PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

January 22, 2019 ***Submitted via Email***

Ms. Sheri Bianchin
Remedial Project Manager
USEPA Region V
77 W. Jackson Blvd.
Mail Code SR-6J
Chicago, IL 60604-3507

Re: 2018 Annual Groundwater Monitoring Report
Granville Solvents Inc. Site; Granville, Ohio
CERCLIS Site ID # OHD004495412

Dear Ms. Bianchin:

On behalf of the Granville Solvents Site Response Management Group, LLC (Group), Progressive Engineering & Construction Inc. (Progressive) is pleased to provide the attached 2018 Annual Groundwater Monitoring Report for the Granville Solvents Inc. Site (Site). The report provides a detailed summary of the work performed in 2018 and current Site conditions including sampling results, analysis of trends, and conclusions/recommendations. Please contact me at (813)930-0669 ext. 205 or bmorello@progressiveec.com if you have any questions.

Sincerely,
Progressive Engineering & Construction, Inc.

Bridget S. Morello

Bridget S. Morello, P.E.
Principal Engineer / Project Coordinator

cc:
Fred Myers, OEPA
Larry Fruth, VOG Water Department
Steve Pyles, VOG Manager

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2018 Annual Groundwater Monitoring Report

Granville Solvents Inc. Site
Granville, Ohio

Prepared for

Granville Solvents, Inc. Site Response Management Group, LLC

January 22, 2019

Prepared by

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1. INTRODUCTION

Progressive Engineering & Construction, Inc. (Progressive) prepared this 2018 Annual Groundwater Monitoring Report (Report) to summarize activities performed at the Granville Solvents Site (Site) in Granville, Licking County, Ohio (Figure 1). The Report was prepared on behalf of the Granville Solvents Site Response Management Group, LLC (Group) to document the 2018 work and current Site conditions.

This Report summarizes the following work at the Site during 2018 pursuant to the Groundwater Monitoring Plan (GWMP) as described in the Summary Report for Groundwater and Soil Sampling (Progressive, 2017a), the Quality Assurance Project Plan (QAPP) Addendum (Progressive, 2017b), and the Letter to the United States Environmental Protection Agency (USEPA) dated March 14, 2018 (Progressive, 2018a):

- Water level measurements at 28 monitoring wells, four Village of Granville (VOG) production wells, and three benchmarks along Raccoon Creek.

- Groundwater sampling per the GWMP at 28 monitoring wells and four VOG production wells during the annual sampling event (August 2018) and at 12 monitoring wells during the semi-annual sampling event (November 2018).

- Groundwater elevation study which included deploying 12 data loggers in select monitoring wells to determine how the VOG production wells affect groundwater at the Site.

- Finalized the Well Field Communication Plan (WFCP) (Progressive, 2018b), incorporating input from the Group, VOG, and the USEPA to identify, design, and assign responsibility for the management, operation, maintenance, inspection, performance evaluation, communication, reporting, and contingency measures for protection of the VOG well field.

1.1 Site Background

Groundwater performance monitoring is required at this Site under an Administrative Order on Consent (AOC) issued by the USEPA on September 7, 1994, until a Notice of Completion is issued. Performance monitoring was originally defined in the Proposal to Suspend Groundwater and Soil Treatment System Operation and Commence Post-Shutdown Groundwater Monitoring at the Granville Solvents Site, (Metcalf and Eddy, 2004) and was subsequently modified by the Post-Shutdown Contingency Plan (Contingency Plan) (Bill Brewer/Group Letter, 2005) dated January 31, 2005. USEPA is the lead regulatory agency for this Site and receives input/support from the Ohio EPA (OEPA).

The AOC required completion of certain Removal Actions at the Site as defined in Section V.2(e-g) of the AOC as follows:

1. Halt the migration of groundwater contamination (originating from the Site) toward the Village of Granville municipal wellfield.

2. Implement action which is necessary to ensure that any water contaminated with any contamination (originating from the Site) that enters the Village of Granville municipal wellfield drinking water supply meets all risk-based and all applicable federal and state drinking water standards.

3. Design, install, and operate a groundwater extraction and treatment system which shall halt the migration of groundwater contamination (originating from the Site) toward the Village of Granville municipal well field.

4. Treat the soils at the Site to levels which will ensure protection of human health and the environment.

The Group implemented the Removal Actions required by the AOC beginning in 1994. Site remedies included pump and treat (P&T), soil vapor extraction (SVE), and air sparging (AS). Active remediation ceased in 2005 following USEPA/OEPA approval. The Group has performed groundwater monitoring since shutdown, and developed a new closure strategy with input from all stakeholders in 2016-2017. The current groundwater sampling program (including frequency and location) is presented as Table 1.

1.2 Site Hydrogeology

The Conceptual Site Model (CSM) was updated by Progressive in the Summary Report for Groundwater and Soil Sampling (Progressive, 2017a). The updating of the CSM included a review of historical data/models, a review of the hydrogeologic setting, and stratigraphic evaluation of the geology of the Site and the surrounding vicinity. Historical geologic boring logs/descriptions were reviewed and the sequences of deposition were interpreted to create a conceptual model of the hydrogeology. Based on that evaluation:

- The Site stratigraphy is composed primarily of glacial till (compact gravelly clays deposited in ground moraines) and fluvial outwash (sand, gravel, and silts) deposits overlain by alluvium (dominated by silts).

- The glacial till deposits are consistent with deposition from west to east within the glacial valley, but the overlying alluvial sediments appear to have originated from the northeast as fan and fan-channel deposits that were transported southward during high flow runoff events.

- The shallow zone monitoring wells are screened within silty sands that represent the fan and fan-distributary channel deposits, whereas the deep monitoring wells are screened in the underlying glacial-fluvial outwash deposits. However, there are a significant number of intermediate depth wells that appear to be screened in either the uppermost part of the glacial outwash deposits or across both shallow and intermediate depth zones.

- All of the deep aquifer wells, and some of the intermediate depth wells, appear to show some degree of confined behavior likely due to the thick section of overlying fine-grained silts and clay. All aquifer zones flow westward in response to pumping of the VOG production wells. The shallow zone periodically shows some effects from recharge from Raccoon Creek when the elevation of the creek is higher than the water table in nearby monitoring wells.

2. SUMMARY OF WORK IN 2018

The following work was performed in accordance with the Summary Report for Groundwater and Soil Sampling (Progressive, 2017a), the QAPP Addendum (Progressive, 2017c) and the letter to the USEPA dated May 14, 2018 (Progressive, 2018a). The work performed in August 2018 was discussed in the Project Update Letter (Progressive, 2018c) dated October 8, 2018.

2.1 Well Field Communication Plan (WFCP)

The WFCP (Progressive, 2018b), finalized June 20, 2018, supersedes the Contingency Plan (Bill Brewer/Group, 2005), and better reflects current data trends and Site conditions, including decommissioning of former remedial equipment. It serves as the guideline for improved communication between all stakeholders to protect the VOG municipal water supply from Site impacts.

The WFCP outlines the triggers that would activate contingency measures and the types of measures that could be implemented to address the concern. The triggers focus on data from leading edge wells (MW-07D(I) and MW-08(S)), compliance wells (GSSMW-08(I) and GSSMW-09(I)), and VOG wells (PW-01(D), PW-02(D), PW-03A(D), and PW-04(D)).

The contingency measures generally include resampling specific wells at an increased monitoring frequency. If undesired monitoring results continue after contingency measures are implemented, the Group will evaluate other measures and make recommendations to the USEPA and OEPA. Such measures could include, but may not be limited to, additional groundwater monitoring, the installation of additional monitoring wells, or further remedial measures.

2.2 Groundwater Elevation Study

Groundwater elevation data logging was performed to assess the VOG's municipal production well effects on Site groundwater as the production shifted from PW-4(D) in June to PW-2(D) in July, and then to PW-3A(D) in August 2018. Loggers were deployed in 12 monitoring wells near the VOG well field on June 19, 2018: (GSSMW-08(I), GSSMW-09(I), GSSMW-10(I), GSSMW-12(D), GSSMW-14(D), GSSMW-15(I), GSS-P2(D), GSS-P3(D), MW-02D(I), MW-06(I), MW-07D(I), and MW-08(S)). A barometric pressure logger was placed in a centrally located well (MW-07D(I)) in order to compensate the data for changes in atmospheric pressure. Details and results of the groundwater elevation study were presented in the Project Update Letter sent to the USEPA (Progressive, 2018c) dated October 8, 2018.

2.3 Groundwater Monitoring

This section presents a summary of the groundwater monitoring activities performed in August and November 2018, per the GWMP. A site map showing monitoring locations is provided as Figure 2. Groundwater monitoring was performed in accordance with the Site QAPP, QAPP Addendum, as follows:

- In August, during the annual groundwater sampling event, 28 Site wells and four VOG production wells were sampled. In November, during the semi-annual groundwater sampling event, 12 Site wells were sampled, including the compliance wells and leading edge wells. All wells were sampled using approved sampling protocols described in the QAPP Addendum (Progressive, 2017b).

- Prior to collecting the August 2018 groundwater samples, a full round of water level gauging was performed. Measurements were made at all specified site wide locations. Groundwater levels were measured to the nearest 0.01 feet with respect to surveyed reference points marked on the riser casing of each well. The elevations of Raccoon Creek were measured from the surveyed locations along the creek. Water levels were obtained using an electrical water level tape in the wells and an optical level for the creek locations. The water table elevation data are presented in Table 2 and potentiometric surface maps are presented as Figures 3, 4, and 5.

- Groundwater well purging and sampling were conducted using low flow sampling techniques utilizing either a bladder pump or a peristaltic pump based on water levels in the wells. Sampling procedures are detailed in the QAPP Addendum (Progressive, 2017b). Sampling began once three sets of readings met the stabilization criteria. Well sampling logs and field parameter tabulation are presented in Appendix A.

- All non-dedicated sampling equipment was decontaminated prior to purging and sample collection at each well.

- The integrity of all wells was also checked and noted during each sampling event.

