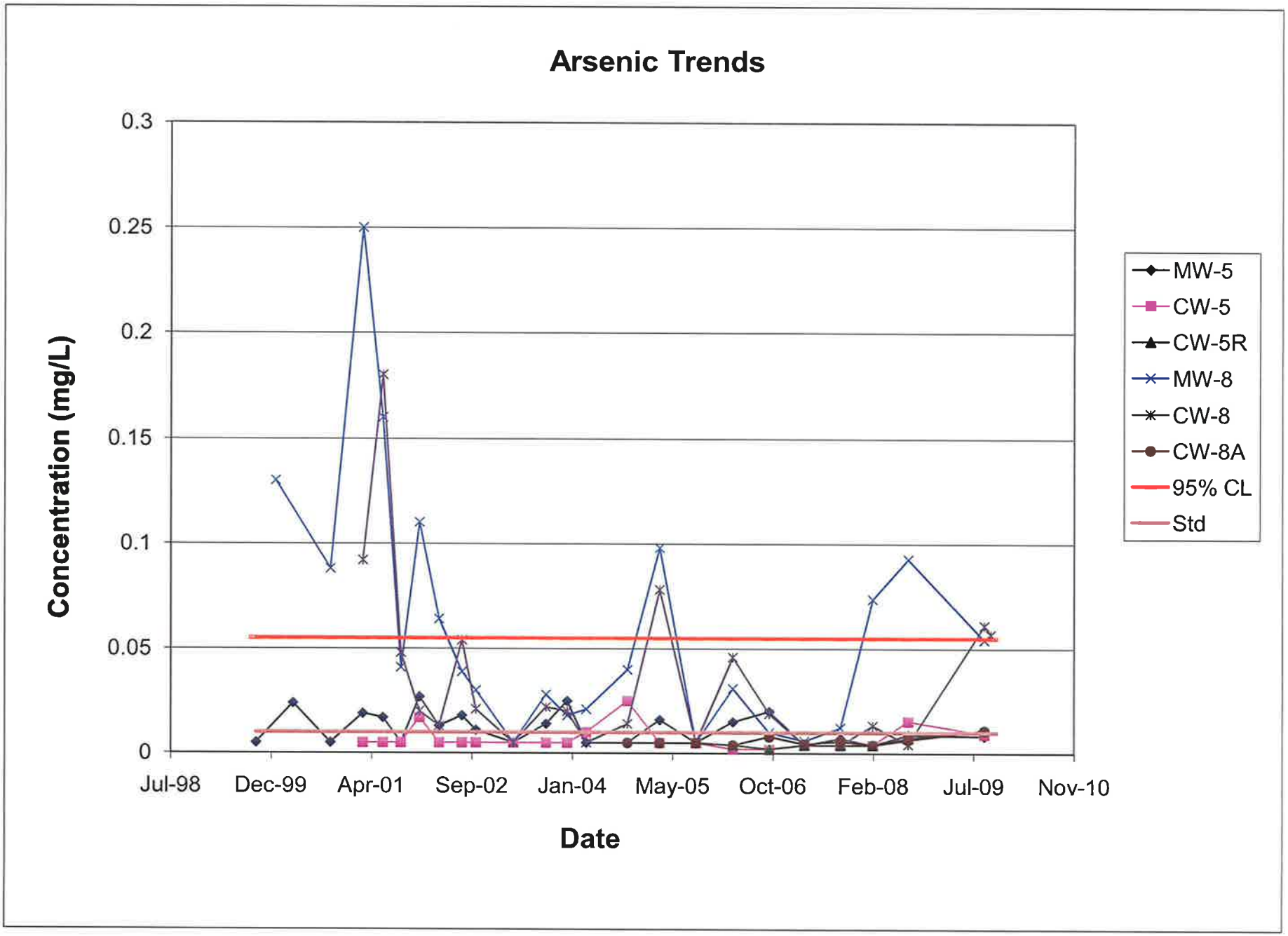
*Comp QAP # /HRS Certification #

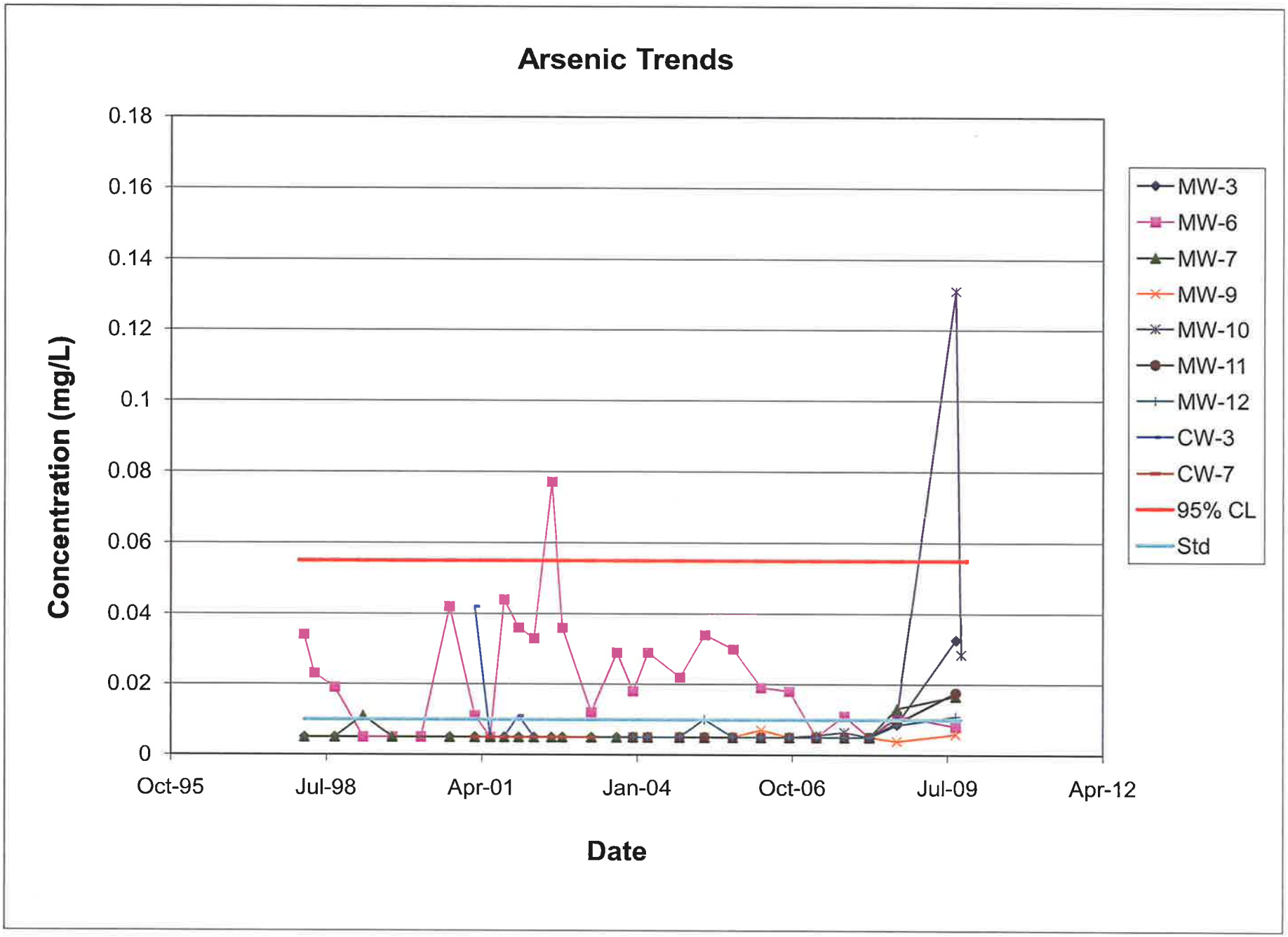
Lab Name Environmental Conservation Laboratories, Inc.