- Quality Assurance/Quality Control (QA/QC) samples were collected at a frequency of 10% and included field duplicates, field/equipment blanks, and a frequency of 5% for matrix spike/matrix spike duplicate (MS/MSD) samples; trip blanks were collected at a frequency of one per sample cooler.

- All groundwater samples were packaged in coolers with ice and transmitted under chain of custody to Southern Research Laboratories, Inc. for analysis of VOCs by USEPA Method 8260B. Laboratory Analytical Reports are presented in Appendix B.

3. RESULTS

Progressive's evaluation of 2018 monitoring data us outlined below.

3.1 Groundwater Elevation Study

Detailed results, well drawdown graphs, and groundwater elevation maps were presented in the Project Update Letter to the USEPA (Progressive, 2018c) dated October 8, 2018. Groundwater elevation data collectively indicate the following:

- The production wells draw Site groundwater to the west, towards the well field regardless of which production well is on-line, but the effect was more pronounced when PW-2(D) was on-line vs. PW-3(D) or PW-4(D).

- When PW-2(D) was on-line, water levels dropped between 2 and 3 feet in the wells being logged. The drawdown was around 2 feet in on site wells, increased to approximately 2.5 feet in wells west of GSSMW-15(I), and was approximately 3 feet in GSS-P3(D), the well closest to the VOG well field.

- Water levels in the wells rebounded somewhat after PW-2(D) was taken off-line and PW-3A(D) was turned on. The duration of data logging when just PW-3A(D) was online was short, but trends suggest full rebound would not occur during its month of operation (prior to PW-4 being reactivated).

3.2 Water Level Collection

Figures 3, 4, and 5 illustrate the potentiometric surface for the shallow, intermediate, and deep zones of the Site aquifer, respectively, based upon the August 6, 2018 site wide hydraulic monitoring event. Based on the hydraulic data collected, Progressive offers the following interpretations:

- Groundwater flow direction in the vicinity of the Site is west toward the VOG production wells for the shallow, intermediate, and deep aquifer zones. This is consistent with the new CSM documented in the Summary Report for Groundwater and Soil Sampling (Progressive, 2017a). During monitoring the VOG was pumping from PW-03A(D) as groundwater contouring clearly shows drawdown occurring at that well. This was confirmed through personal communication with Mr. Larry Fruth (L. Fruth email, 12/12/2018), the Superintendent of the VOG Water Department.

- During the August 2018 groundwater monitoring event, the Raccoon Creek water elevation was found to be approximately 1.2 ft higher than the groundwater elevation; this indicates that Raccoon Creek was contributing water to the shallow aquifer system. Raccoon Creek water level elevations are presented on Table 2. All contour maps included in this summary report were prepared using Surfer v.10 surface mapping software.

3.3 Groundwater Quality Results

Table 3 provides a summary of the groundwater analytical results for each well sampled in 2018. Figures 6 and 7 present the iso-concentration contours for the primary VOCs in Site groundwater, i.e., tetrachloroethene (PCE) and trichloroethene (TCE). Historical data are shown on Table 4 and concentration trend graphs for selected monitoring wells are presented as Figures 8 through 12. The full analytical reports for groundwater testing with QA/QC documentation are provided in Appendix B, and data validation reports are provided in Appendix C.

3.3.1 Compliance Wells

Compliance Wells GSSMW-08(I), and GSSMW-09(I) are located west of the Site beyond the intermediate well GSSMW-15(I). The two Compliance Wells are screened at approximately 28 to 38 ft bls and appear to either terminate at the base of the upper fan channel fill deposits or span across this unit into the uppermost part of the deeper glacial outwash unit. All Compliance Wells were non-detect for all VOCs in 2018; VOCs have been historically not detected in these wells.

3.3.2 Leading Edge Wells

Leading Edge wells MW-07D(I) and MW-08(S) downgradient of the source area are screened between 26 and 38 ft bls. In general, the 2018 sampling results for the Leading Edge Wells are consistent with the historical results with stable to no change in the concentrations of VOCs, specifically:

- VOCs have never been detected at Leading Edge Well MW-07D and were not detected during either 2018 sampling event.

- Daughter products (cis-1,2-DCE and trans-1,2-DCE) have been historically detected at MW-08(S) and were also detected during the 2018 sampling events. Cis-1,2-DCE remains stable with concentrations slightly elevated in 2018 (43 ug/L in August and 29 ug/L in November) compared to the December 2017 sampling event (20 ug/L). Trans-1,2-DCE has fluctuated between 3 and 9 ug/L for several years. The latest measurement was 4.1 ug/L in November 2018. The concentrations remain well below the MCLs of 70 ug/L for cis-1,2-DCE and 100 ug/L for trans-1,2-DCE.

3.3.3 Source Area and Off Site Wells

The 2018 groundwater sampling results for the other wells site wide are consistent with the historical trends with stable to no change in the concentrations of VOCs and show:

- MW-02(S), located in the source area, shows that PCE has remained stable and above the MCL at 82 ug/L, TCE has increased from 54 ug/L in 1991 to 240 ug/L in November 2018. Daughter products cis- and trans-1,2-DCE, and 1,1,1-TCA have all decreased over time and were below respective MCLs in November 2018.

- MW-02D(I), located in the source area, shows VOC levels of PCE at 140 ug/L and TCE at 410 ug/L during the November sampling event. VOC concentrations downgradient approximately 200 ft west at GSSMW-15(I) (intermediate well) show PCE at 9.1 ug/L and TCE at 51 ug/L during the November sampling event.

- MW-01(S), located in the source area, shows VOCs have been decreasing over time but PCE at 12 ug/L and TCE at 16 ug/L, in August 2018, remain above MCLs. 1,1,1-TCA was initially detected at 1,020 ug/L in 1991 has decreased to well below the MCL (100 ug/L) and was at 40 ug/L in August 2018.

- MW-P1(S), located in the source area, shows a historically slightly decreasing trend, but VOC levels have remained relatively stable since the shutdown of the remedy in March 2005.

- MW-06(I), located in the source area, shows TCE and 1,1,1-TCA have both been consistently detected and relatively stable since remedy shutdown, TCE was 19 ug/L and 1,1,1-TCA was 170 ug/L. Note the 1,1,1-TCA concentration level is below the MCL of 200 ug/L. PCE appeared in this well in May 2006 but remains below the MCL of 5 ug/L and was non-detect in August 2018.

- GSSMW-12(D), located in the source area, showed detections for the first time since 1997 and exceedances for the first time ever. TCE and PCE were above the MCL (5 ug/L) at 17 ug/L and 5.9 ug/L, respectively, during the August sampling event. During the November event, only PCE exceeded the MCL at 17 ug/L. Daughter products cis-1,2-DCE, trans-1,2-DCE, and 1,1,1-TCA were detected, but at low levels well below their MCLs. This well will continue to be monitored semi-annually in order to evaluate trends.

- GSSMW-15(I), located between the source area wells and the Leading Edge Wells; PCE and TCE have remained slightly above the MCL (5 ug/L) in this well. Historically, PCE was detected at 6.1 ug/L in September 2005 and most recently at 9.1 ug/L (November 2018). TCE similarly was historically detected at 25 ug/L (September 2005) and most recently detected at 51 ug/L (November 2018) in GSSMW-15(I). This well is screened between 24 and 34 ft bls primarily in the depositional fan channel deposits above the glacial outwash unit. It is at the same approximate depth as on site well MW-02D(I), and therefore is appropriately located to monitor the plume edge west of that monitoring well.

3.4 Data Validation

Validation was performed for field and laboratory data for each sampling event in 2018. Data validation reports are presented in Appendix C.

Field Data

The groundwater sampling logs presented in Appendix A were validated for accuracy and completeness in accordance with the GWMP and the QAPP Addendum; the results of that validation are summarized below:

- Water sampling logs are complete and accurate.
- The appropriate number of sample duplicates, equipment blanks and trip blanks were collected.
- The appropriate numbers of MS/MSD samples were collected.
- Samples were properly collected following stabilization of field measurements (where applicable) of pH, conductivity, dissolved oxygen and turbidity.

Laboratory Data

Groundwater quality analytical reports are provided in Appendix B. Each data package generated for samples collected on behalf of the Group was validated by Progressive to ensure that the laboratory performed sample handling, analyses, and reporting in accordance with applicable QA/QC criteria outlined in the QAPP, QAPP Addendum, and the GWMP. Progressive's data validation consisted of reviewing the laboratory data packages and narratives. The data validation reports presented in Appendix C describe the validation procedures and findings, including any deficiencies or deviations from the specified protocol, and indicate that 2018 data are usable for their intended purposes.

4. CONCLUSIONS/RECOMMENDATIONS

The 2018 monitoring data and historical trends suggest the following general conclusions:

- Compliance Wells (GSSMW-08(I) and GSSMW-09(I)) were non-detect for all VOCs in the August and November sampling events, and VOCs have historically not been detected in these wells.

- Leading Edge Well MW-07D(I) was non-detect for all VOCs in the August and November sampling events, and VOCs have historically not been detected in this well. Leading Edge Well MW-08(S) had detections of cis-1,2-DCE and trans-1,2-DCE during both the August and November sampling events, these results were below MCLs and consistent with historical results.

- Concentrations of VOCs in GSSMW-15(I), the downgradient well located between the Site and the Leading Edge Wells (MW-07D(I) and MW-08(S)), are above levels observed at system shutdown, but show a general leveling off with some slight fluctuation.

- Concentrations of VOCs at GSSMW-12(D) were detected for the first time since 1997 and for the first time above the MCLs. Concentrations exceeded the MCL for TCE and PCE in August 2018 and exceeded the MCL for TCE in November 2018. This well is proposed to be monitored semi-annually rather than annually to evaluate concentration trends (see Section 4.1 below).

- Concentrations within the Site/source area also remain stable. As illustrated on Figures 6 and 7, PCE and TCE remain at levels above MCLs in some wells.

- The contoured groundwater flow directions (Figures 3, 4, and 5), show Site groundwater flows westward under the influence of VOG production wells. Contamination has not reached the Leading Edge Wells at concentrations above MCLs and we expect that the natural effects of degradation, dilution, and advection will help prevent any such detections at or beyond the Leading-Edge Wells.

- Site inspections will occur during sampling events to ensure the security of the Site and include mowing, tree trimming, and fence/gate maintenance. During the annual groundwater sampling event all Site wells will be inspected to verify security and integrity.

4.1 Proposed Monitoring Plan Changes

Given that Site wells are showing a leveling off and somewhat stable trends, it is recommended that the GWMP be altered as shown on Table 5 to reflect the stability and include changing the schedule of monitoring of some wells from annually to biennially. This change is proposed for wells that are outside of the groundwater plume and have

had little to no VOC detections during the sampling history. Wells to be sampled in biennially would be sampled in 2020. In addition, monitoring well GSSMW-12(D) will be changed from being sampled annually to semi-annually in order to evaluate concentration trends in response to recent VOC detections. The proposed changes and brief notes on the history of detections are presented in Table 5. No changes are proposed for the water level monitoring plan.

5. REFERENCES

Bill Brewer/Group letter to USEPA dated January 31, 2005, Post-Shutdown Contingency Plan.

Metcalf & Eddy Inc., 2004. A Proposal to Suspend Groundwater and Soil Treatment System Operation and Commence Post-Shutdown Groundwater Monitoring at the Granville Solvents Site, Granville, Ohio (dated August 2004).

Progressive Engineering & Construction, Inc. (Progressive), 2017a. Summary Report for Groundwater and Soil Sampling, Granville Solvents, Inc. Site, Granville, Ohio (dated January 9, 2017).

Progressive Engineering & Construction, Inc. (Progressive), 2017b. Quality Assurance Project Plan Addendum, Granville Solvents, Inc. Site, Granville, Ohio (dated November 2017).

Progressive Engineering & Construction, Inc. (Progressive), 2018a. Letter to the USEPA (May 14, 2018).

Progressive Engineering & Construction, Inc. (Progressive), 2018b. Well Field Communication Plan, Village of Granville Municipal Water Supply, Granville, Ohio, (dated June 20, 2018).

Progressive Engineering & Construction, Inc. (Progressive), 2018c. Project Update Letter to USEPA (dated October 8, 2018).

TABLES

Table 1. Groundwater Monitoring Plan (GWMP)
Granville Solvents, Inc. Site; Granville, Ohio

		Monitoring Plan - 2018	
Monitoring Location	**General Depth, and Screen Interval (ft bTOC)**	**Hydraulic / Water Levels**	**Groundwater Quality**
MW-01(S)	Shallow, 25.5-35.5	Annual	Annual
MW-02(S)	Shallow, 13.5-23.5	Annual	Semi-Annual
MW-02D(I)	Intermediate, 23-33	Annual	Semi-Annual
MW-03(S)	Shallow, 7.5-17.5	Annual	Annual
MW-04DR(S)	Shallow, 13-23	Annual	Semi-Annual
MW-04D2(I)	Intermediate, 35-45	Annual	Semi-Annual
MW-05(S)	Shallow, 18-28	Annual	Annual
MW-06(I)	Intermediate, 38-48	Annual	Annual
MW-06D(D)	Deep, 54.5-64.5	Annual	Annual
MW-07(S)	Shallow, 15-25	Annual	Annual
MW-07D(I)	Intermediate, 26.5-36.5	Annual	Semi-Annual
MW-08(S)	Shallow, 29-39	Annual	Semi-Annual
MW-08D(I)	Intermediate, 43-53	Annual	Annual
MW-P1(S)	Shallow, 21-31	Annual	Annual
GSSMW-02(S)	Shallow, 17.2-27.7	Annual	Annual
GSSMW-04(I)	Intermediate, 38-48	Annual	Annual
GSSMW-05(I)	Intermediate, 68.7-78.7	Annual	Annual
GSSMW-08(I)	Intermediate, 28-38	Annual	Semi-Annual
GSSMW-09(I)	Intermediate, 27-37	Annual	Semi-Annual
GSSMW-10(I)	Intermediate, 27-37	Annual	Annual
GSSMW-12(D)	Deep, 77-97	Annual	Annual
GSSMW-13(D)	Deep, 73.5-93.5	Annual	Annual
GSSMW-14(D)	Deep, 84-94	Annual	Annual
GSSMW-15(I)	Intermediate, 24-34	Annual	Semi-Annual
GSS-P2(D)	Deep, 41.5-61.5	Annual	Annual
GSS-P3(D)	Deep, 55-65	Annual	Annual
MW-16(S)	Shallow, 20-30	Annual	Semi-Annual
MW-17(I)	Intermediate, 38-48	Annual	Semi-Annual
PW-01(D)	Deep, 75-95	Annual	Annual
PW-02(D)	Deep, 67-93	Annual	Annual
PW-03A(D)	Deep, 46-61 and 71-91	Annual	Annual
PW-04(D)	Deep, 65-92	Annual	Annual
BM-1	Creek Level	Annual	
BM-2	Creek Level	Annual	
BM-3	Creek Level	Annual	

ft bTOC - feet below top of casing
Semi-Annual = June/July and Dec; Annual = June/July
The adequacy of the monitoring plan will be evaluated on an annual basis, and any changes to locations/frequency will be recommended in the Annual Report.
Note: monitoring events were moved to August/November 2018 and additional hydraulic study was perfomed between June and August 2018

Compliance Well
Leading-Edge Well

Table 2. Groundwater Elevations
Granville Solvents Site; Granville, Ohio

Well ID, General Depth, and Screen Interval (ft bTOC) [1]		Ground Surface Elevation (ft AMSL)[2]	Screen Interval (ft AMSL)[2]	Date	Top Of Casing Elevation (ft AMSL) [2]	Depth to Water (ft bTOC)	Potentiometric Surface Elevation (ft AMSL)
MW-01(S)	**Shallow, 25.5-35.5**	**928.3**	**902.8 - 892.8**				
				13-May-11	930.21	28.57	901.64
				2-Nov-11		31.17	899.04
				29-May-12		30.10	900.11
				12-Nov-12		33.04	897.17
				13-Jun-13		31.33	898.88
				4-Dec-13		31.70	898.51
				1-Dec-15		32.67	897.54
				26-Sep-16	930.43	33.00	897.43
				17-Jul-17		30.71	899.72
				18-Jun-18		30.52	899.91
				6-Aug-18		32.05	898.38
MW-02(S)	**Shallow, 18-28**	**921.1**	**907.6 - 897.6**				
				13-May-11	923.68	22.05	901.63
				2-Nov-11		24.68	899.00
				29-May-12		23.63	900.05
				12-Nov-12		26.56	897.12
				13-Jun-13		24.88	898.80
				4-Dec-13		25.21	898.47
				1-Dec-15		26.12	897.56
				26-Sep-16	923.96	26.51	897.45
				17-Jul-17		24.25	899.71
				18-Jun-18		24.02	899.94
				6-Aug-18		25.61	898.35
MW-02D(I)	**Intermediate, 23-33**	**922.1**	**899.1 - 889.1**				
				13-May-11	924.20	22.52	901.68
				2-Nov-11		25.13	899.07
				29-May-12		24.05	900.15
				12-Nov-12		26.99	897.21
				13-Jun-13		25.31	898.89
				4-Dec-13		25.64	898.56
				1-Dec-15		26.55	897.65
				26-Sep-16	924.39	26.98	897.41
				17-Jul-17		24.68	899.71
				18-Jun-18		24.50	899.89
				6-Aug-18		26.05	898.34
MW-03(S)	**Shallow, 7.5-17.5**	**915.7**	**908.2 - 898.2**				
				13-May-11	917.27	6.15	911.12
				2-Nov-11		5.40	911.87
				29-May-12		8.85	908.42
				12-Nov-12		8.26	909.01
				13-Jun-13		4.27	913.00
				4-Dec-13		7.46	909.81
				1-Dec-15		7.26	910.01
				26-Sep-16	917.49	9.10	908.39
				17-Jul-17		6.02	911.47
				18-Jun-18		7.13	910.36
				6-Aug-18		9.51	907.98
MW-04D(S)	**Shallow, 20-30**	**917.1**	**897.1 - 887.1**				
				13-May-11	920.75	18.96	901.79
				2-Nov-11		21.54	899.21
				29-May-12		20.48	900.27
				12-Nov-12		23.40	897.35
				13-Jun-13		21.70	899.05
				4-Dec-13		22.05	898.70
				1-Dec-15		Obstruction at 4.3ft.	
				26-Sep-16	920.87	Obstruction at 4.3ft.	
				Well Abandoned and Replaced July 2017			
MW-04DR	**Shallow, 18-28**	**918.1**	**900.1 - 890.1**				
				18-Jun-18	920.23	20.00	900.23
				6-Aug-18		21.60	898.63