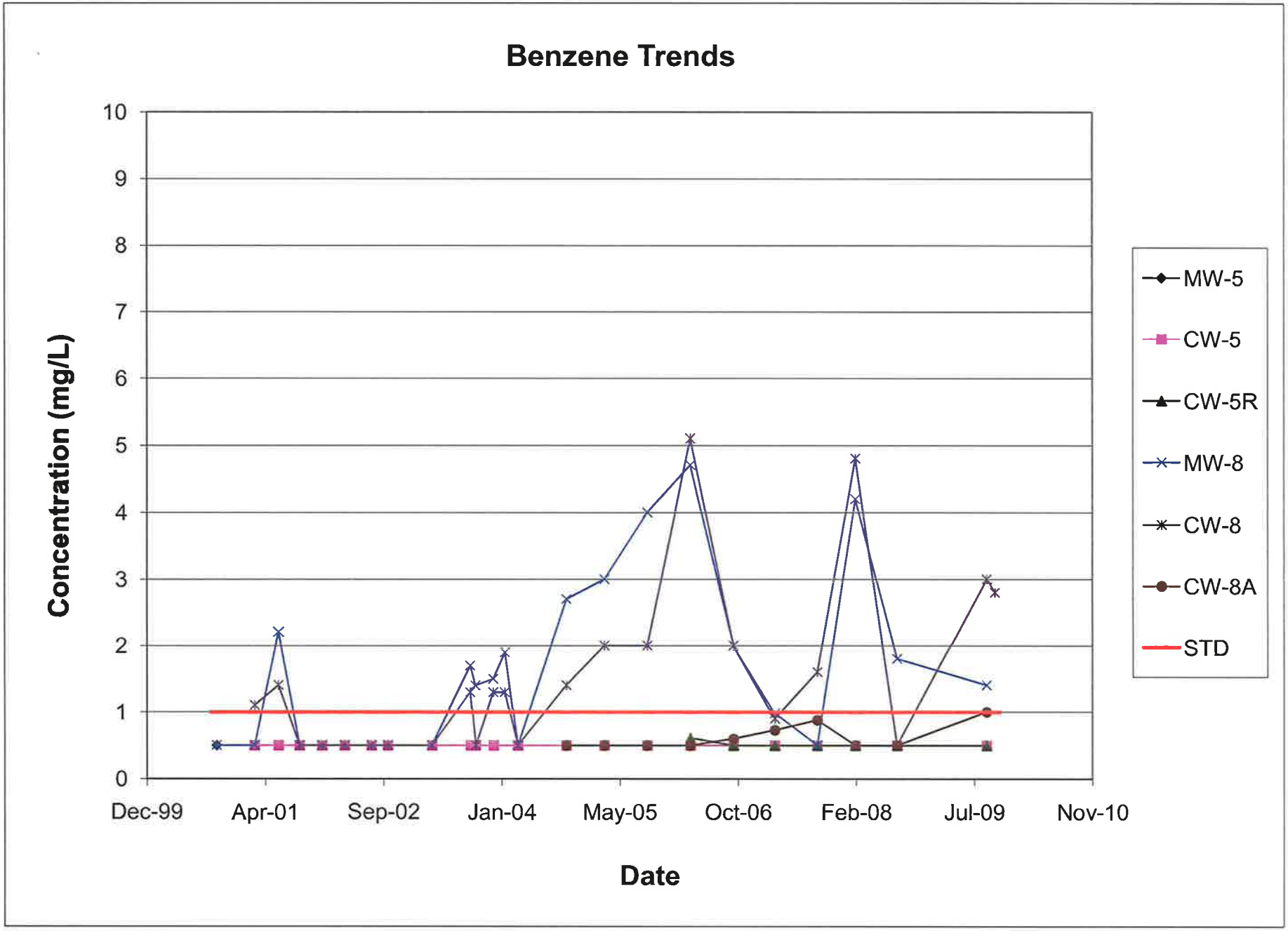
Address 4810 Executive Park Court, Suite 211, Jacksonville, Florida 32216