Table 2. Groundwater Elevations
Granville Solvents Site; Granville, Ohio

Well ID, General Depth, and Screen Interval (ft bTOC) [1]		Ground Surface Elevation (ft AMSL)[2]	Screen Interval (ft AMSL)[2]	Date	Top Of Casing Elevation (ft AMSL) [2]	Depth to Water (ft bTOC)	Potentiometric Surface Elevation (ft AMSL)
MW-04D2(I)	**Intermediate, 35-45**	**917.5**	**882.5 - 872.5**				
				13-May-11	921.14	19.35	901.79
				2-Nov-11		21.92	899.22
				29-May-12		20.87	900.27
				12-Nov-12		23.87	897.27
				13-Jun-13		22.10	899.04
				4-Dec-13		22.44	898.70
				1-Dec-15		23.40	897.74
				26-Sep-16	921.22	23.75	897.47
				17-Jul-17		20.51	900.71
				18-Jun-18		21.30	899.92
				6-Aug-18		22.89	898.33
MW-05(S)	**Shallow, 18-28**	**919.7**	**901.7 - 891.7**				
				13-May-11	921.79	19.72	902.07
				2-Nov-11		22.28	899.51
				29-May-12		21.24	900.55
				12-Nov-12		24.16	897.63
				13-Jun-13		22.42	899.37
				4-Dec-13		22.81	898.98
				1-Dec-15		23.74	898.05
				26-Sep-16	921.58	24.10	897.48
				17-Jul-17		22.17	899.41
				18-Jun-18		21.78	899.80
				6-Aug-18		23.16	898.42
MW-06(I)	**Intermediate, 38-48**	**934.5**	**896.5 - 886.5**				
				13-May-11	936.06	34.23	901.83
				2-Nov-11		36.86	899.20
				29-May-12		35.79	900.27
				12-Nov-12		38.73	897.33
				13-Jun-13		37.04	899.02
				4-Dec-13		37.40	898.66
				1-Dec-15		38.29	897.77
				26-Sep-16	936.13	38.71	897.42
				17-Jul-17		36.40	899.73
				18-Jun-18		36.19	899.94
				6-Aug-18		37.78	898.35
MW-06D(D)	**Deep, 54.5-64.5**	**933.9**	**879.4 - 869.4**				
				13-May-11	936.43	34.37	902.06
				2-Nov-11		37.03	899.40
				29-May-12		35.97	900.46
				12-Nov-12		38.91	897.52
				13-Jun-13		37.24	899.19
				4-Dec-13		37.59	898.84
				1-Dec-15		38.49	897.94
				26-Sep-16	936.31	38.90	897.41
				17-Jul-17		36.56	899.75
				18-Jun-18		36.41	899.90
				6-Aug-18		37.96	898.35
MW-07(S)	**Shallow, 15-25**	**916.7**	**901.7 - 891.7**				
				13-May-11	917.90	16.22	901.68
				2-Nov-11		18.78	899.12
				29-May-12		17.74	900.16
				12-Nov-12		20.60	897.30
				13-Jun-13		19.07	898.83
				4-Dec-13		19.27	898.63
				1-Dec-15		20.17	897.73
				26-Sep-16	918.00	20.62	897.38
				17-Jul-17		18.30	899.70
				18-Jun-18		18.18	899.82
				6-Aug-18		19.77	898.23

Table 2. Groundwater Elevations
Granville Solvents Site; Granville, Ohio

Well ID, General Depth, and Screen Interval (ft bTOC) [1]		Ground Surface Elevation (ft AMSL)[2]	Screen Interval (ft AMSL)[2]	Date	Top Of Casing Elevation (ft AMSL) [2]	Depth to Water (ft bTOC)	Potentiometric Surface Elevation (ft AMSL)
MW-07D(I)	**Intermediate, 26.5-36.5**	**917.0**	**890.5 - 880.5**				
				13-May-11	917.96	16.15	901.81
				2-Nov-11		18.89	899.07
				29-May-12		17.73	900.23
				12-Nov-12		20.73	897.23
				13-Jun-13		19.14	898.82
				4-Dec-13		19.39	898.57
				1-Dec-15		20.31	897.65
				26-Sep-16	918.09	20.81	897.28
				17-Jul-17		18.45	899.64
				18-Jun-18		18.26	899.83
				6-Aug-18		19.86	898.23
MW-08(S)	**Shallow, 29-39**	**928.5**	**899.5 - 889.5**				
				13-May-11	928.12	26.03	902.09
				2-Nov-11		29.05	899.07
				29-May-12		27.89	900.23
				12-Nov-12		30.91	897.21
				13-Jun-13		29.35	898.77
				4-Dec-13		29.57	898.55
				1-Dec-15		30.43	897.69
				26-Sep-16	928.23	30.94	897.29
				17-Jul-17		28.56	899.67
				18-Jun-18		28.38	899.85
				6-Aug-18		30.05	898.18
MW-08D(I)	**Intermediate, 43-53**	**928.1**	**885.1 - 875.1**				
				13-May-11	927.84	26.01	901.83
				2-Nov-11		28.83	899.01
				29-May-12		27.85	899.99
				12-Nov-12		30.69	897.15
				13-Jun-13		29.15	898.69
				4-Dec-13		29.39	898.45
				1-Dec-15		30.22	897.62
				26-Sep-16	928.02	30.78	897.24
				17-Jul-17		28.40	899.62
				18-Jun-18		28.17	899.85
				6-Aug-18		29.87	898.15
MW-16(S)	**Shallow, 20 - 30**	**917.2**	**897.2 - 887.2**				
				18-Jun-18	916.79	16.99	899.80
				6-Aug-18		18.49	898.30
MW-17(I)	**Intermediate, 38 - 48**	**916.9**	**878.9 - 868.9**				
				18-Jun-18	916.66	17.84	898.82
				6-Aug-18		18.46	898.20
MW-P1(S)	**Shallow, 21-31**	**922.6**	**901.6 - 891.6**				
				13-May-11	924.00	22.15	901.85
				2-Nov-11		24.71	899.29
				29-May-12		23.65	900.35
				12-Nov-12		26.60	897.40
				13-Jun-13		24.88	899.12
				4-Dec-13		25.23	898.77
				1-Dec-15		26.15	897.85
				26-Sep-16	924.01	26.54	897.47
				17-Jul-17		24.25	899.76
				18-Jun-18		24.04	899.97
				6-Aug-18		25.62	898.39

Table 2. Groundwater Elevations
Granville Solvents Site; Granville, Ohio

Well ID, General Depth, and Screen Interval (ft bTOC) [1]		Ground Surface Elevation (ft AMSL)[2]	Screen Interval (ft AMSL)[2]	Date	Top Of Casing Elevation (ft AMSL) [2]	Depth to Water (ft bTOC)	Potentiometric Surface Elevation (ft AMSL)
GSSMW-02(S)	**Shallow, 17.2-27.7**	**911.4**	**894.2 - 884.2**				
				13-May-11	910.75	8.80	901.95
				2-Nov-11		11.67	899.08
				29-May-12		10.45	900.30
				12-Nov-12		13.44	897.31
				13-Jun-13		11.97	898.78
				4-Dec-13		12.11	898.64
				1-Dec-15		12.98	897.77
				26-Sep-16	910.77	13.50	897.27
				17-Jul-17		11.14	899.63
				18-Jun-18		10.94	899.83
				6-Aug-18		12.63	898.14
GSSMW-04(I)	**Intermediate, 38-48**	**923.2**	**885.2 - 875.2**				
				13-May-11	924.68	22.89	901.79
				2-Nov-11		25.55	899.13
				29-May-12		24.43	900.25
				12-Nov-12		27.36	897.32
				13-Jun-13		25.56	899.12
				4-Dec-13		26.01	898.67
				1-Dec-15		26.94	897.74
				26-Sep-16	924.83	27.23	897.60
				17-Jul-17		25.06	899.77
				18-Jun-18		24.78	900.05
				6-Aug-18		26.29	898.54
GSSMW-05(I)	**Intermediate, 68.7-78.7**	**960.0**	**891.3 - 881.3**				
				13-May-11	959.16	57.36	901.80
				2-Nov-11		60.07	899.09
				29-May-12		58.96	900.20
				12-Nov-12		61.95	897.21
				13-Jun-13		60.24	898.92
				4-Dec-13		60.60	898.56
				1-Dec-15		61.51	897.65
				26-Sep-16	959.32	61.92	897.40
				17-Jul-17		59.62	899.70
				18-Jun-18		59.36	899.96
				6-Aug-18		60.97	898.35
GSSMW-08(I)	**Intermediate, 28-38**	**917.6**	**889.6 - 879.6**				
				13-May-11	917.01	14.75	902.26
				2-Nov-11		17.94	899.07
				29-May-12		16.56	900.45
				12-Nov-12		19.73	897.28
				13-Jun-13		18.38	898.63
				4-Dec-13		18.39	898.62
				1-Dec-15		19.27	897.74
				26-Sep-16	916.98	19.80	897.18
				17-Jul-17		17.46	899.52
				18-Jun-18		17.16	899.82
				6-Aug-18		18.91	898.07
GSSMW-09(I)	**Intermediate, 27-37**	**917.1**	**890.1 - 880.1**				
				13-May-11	916.17	14.05	902.12
				2-Nov-11		17.20	898.97
				29-May-12		15.88	900.29
				12-Nov-12		19.13	897.04
				13-Jun-13		17.78	898.39
				4-Dec-13		17.80	898.37
				1-Dec-15		18.66	897.51
				26-Sep-16	916.89	19.68	897.21
				17-Jul-17		17.34	899.55
				18-Jun-18		17.10	899.79
				6-Aug-18		18.87	898.02

Table 2. Groundwater Elevations
Granville Solvents Site; Granville, Ohio

Well ID, General Depth, and Screen Interval (ft bTOC) [1]		Ground Surface Elevation (ft AMSL)[2]	Screen Interval (ft AMSL)[2]	Date	Top Of Casing Elevation (ft AMSL) [2]	Depth to Water (ft bTOC)	Potentiometric Surface Elevation (ft AMSL)
GSSMW-10(I)	**Intermediate, 27-37**	**917.3**	**890.3 - 880.3**				
				13-May-11	916.65	14.29	902.36
				2-Nov-11		17.65	899.00
				29-May-12		16.16	900.49
				12-Nov-12		19.35	897.30
				13-Jun-13		18.07	898.58
				4-Dec-13		18.04	898.61
				1-Dec-15		18.86	897.79
				26-Sep-16	916.61	20.42	896.19
				17-Jul-17		17.08	899.53
				18-Jun-18		16.75	899.86
				6-Aug-18		18.56	898.05
GSSMW-12(D)	**Deep, 77-97**	**920.5**	**843.5 - 823.5**				
				13-May-11	923.36	21.52	901.84
				2-Nov-11		24.16	899.20
				29-May-12		23.06	900.30
				12-Nov-12		26.04	897.32
				13-Jun-13		24.32	899.04
				4-Dec-13		24.67	898.69
				1-Dec-15		25.58	897.78
				26-Sep-16	923.38	25.99	897.39
				17-Jul-17		23.69	899.69
				18-Jun-18		23.29	900.09
				6-Aug-18		25.05	898.33
GSSMW-13(D)	**Deep, 73.5-93.5**	**917.0**	**843.5 - 823.5**				
				13-May-11	920.40	18.59	901.81
				2-Nov-11		21.18	899.22
				29-May-12		20.10	900.30
				12-Nov-12		23.02	897.38
				13-Jun-13		21.31	899.09
				4-Dec-13		21.66	898.74
				1-Dec-15		22.60	897.80
				26-Sep-16	920.45	22.99	897.46
				17-Jul-17		20.72	899.73
				18-Jun-18		20.50	899.95
				6-Aug-18		22.10	898.35
GSSMW-14(D)	**Deep, 84-94**	**907.2**	**823.2 - 813.2**				
				13-May-11	906.82	4.45	902.37
				2-Nov-11		7.75	899.07
				29-May-12		6.48	900.34
				12-Nov-12		9.76	897.06
				13-Jun-13		8.02	898.80
				4-Dec-13		8.32	898.50
				1-Dec-15		9.29	897.53
				26-Sep-16	906.83	9.70	897.13
				17-Jul-17		7.37	899.46
				18-Jun-18		7.05	899.78
				6-Aug-18		8.84	897.99
GSSMW-15(I)	**Intermediate, 24-34**	**920.4**	**869.4 - 886.4**				
				13-May-11	919.94	18.07	901.87
				2-Nov-11		20.75	899.19
				29-May-12		19.64	900.30
				12-Nov-12		22.61	897.33
				13-Jun-13		20.97	898.97
				4-Dec-13		21.25	898.69
				1-Dec-15		22.18	897.76
				26-Sep-16	920.00	22.61	897.39
				17-Jul-17		20.28	899.72
				18-Jun-18		20.11	899.89
				6-Aug-18		21.69	898.31

Table 2. Groundwater Elevations
Granville Solvents Site; Granville, Ohio

Well ID, General Depth, and Screen Interval (ft bTOC) [1]		Ground Surface Elevation (ft AMSL)[2]	Screen Interval (ft AMSL)[2]	Date	Top Of Casing Elevation (ft AMSL) [2]	Depth to Water (ft bTOC)	Potentiometric Surface Elevation (ft AMSL)
GSSEW-01(D) (EW-01)	**Deep, 38-78**	**918.1**	**880.1 - 840.1**				
				13-May-11	915.56	13.40	902.16
				2-Nov-11		16.35	899.21
				29-May-12		15.11	900.45
				12-Nov-12		18.18	897.38
				13-Jun-13		16.68	898.88
				4-Dec-13		16.82	898.74
				1-Dec-15		17.70	897.86
				26-Sep-16	915.48	18.20	897.28
				Abandoned July 2017			
GSSEW-02(D) (EW-02)	**Deep, 34.5-89.5**	**917.0**	**882.5 - 827.5**				
				13-May-11	915.38	13.80	901.58
				2-Nov-11		16.40	898.98
				29-May-12		15.55	899.83
				12-Nov-12		18.27	897.11
				13-Jun-13		16.55	898.83
				4-Dec-13		16.92	898.46
				1-Dec-15		17.86	897.52
				26-Sep-16	915.35	18.20	897.15
				Abandoned July 2017			
GSS-P2(D)	**Deep, 41.5-61.5**	**913.4**	**871.9 - 851.9**				
				13-May-11	913.58	11.51	902.07
				2-Nov-11		14.45	899.13
				29-May-12		13.22	900.36
				12-Nov-12		16.26	897.32
				13-Jun-13		14.81	898.77
				4-Dec-13		14.94	898.64
				1-Dec-15		15.82	897.76
				26-Sep-16	913.57	16.32	897.25
				17-Jul-17		13.98	899.59
				18-Jun-18		13.75	899.82
				6-Aug-18		15.46	898.11
GSS-P3(D)	**Deep, 55-65**	**906.0**	**851.0 - 841.0**				
				13-May-11	905.71	3.42	902.29
				2-Nov-11		6.84	898.87
				29-May-12		5.22	900.49
				12-Nov-12		8.55	897.16
				13-Jun-13		7.35	898.36
				4-Dec-13		7.25	898.46
				1-Dec-15		8.09	897.62
				26-Sep-16	905.80	8.65	897.15
				17-Jul-17		6.31	899.49
				18-Jun-18		5.97	899.83
				6-Aug-18		7.81	897.99
PW-01(D)	**Deep, 75-95**	**907.2**	**832.2 - 812.2**				
				13-May-11	909.06	6.77	902.29
				28-Oct-11		8.33	900.73
				29-May-12		8.49	900.57
				12-Nov-12		11.75	897.31
				13-Jun-13		10.59	898.47
				4-Dec-13		10.43	898.63
				1-Dec-15		11.26	897.80
				26-Sep-16	909.18	12.02	897.16
				17-Jul-17		9.71	899.47
				18-Jun-18		9.15	900.03
				6-Aug-18		11.00	898.18

Table 2. Groundwater Elevations
Granville Solvents Site; Granville, Ohio

Well ID, General Depth, and Screen Interval (ft bTOC) [1]		Ground Surface Elevation (ft AMSL)[2]	Screen Interval (ft AMSL)[2]	Date	Top Of Casing Elevation (ft AMSL) [2]	Depth to Water (ft bTOC)	Potentiometric Surface Elevation (ft AMSL)
PW-02(D)	**Deep, 67-93**	**907.9**	**840.9 - 814.9**				
				13-May-11	908.95	7.88	901.07
				28-Oct-11		9.17	899.78
				29-May-12		NC	NC
				12-Nov-12		13.50	895.45
				13-Jun-13		28.85	880.10
				4-Dec-13		12.13	896.82
				1-Dec-15		12.70	896.25
				26-Sep-16	910.59	13.52	897.07
				17-Jul-17		11.58	899.01
				18-Jun-18		10.76	899.83
				6-Aug-18		12.92	897.67
PW-03A(D)	**Deep, 46-61 and 71-91**	**908.6**	**862.6-847.6 and 837.6 - 817.6**				
				13-May-11	910.27	8.46	901.81
				28-Oct-11		10.17	900.10
				29-May-12		10.63	899.64
				12-Nov-12		14.54	895.73
				13-Jun-13		10.28	899.99
				4-Dec-13		23.72	886.55
				1-Dec-15		13.84	896.43
				26-Sep-16	910.58	15.10	895.48
				17-Jul-17		22.94	887.64
				18-Jun-18		11.62	898.96
				6-Aug-18		24.72	885.86
PW-04(D)	**Deep, 65-92**	**909.4**	**844.4 - 817.4**				
				13-May-11	910.59	34.81	875.78
				28-Oct-11		10.50	900.09
				29-May-12		44.89	865.70
				12-Nov-12		16.49	894.10
				13-Jun-13		9.33	901.26
				4-Dec-13		12.21	898.38
				1-Dec-15		41.55	869.04
				26-Sep-16	910.98	10.60	900.38
				17-Jul-17		11.29	899.69
				18-Jun-18		14.10	896.88
				6-Aug-18		12.65	898.33
BM-1	**Creek Level**			26-Sep-16	907.78		899.36
				17-Jul-17			899.61
				6-Aug-18			899.43
BM-2	**Creek Level**			26-Sep-16	913.26		899.33
				17-Jul-17			899.88
				6-Aug-18			899.35
BM-3	**Creek Level**			26-Sep-16	907.77		899.23
				17-Jul-17			899.94
				6-Aug-18			899.15

ft bTOC - feet below top of casing
ft amsl - feet above mean sea level
NC - PW-02 guide pipe for gauging too narrow for WL probe.
(S),(I), (D) - Screen Interval is Shallow, Intermediate, or Deep

Top of casing elevations for all wells and benchmarks for Racoon Creek locations surveyed on 8/19/2016 by Smart Services, Inc.

Table 3. Groundwater Sampling Results - August/November 2018
Granville Solvents Site; Granville, Ohio

Sample Location	Well Location Relative to Site	Screen Interval (ft bTOC)	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs (µg/L)				**5**	**5**	**70**	**100**	**200**
MW-01(S)	On Site	25.5 - 35.5	8-Aug-18	12	16	0.2 U	0.2 U	40
MW-02(S)	On Site	13.5 - 23.5	9-Aug-18	110	310	18	1.4	130
			14-Nov-18	82	240	18	1.2	110
MW-02D(I)	On Site	23 - 33	9-Aug-18	170	400	24	1.3	180
			14-Nov-18	140	410	18	1.1	170
MW-03(S)	On Site	7.5 - 17.5	8-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-04DR(S)	On Site	18 - 28	9-Aug-18	24	53	0.2 U	0.2 U	22
			14-Nov-18	18	27	0.2 U	0.2 U	12
MW-04D2(I)	On Site	35 - 45	9-Aug-18	20	14	47	2.1	12
			14-Nov-18	14	9	26	1.2	8
MW-05(S)	On Site	18 - 28	8-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-06(I)	Northern	38 - 48	8-Aug-18	0.2 U	19	0.2 U	0.2 U	170
MW-06D(D)	Northern	54.5 - 64.5	8-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-07(S)	Western	15 - 25	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-07D(I)	Leading Edge	26.5 - 36.5	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
			14-Nov-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-08(S)	Leading Edge	29 - 39	8-Aug-18	0.2 U	0.2 U	43	6.1	0.2 U
			13-Nov-18	0.2 U	0.2 U	29	4.1	0.2 U
MW-08D(I)	Western	43 - 53	8-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
MW-16(S)	Western	20 - 30	8-Aug-18	0.47 I	5.6	2.3	0.39 I	5.9
			13-Nov-18	0.36 J	4.2	2.3	0.2 U	4.7
MW-17(I)	Western	38 - 48	8-Aug-18	0.2 U	0.2 U	0.49 I	0.2 U	0.2 U
			13-Nov-18	0.2 U	0.2 U	0.45 J	0.2 U	0.2 U
MW-P1(S)	On Site	21 - 31	9-Aug-18	52	48	0.44 I	0.2 U	26
GSSMW-02(S)	Western	17.2 - 27.7	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GSSMW-04(I)	Eastern	38 - 48	9-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GSSMW-05(I)	Northern	68.7 - 78.7	8-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GSSMW-08(I)	Compliance	23 - 38	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
			13-Nov-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GSSMW-09(I)	Compliance	27 - 37	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
			14-Nov-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GSSMW-10(I)	Western	27 -37	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GSSMW-12(D)	On Site	77 - 97	9-Aug-18	5.9	17	1.6	0.24 I	14
			14-Nov-18	4.3	17	2.1	0.23 J	18
GSSMW-13(D)	On Site	73.5 - 93.5	9-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GSSMW-14(D)	Western	84 - 94	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GSSMW-15(I)	Western	24 - 34	8-Aug-18	10	54	26	2.1	42
			13-Nov-18	9.1	51	27	2.1	42
GSS-P2(D)	Western	41.5 - 61.5	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GSS-P3(D)	Western	55 - 65	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
PW-01(D)	VOG Well	75 - 95	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
PW-02(D)	VOG Well	67 - 93	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
PW-03A(D)	VOG Well	46-61, 71-91	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
PW-04(D)	VOG Well	65 - 92	7-Aug-18	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Notes:
All results expressed in µg/l (parts per billion)
MCL: Federal drinking water maximum contaminant level
I,J: Result is an estimate
U: Compound was analyzed for and not detected above the method detection limit
(S), (I), (D) :Screen interval is shallow, intermediate, or deep
: Exceedance of MCL
: Leading-Edge Well
: Compliance Well