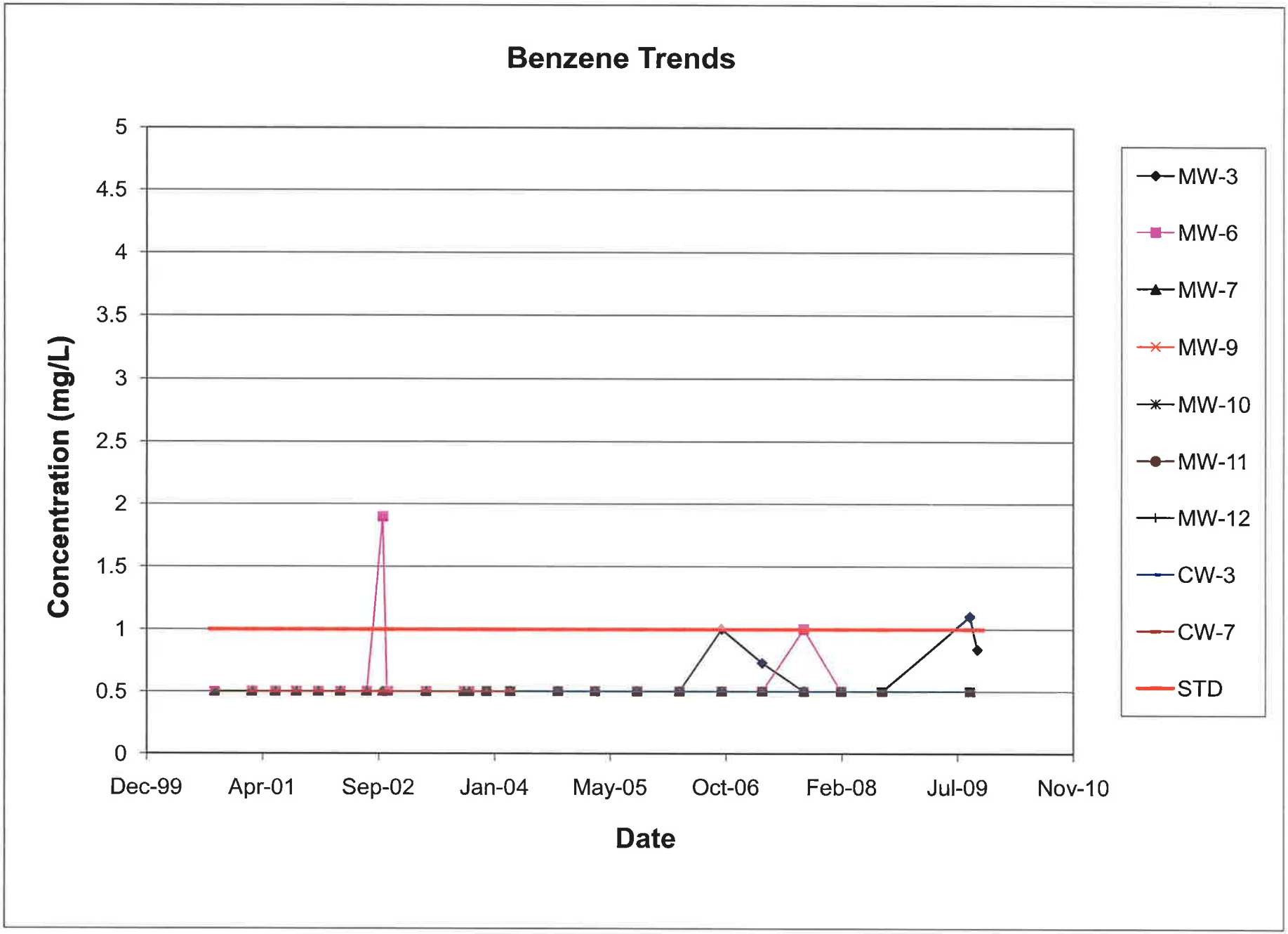
Phone Number (904) 296-3007

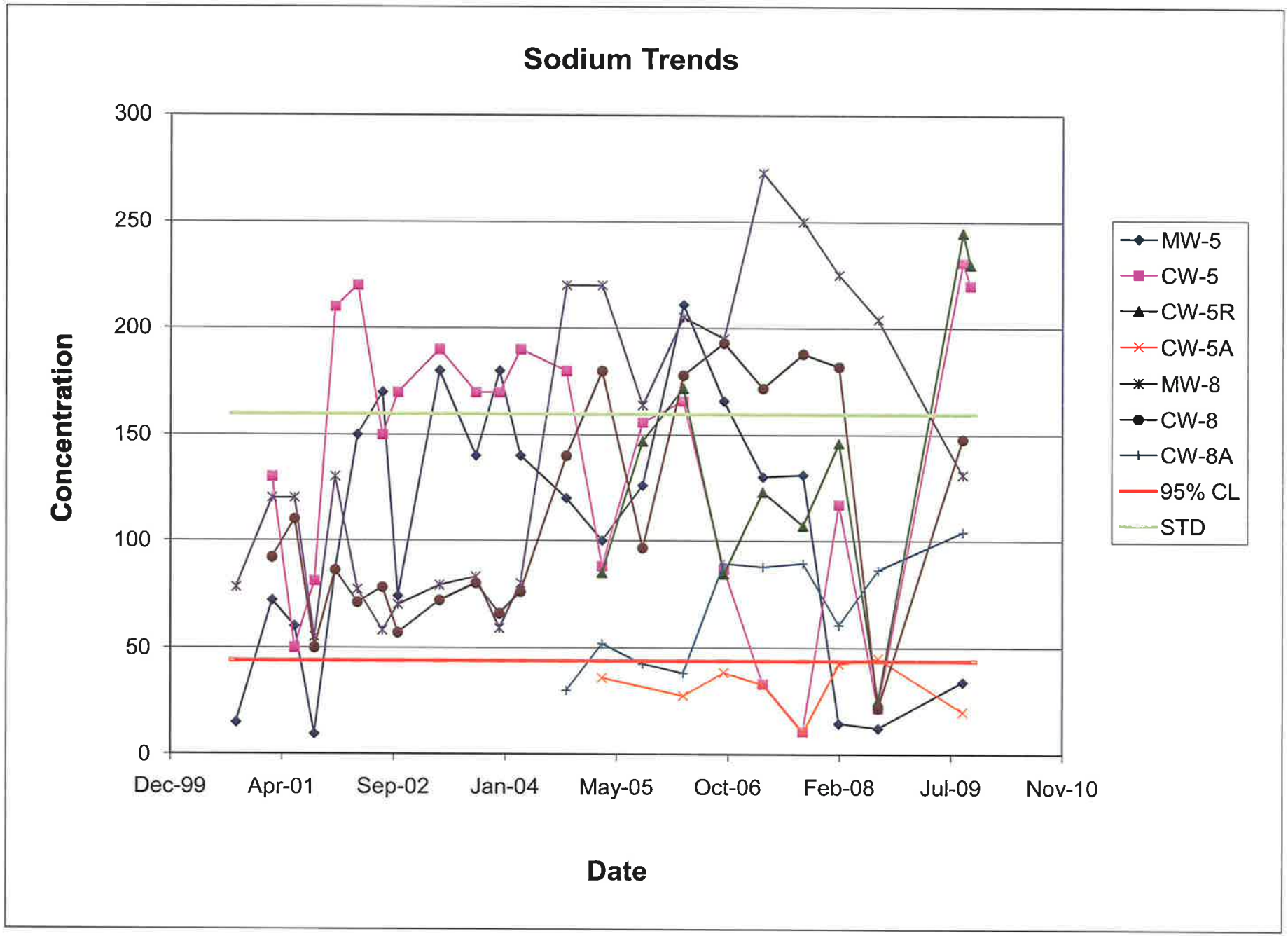
ATTACHMENT F
CONCENTRATION TRENDS

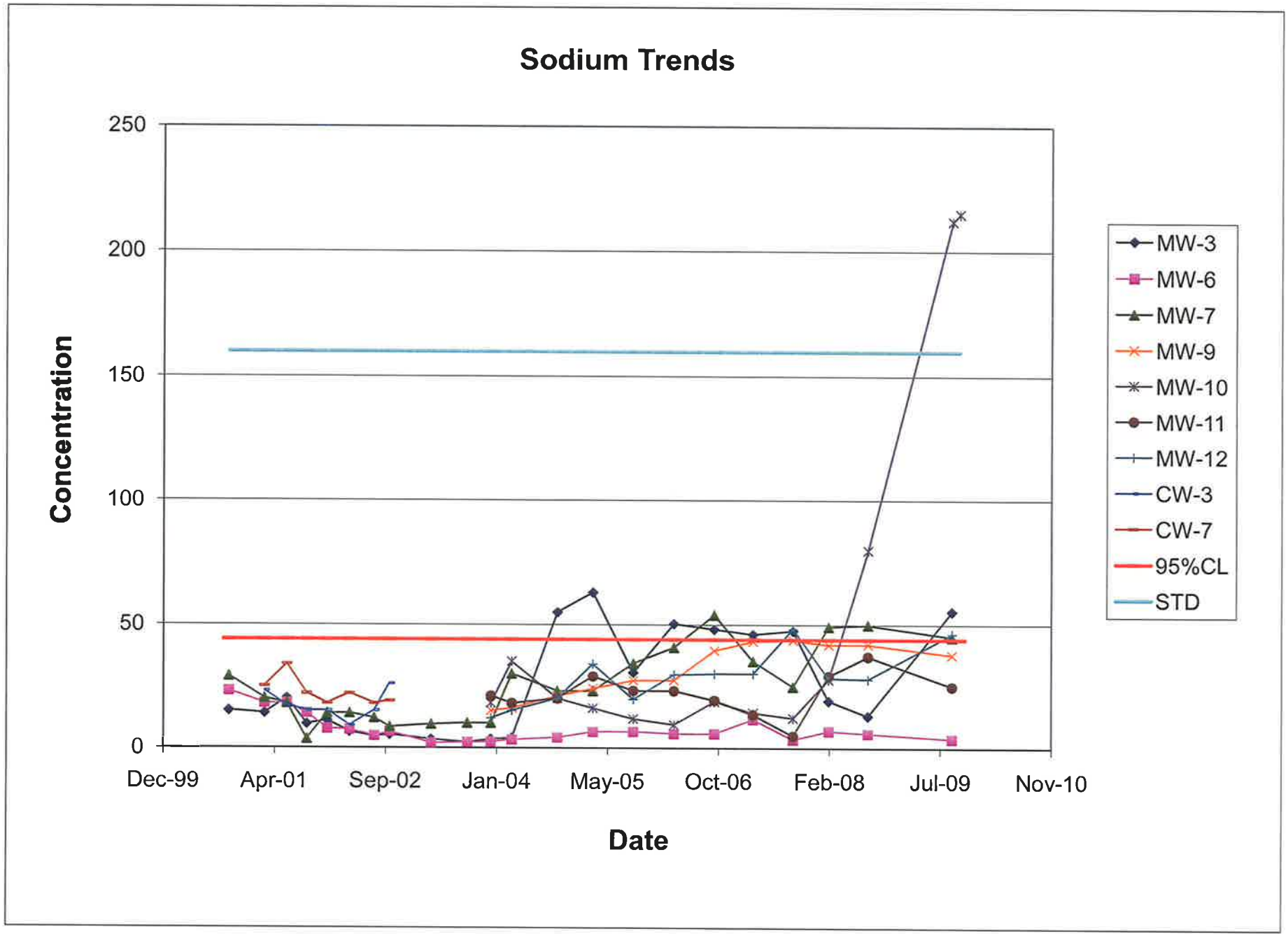

Arsenic Trends
Concentration (mg/L)
0.3
0.25
0.2
0.15
0.1
0.05
0
Jul-98
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
Nov-10
Date
MW-5
CW-5
CW-5R
MW-8
CW-8
CW-8A
95% CL
Std


Arsenic Trends
Concentration (mg/L)
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Oct-95
Jul-98
Apr-01
Jan-04
Oct-06
Jul-09
Apr-12
Date
MW-3
MW-6
MW-7
MW-9
MW-10
MW-11
MW-12
CW-3
CW-7
95% CL
Std


Benzene Trends
Concentration (mg/L)
10
9
8
7
6
5
4
3
2
1
0
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
Nov-10
Date
MW-5
CW-5
CW-5R
MW-8
CW-8
CW-8A
STD


Benzene Trends
Concentration (mg/L)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
Nov-10
Date
MW-3
MW-6
MW-7
MW-9
MW-10
MW-11
MW-12
CW-3
CW-7
STD


Sodium Trends
Concentration
300
250
200
150
100
50
0
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
Nov-10
Date
MW-5
CW-5
CW-5R
CW-5A
MW-8
CW-8
CW-8A
95% CL
STD


Sodium Trends
Concentration
250
200
150
100
50
0
Dec-99
Apr-01
Sep-02
Jan-04
May-05
Oct-06
Feb-08
Jul-09
Nov-10
Date
MW-3
MW-6
MW-7
MW-9
MW-10
MW-11
MW-12
CW-3
CW-7
95%CL
STD