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (μg/L)	TCE (μg/L)	cis-1,2-DCE (μg/L)	trans-1,2-DCE (μg/L)	1,1,1-TCA (μg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
MW-01(S)	30-Jan-91	95	359	---	---	630
	30-Jan-91 (a)	95	369	---	---	1160
	26-Mar-91	110	349	---	---	1020
	8-Oct-91	38.2	---	0.7	---	---
	22-Jan-92	70	260	---	---	990
	19-Jun-92	60	160	---	---	850
	13-May-94	92	290	---	---	770
	13-May-96	74	230	---	---	450 J
	6-May-97	33	100	---	---	280
	5-May-98	190	210	---	---	300
	10-May-99	40	140	---	---	270
	15-May-00	34	140	---	---	280
	23-May-01	28	110	---	---	290
	6-May-02	26	70	---	---	170
	5-May-03	18	53	---	---	120
	28-Sep-16	11	16	---	---	48
	20-Jul-17	11 J	16 J	<0.5 J	<0.5 J	45 J
	8-Aug-18	12	16	---	---	40
MW-02(S)	30-Jan-91	85	54	412	12	600
	26-Mar-91	172	950	857	23	1060
	12-May-94	310	1200	770	---	910
	28-Sep-16	78	230	21	1.5	110
	19-Jul-17	78 J	220 J	27 J	5.3 J	130 J
	20-Dec-17	79	160	24	1.9	120
	9-Aug-18	110	310	18	1.4	130
	14-Nov-18	82	240	18	1.2	110

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
MW-02D(I)	19-Jun-92	680	1600	820	---	1300
	13-May-94	280	1000	660	---	800
	8-May-96	430	590	250	---	350
	5-May-97	390	450	140	---	250
	5-May-98	400	380	110	---	220
	10-May-99	190	220	40	--	120
	15-May-00	210	220	42	2.6 J	120
	23-May-01	230	170	38	---	93
	6-May-02	160	120	13	---	55
	6-May-03	130	90	10	---	40
	10-May-04	68	34	7	<1.7	17
	10-Aug-05	110	59	17	<0.84	36
	4-May-06	51	63	16	<2.5	31
	20-Jul-06	69	60	15	<1.3	29
	16-May-07	130	130	28	1.1	71
	25-Sep-07	150	120	28	1.5	71
	25-Apr-08	140	150	38	1.7	81
	5-Sep-08	180	190	48	2.1	120
	31-Mar-09	150	180	2	2.5	98
	15-Sep-09	150	220	43	2.6	110
	11-May-11	140	190	35	2.4	100
	3-Nov-11	130	200	30	1.5	110
	30-May-12	180	350	41	2.4	200
	14-Nov-12	190	320	32	0.1	190
	13-Jun-13	120	260	35	2.0	140
	6-Dec-13	140	310	43	2.4	140
	2-Dec-15	230	580	25	1.4	270
	30-Sep-16	150	360	20	1.5	160
	19-Jul-17	100 J	270 J	30 J	5.3 J	150 J
	20-Dec-17	170	500	24	2.2	220
	9-Aug-18	170	400	24	1.3	180
	14-Nov-18	140	410	18	1.1	170

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
MW-03(S)	30-Jan-91	0.8	19.9	5.9	---	1.8
	26-Mar-91	---	20.0	---	---	---
	8-Oct-91	1.1	27.6	3.9	---	3.3
	22-Jan-92	---	12.0	---	---	2.0 J
	19-Jun-92	---	---	---	---	---
	12-May-94	---	5.0	1	---	---
	6-May-02	---	1.3	---	---	---
	27-Sep-16	---	---	---	---	---
	18-Jul-17	<0.5 J	<0.5 J	<0.5 J	<0.5 J	<0.5 J
	8-Aug-18	---	---	---	---	---
MW-04	30-Jan-91	360	3040	90	---	850
	26-Mar-91	322	2640	49	---	942
	8-Oct-91	---	---	38.2	1.5	---
	8-Oct-91(a)	268	3140	76	1.7	1650
	22-Jan-92	180	3100	NA	---	2200
	19-Jun-92	260	2800	30	---	1600
	13-May-94	330	2100	---	---	680
	6-May-97	---	---	---	---	---
	Well Abandoned					
MW-04D	8-Oct-91	840	1180	1070	20	910
	22-Jan-92	960	690	NA	15 J	740
	19-Jun-92	300	480	80	---	560
	13-May-94	730	650	660	19	360
	8-May-96	110	280	150	---	110
	6-May-97	66	440	97	---	170
	5-May-98	130	680	77	---	220
	10-May-99	64	360	59	---	100
	15-May-00	92	600	33	---	170
	23-May-01	510	320	93	---	68
	27-Feb-02	36	150	49	---	45
	6-May-02	87	150	27	---	37
	5-Aug-02	63	150	33	---	40
	6-Nov-02	59	340	34	---	130

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
MW-04D	26-Feb-03	40	120	48	---	35
	6-May-03	59	190	32	---	59
	27-Aug-03	45	120	47	1.5 J	42
	10-May-04	41	73	26	0.79	23
	10-Aug-05	72	130	3.7	<0.84	43
	4-May-06	54	100	<2.5	<2.5	38
	19-Jul-06	83	150	<6.2	<3.8	59
	16-May-07	64	110	15	0.83	44
	25-Sep-07	120	270	9.4	0.48	130
	25-Apr-08	56	51	7.7	0.43	28
	5-Sep-08	64	65	13	0.71	28
	31-Mar-09	64	91	<0.5	0.75	40
	15-Sep-09	90	180	16	0.90	64
	11-May-11	79	91	5.7	0.33 J	46
	2-Nov-11	59	86	6.1	<0.5	46
	30-May-12	46	59	0.62	<0.5	38
	14-Nov-12	68	160	<5.0 *	<5.0 *	100
	14-Jun-13	49	79	1.5	<0.5	47
	6-Dec-13	56	99	1.4	0.100	51
	Well Abandoned					
MW-04DR(S)	20-Jul-17	22 J	68 J	1.7 J	<0.5 J	36 J
	20-Dec-17	29	100	0.43 J	---	43
	9-Aug-18	24	53	---	---	22
	14-Nov-18	18	27	---	---	12
MW-04D2(I)	19-Jun-92	177	136	110	--	140
	13-May-94	120	52	120	---	40
	8-May-96	---	---	---	---	---
	6-May-97	0.92	---	---	---	---
	10-May-99	---	---	---	---	---
	15-May-00	---	---	---	---	---
	23-May-01	0.26 J	---	---	---	---
	27-Feb-02	---	---	---	---	---
	6-May-02	---	---	---	---	---
	5-Aug-02	---	---	---	---	---
	6-Nov-02	---	---	---	---	---
	26-Feb-03	---	---	---	---	---
	6-May-03	---	---	---	---	---
	27-Aug-03	---	---	---	---	---
	28-Sep-16	18	11	40	2.2	---
	20-Jul-17	16 J	11 J	36 J	7.5 J	13 J
	20-Dec-17	15	12	44	2.4	12
	9-Aug-18	20	14	47	2.1	12
	14-Nov-18	14	8.8	26	1.2	7.5

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (μg/L)	TCE (μg/L)	cis-1,2-DCE (μg/L)	trans-1,2-DCE (μg/L)	1,1,1-TCA (μg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
MW-05(S)	8-Oct-91	---	---	---	---	---
	22-Jan-92	2.0 J	---	NA	---	---
	19-Jun-92	---	---	---	---	---
	13-May-64	2.0	2.0	---	---	2.0
	13-May-96	---	---	---	---	0.7
	13-May-96(a)	---	---	---	---	0.8
	6-May-97	---	---	---	---	---
	5-May-98	---	---	---	---	0.7
	10-May-99	---	---	---	---	0.6
	15-May-00	---	---	---	---	0.36 J
	23-May-01	---	---	---	---	1.7
	7-May-02	---	---	---	---	1.7
	6-May-03	0.91	---	---	---	---
	27-Sep-16	---	---	---	---	---
	20-Jul-17	<0.5 J	<0.5 J	<0.5 J	<0.5 J	1 U,J
	8-Aug-18	---	---	---	---	---
MW-06(I)	8-Oct-91	9.8	---	8.5	---	---
	22-Jan-92	27	1100	---	---	2300
	22-Jan-92(a)	28	1200	---	---	2600
	19-Jun-92	40	1000	---	---	1900
	13-May-94	36	880	---	---	1500
	8-May-96	---	78	---	---	380
	6-May-97	---	47	---	---	430
	5-May-98	---	36	---	---	370
	10-May-99	---	23	---	---	330
	15-May-00	---	26	---	---	320
	23-May-01	---	31	---	---	340
	6-May-02	---	19	---	---	230
	26-Feb-03	---	---	---	---	---
	5-May-03	---	20	---	---	200
	10-May-04	---	10	---	---	180
	10-Aug-05	---	8	---	---	130
	4-May-06	2.8	12	---	---	130
	20-Jul-06	---	10	---	---	170
	17-May-07	---	13	---	---	220
	25-Sep-07	0.62	17	---	---	220
	25-Apr-08	0.61	16	---	---	180
	5-Sep-09	0.62	16	---	---	180
	31-Mar-09	0.49	13	---	---	180
	5-Sep-09	0.83	19	---	---	170
	11-May-11	0.68	16	---	---	140
	3-Nov-11	0.81	14	---	---	130
	1-Jun-12	---	15	---	---	150
	14-Nov-12	<5.0 *	19	---	---	220
	13-Jun-13	0.80	19	---	---	170

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)		TCE (µg/L)		cis-1,2-DCE (µg/L)		trans-1,2-DCE (µg/L)		1,1,1-TCA (µg/L)	
MCLs		**5**		**5**		**70**		**100**		**200**	
MW-06(I)	4-Dec-13	0.45	J	14		---		---		160	
	2-Dec-15	0.66		15		---		---		190	
	28-Sep-16	---		18		---		---		150	H
	19-Jul-17	<0.5	J	16	J	<0.5	J	<0.5	J	190	J
	8-Aug-18	---		19		---		---		170	
MW-06D(D)	19-Jun-92	---		6		---		---		23	
	13-May-94	10		14		2		---		9	
	14-May-96	---		0.4	J	---		---		---	
	10-May-99	NS		NS		NS		NS		NS	
	15-May-00	NS		NS		NS		NS		NS	
	23-May-01	NS		NS		NS		NS		NS	
	6-May-02	NS		NS		NS		NS		NS	
	28-Sep-16	---		---		---		---		---	
	19-Jul-17	<0.5	J	<0.5	J	<0.5	J	<0.5	J	<0.5	J
	8-Aug-18	---		---		---		---		---	
MW-07(S)	8-Oct-91	1.6		3.9		1.3		---		1	
	22-Jan-92	---		---		---		---		8	
	19-Jun-92	---		---		---		---		---	
	27-Apr-93	---		---		---		---		---	
	5-Aug-93	---		---		---		---		---	
	12-May-94	---		---		---		---		---	
	13-May-96	---		---		---		---		---	
	10-May-99	NS		NS		NS		NS		NS	
	15-May-00	NS		NS		NS		NS		NS	
	23-May-01	NS		NS		NS		NS		NS	
	6-May-02	NS		NS		NS		NS		NS	
	4-May-06	1.6		---		---		---		---	
	17-May-07	---		---		---		---		---	
	2-Dec-15	---		---		---		---		---	
	29-Sep-16	---	H	---	H	---	H	---	H	---	H
	18-Jul-17	<0.5	J	<0.5	J	<0.5	J	<0.5	J	<0.5	J
	7-Aug-18	---		---		---		---		---	

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)		TCE (µg/L)		cis-1,2-DCE (µg/L)		trans-1,2-DCE (µg/L)		1,1,1-TCA (µg/L)	
MCLs		**5**		**5**		**70**		**100**		**200**	
MW-07D(I)	8-Oct-91	---		---		---		---		---	
	22-Jan-92	---		---		---		---		---	
	19-Jun-92	---		---		---		---		---	
	27-Apr-93	---		---		---		---		---	
	12-May-94	---		---		---		---		---	
	8-May-96	---		---		---		---		---	
	5-May-97	---		---		---		---		---	
	4-May-98	---		---		---		---		---	
	10-May-99	---		---		---		---		---	
	15-May-00	---		---		---		---		---	
	23-May-01	---		---		---		---		---	
	6-May-02	---		---		---		---		---	
	5-May-03	---		---		---		---		---	
	10-May-04	---		---		---		---		---	
	10-Aug-05	---		---		---		---		---	
	4-May-06	---		---		---		---		---	
	19-Jul-06	---		---		---		---		---	
	17-May-07	---		---		---		---		---	
	25-Sep-07	---		---		---		---		---	
	25-Apr-08	---		---		---		---		---	
	5-Sep-08	---		---		---		---		---	
	31-Mar-09	---		---		---		---		---	
	14-Sep-09	---		---		---		---		---	
	10-May-11	---		---		---		---		---	
	3-Nov-11	---		---		---		---		---	
	1-Jun-12	---		---		---		---		---	
	13-Nov-12	---		---		---		---		---	
	14-Jun-13	---		---		---		---		---	
	5-Dec-13	---		---		---		---		---	
	2-Dec-15	---		---		---		---		---	
	29-Sep-16	---	H	---	H	---	H	---	H	---	H
	18-Jul-17	<0.5	J	<0.5	J	<0.5	J	<0.5	J	<0.5	J
	20-Dec-17	---		---		---		---		---	
	7-Aug-18	---		---		---		---		---	
	14-Nov-18	---		---		---		---		---	

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
MW-08(S)	19-Jun-92	---	---	---	---	---
	27-Apr-93	---	---	28	3 J	---
	5-Aug-93	---	---	NA	NA	---
	12-May-94	---	---	32	3	---
	8-May-96	---	---	---	---	---
	6-Sep-96	---	---	44	5	---
	10-Dec-96	---	---	49	5	---
	19-Feb-97	---	---	55	5.8	---
	5-May-97	---	---	51.0	5.4	---
	12-Aug-97	---	0.9	36	3	---
	12-Dec-97	---	---	56	6	---
	1-Feb-98	---	---	50	5.4	---
	4-May-98	---	---	44	4	---
	6-Aug-98	---	---	51	5.4	---
	19-Nov-98	---	---	65	1	---
	5-Feb-99	---	---	45	3.3	---
	10-May-99	---	---	29	2.4	---
	5-Aug-99	---	---	79	8	---
	4-Nov-99	---	---	---	---	---
	2-Feb-00	---	---	85	9.9	---
	15-May-00	---	---	99	10	---
	21-Aug-00	---	---	76	8.2	---
	7-Nov-00	---	---	76	8.2	---
	5-Feb-01	---	---	61	6	---
	23-May-01	---	---	69	7.4	---

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)		TCE (µg/L)		cis-1,2-DCE (µg/L)		trans-1,2-DCE (µg/L)		1,1,1-TCA (µg/L)	
MCLs		**5**		**5**		**70**		**100**		**200**	
MW-08(S)	1-Aug-01	---		---		62		6.1		---	
	28-Nov-01	---		---		68		7.8		---	
	27-Feb-02	---		---		68		6.9		---	
	6-May-02	---		---		45		3.8		---	
	5-Aug-02	---		---		60		5		---	
	5-Nov-02	---		---		67		6.8		---	
	26-Feb-03	---		---		77		7.8		---	
	5-May-03	---		---		69		7.0		---	
	27-Aug-03	---		---		56		6.4		---	
	11-Nov-03	---		---		74	D	7.2	D	---	
	3-Feb-04	---		---		53		4.8		---	
	10-May-04	---		---		46		4.3		---	
	4-Aug-04	---		---		70		7.2		---	
	1-Feb-05	---		---		24		2.1		---	
	11-Aug-05	---		---		36		3.6		---	
	4-May-06	---		---		45		4.7		---	
	20-Jul-06	---		---		28		3.1		---	
	16-May-07	---		---		26		2.3		---	
	25-Sep-07	---		---		73		9.3		---	
	25-Apr-08	---		---		24		2.6		---	
	5-Sep-08	---		---		34		3.7		---	
	31-Mar-09	---		---		40		5.1		---	
	14-Sep-09	---		---		68		8.9		---	
	10-May-11	---		---		36		5.1		---	
	3-Nov-11	---		---		34		4.5		---	
	31-May-12	---		---		17		2		---	
	13-Nov-12	---		---		70		8.2		---	
	14-Jun-13	---		---		32		4.1		---	
	5-Dec-13	---		---		23		3.3		---	
	3-Dec-15	---		---		46		7.2		---	
	29-Sep-16	---	H	---	H	47	H	8.3	H	---	H
	19-Jul-17	<0.5	J	<0.5	J	33	J	8.9	J	<0.5	J
	20-Dec-17	---		---		20		3.5		---	
	8-Aug-18	---		---		43		6.1		---	
	13-Nov-18	---		---		29		4.1		---	

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (μg/L)		TCE (μg/L)		cis-1,2-DCE (μg/L)		trans-1,2-DCE (μg/L)		1,1,1-TCA (μg/L)	
MCLs		**5**		**5**		**70**		**100**		**200**	
MW-08D(I)	19-Jun-92	---		---		---		---		---	
	27-Apr-93	---		---		---		---		---	
	12-May-94	---		---		---		---		---	
	14-May-96	---		---		---		---		---	
	10-May-99	NS		NS		NS		NS		NS	
	15-May-00	NS		NS		NS		NS		NS	
	23-May-01	NS		NS		NS		NS		NS	
	6-May-02	NS		NS		NS		NS		NS	
	29-Sep-16	---	H	---	H	---	H	---	H	---	H
	19-Jul-17	<0.5	J	<0.5	J	<0.5	J	<0.5	J	<0.5	J
	8-Aug-18	---		---		---		---		---	
MW-16(S)	20-Jul-17	<0.5	J	2.6	U,J	2.5	J	0.6	J	4.8	U,J
	20-Dec-17	---		2.9		2.9		0.54	J	4.4	
	8-Aug-18	0.47	I	5.6		2.3		0.39	I	5.9	
	13-Nov-18	0.36	J	4.2		2.3		---		4.7	
MW-17(I)	20-Jul-17	<0.5	J	<0.5	J	0.6	J	<0.5	J	0.6	U,J
	20-Dec-17	---		---		---		---		---	
	8-Aug-18	---		---		---		---		0.49	I
	13-Nov-18	---		---		0.45	J	---		---	

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
MW-P1(S)	13-May-94	1400	6200	600	--	1800
	8-May-96	540	1400	---	---	720
	6-May-97	340	730	---	---	460
	5-May-98	370	550	---	---	380
	10-May-99	170	380	--	--	350
	15-May-00	160	420	---	---	300
	23-May-01	180	330	---	---	300
	27-Feb-02	94	150	---	---	150
	6-May-02	110	140	---	---	130
	5-Aug-02	100	120	---	---	130
	6-Nov-02	120	110	---	---	82
	26-Feb-03	100	88	---	---	86
	6-May-03	100	88	---	---	100
	27-Aug-03	110	56	---	---	60
	10-May-04	53	55	---	---	160
	10-Aug-05	60	41	---	---	60
	4-May-06	45	36	---	---	38
	19-Jul-06	43	32	---	---	35
	16-May-07	50	36	---	---	39
	25-Sep-07	88	42	---	---	55
	25-Apr-08	19	21	2.3	---	12
	5-Sep-08	42	32	1.3	---	27
	31-Mar-09	41	27	---	0.33	22
	14-Sep-09	67	38	1.5	---	31
	11-May-11	83	34	1.9	---	29
	2-Nov-11	45	33	1.6	---	22
	30-May-12	54	33	---	---	30
	13-Nov-12	63	34	---	---	27
	13-Jun-13	49	41	0.7	---	28
	5-Dec-13	67	40	---	---	29
	2-Dec-15	68	40	---	---	28
	27-Sep-16	54 H	32	---	---	---
	19-Jul-17	35 J	33 J	<0.5 J	<0.5 J	34 J
	9-Aug-18	52	48	0.44 I	---	26

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (μg/L)	TCE (μg/L)	cis-1,2-DCE (μg/L)	trans-1,2-DCE (μg/L)	1,1,1-TCA (μg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
GSSMW-01	9-May-96	---	---	---	---	---
	27-Aug-96	---	---	---	---	---
	10-Dec-96	---	---	---	---	---
	19-Feb-97	---	---	---	---	---
	5-May-97	---	---	---	---	---
	12-Aug-97	---	0.36 J	---	---	---
	12-Dec-97	---	---	---	---	---
	1-Feb-98	---	---	---	---	---
	4-May-98	---	---	---	---	---
	6-Aug-98	---	---	---	---	---
	19-Nov-98	---	---	---	---	---
	5-Feb-99	---	---	---	---	---
	10-May-99	---	---	---	---	---
	5-Aug-99	---	---	---	---	---
	4-Nov-99	NS	NS	NS	NS	NS
	2-Feb-00	---	---	---	---	---
	21-Aug-00	NS	NS	NS	NS	NS
	7-Nov-00	NS	NS	NS	NS	NS
	5-Feb-01	NS	NS	NS	NS	NS
	23-May-01	NS	NS	NS	NS	NS
	1-Aug-01	NS	NS	NS	NS	NS
	6-May-02	NS	NS	NS	NS	NS
	Well Abandoned					
GSSMW-02(S)	8-May-96	---	---	---	---	---
	10-Dec-96	---	---	---	---	---
	5-May-97	---	---	---	---	---
	11-Dec-97	---	---	---	---	---
	4-May-98	---	---	---	---	---
	19-Nov-98	---	---	---	---	---
	10-May-99	---	---	---	---	---
	4-Nov-99	---	---	---	---	---
	15-May-00	---	---	---	---	---
	7-Nov-00	---	---	---	---	---
	23-May-01	---	---	---	---	---
	28-Nov-01	---	---	---	---	---
	6-May-02	---	---	---	---	---
	5-Nov-02	---	---	---	---	---
	5-May-03	---	---	---	---	---
	12-Nov-03	---	---	---	---	---
	28-Sep-16	---	---	---	---	---
	18-Jul-17	<0.5	<0.5	<0.5	<0.5	<0.5
	7-Aug-18	---	---	---	---	---

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
GSSMW-03	13-May-96	---	---	---	---	---
	10-Dec-96	---	---	---	---	---
	6-May-97	---	---	---	---	---
	11-Dec-97	---	---	---	---	---
	5-May-98	---	---	---	---	---
	19-Nov-98	---	---	---	---	---
	10-May-99	---	---	---	---	---
	4-Nov-99	---	---	---	---	---
	15-May-00	---	---	---	---	---
	7-Nov-00	---	---	---	---	---
	23-May-01	---	---	---	---	---
	28-Nov-01	---	---	---	---	---
	6-May-02	---	---	---	---	---
	6-Nov-02	---	---	---	---	---
	5-May-03	---	---	---	---	---
	12-Nov-03	---	---	---	---	---
	Well Abandoned					
GSSMW-03D	13-May-96	---	---	---	---	---
	10-Dec-96	---	---	---	---	---
	5-May-97	---	---	---	---	---
	12-Dec-97	---	---	---	---	---
	5-May-98	---	---	---	---	---
	19-Nov-98	---	---	---	---	---
	10-May-99	---	---	---	---	---
	4-Nov-99	---	---	---	---	---
	15-May-00	---	---	---	---	---
	7-Nov-00	---	---	---	---	---
	23-May-01	---	---	---	---	---
	28-Nov-01	---	---	---	---	---
	6-May-02	---	---	---	---	---
	6-Nov-02	---	---	---	---	---
	5-May-03	---	---	---	---	---
	12-Nov-03	---	---	---	---	---
	Well Abandoned					

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)		TCE (µg/L)		cis-1,2-DCE (µg/L)		trans-1,2-DCE (µg/L)		1,1,1-TCA (µg/L)	
MCLs		**5**		**5**		**70**		**100**		**200**	
GSSMW-04(I)	13-May-96	---		---		---		---		---	
	10-Dec-96	---		---		---		---		---	
	12-Dec-97	---		---		---		---		---	
	4-May-98	---		---		---		---		---	
	19-Nov-98	---		---		---		---		---	
	10-May-99	---		---		---		---		---	
	4-Nov-99	---		---		---		---		---	
	15-May-00	---		---		---		---		---	
	7-Nov-00	---		---		---		---		---	
	23-May-01	---		---		---		---		---	
	28-Nov-01	---		---		---		---		---	
	6-May-02	---		---		---		---		---	
	6-Nov-02	---		---		---		---		---	
	5-May-03	---		---		---		---		---	
	12-Nov-03	---		---		---		---		---	
	27-Sep-16	---		---		---		---		---	
	18-Jul-17	<0.5	J	<0.5	J	<0.5	J	<0.5	J	<0.5	J
	9-Aug-18	---		---		---		---		---	
GSSMW-05(I)	13-May-96	---		---		---		---		---	
	10-Dec-96	---		---		---		---		---	
	5-May-97	---		---		---		---		---	
	12-Dec-97	---		---		---		---		---	
	4-May-98	---		---		---		---		---	
	19-Nov-98	---		---		---		---		---	
	10-May-99	---		---		---		---		---	
	4-Nov-99	---		---		---		---		---	
	15-May-00	---		---		---		---		---	
	7-Nov-00	---		---		---		---		---	
	23-May-01	---		---		---		---		---	
	28-Nov-01	---		---		---		---		---	
	6-May-02	---		---		---		---		---	
	6-Nov-02	---		---		---		---		---	
	5-May-03	---		---		---		---		---	
	12-Nov-03	---		---		---		---		---	
	30-Sep-16	---		---		---		---		---	
	19-Jul-17	<0.5	J	<0.5	J	<0.5	J	<0.5	J	1	U,J
	8-Aug-18	---		---		---		---		---	

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (μg/L)	TCE (μg/L)	cis-1,2-DCE (μg/L)	trans-1,2-DCE (μg/L)	1,1,1-TCA (μg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
GSSMW-06	9-May-96	---	---	---	---	---
	27-Aug-96	---	---	---	---	---
	10-Dec-96	---	---	---	---	---
	19-Feb-97	---	---	---	---	---
	5-May-97	---	---	---	---	---
	12-Aug-97	---	34	---	---	370
	12-Dec-97	---	---	---	---	---
	1-Feb-98	---	---	---	---	---
	4-May-98	---	---	---	---	---
	6-Aug-98	---	---	---	---	---
	19-Nov-98	---	---	---	---	---
	5-Feb-99	---	---	---	---	---
	10-May-99	---	---	---	---	---
	5-Aug-99	---	---	---	---	---
	4-Nov-99	---	---	---	---	---
	2-Feb-00	---	---	---	---	---
	15-May-00	---	---	---	---	---
	21-Aug-00	---	---	---	---	---
	7-Nov-00	---	---	---	---	---
	5-Feb-01	---	---	---	---	---
	23-May-01	---	---	---	---	---
	1-Aug-01	---	---	---	---	---
	28-Nov-01	---	---	---	---	---
	27-Feb-02	---	---	---	---	---
	6-May-02	---	---	---	---	---
	5-Aug-02	---	---	---	---	---
	6-Nov-02	---	---	---	---	---
	5-May-03	---	---	---	---	---
	27-Aug-03	---	---	---	---	---
	12-Nov-03	---	---	---	---	---
	Well Abandoned					

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
GSSMW-07	13-May-96	---	---	---	---	---
	10-Dec-96	---	---	---	---	---
	5-May-97	---	---	---	---	---
	12-Dec-97	---	---	---	---	---
	5-May-98	---	---	---	---	---
	19-Nov-98	---	---	---	---	---
	10-May-99	---	---	---	---	---
	4-Nov-99	---	---	---	---	---
	15-May-00	---	---	---	---	---
	7-Nov-00	---	---	---	---	---
	23-May-01	---	---	---	---	---
	28-Nov-01	---	---	---	---	---
	6-May-02	---	---	---	---	---
	6-Nov-02	---	---	---	---	---
	5-May-03	---	---	---	---	---
	12-Nov-03	---	---	---	---	---
	Well Abandoned					
GSSMW-08(I)	9-May-96	---	---	---	---	---
	27-Aug-96	---	---	---	---	---
	10-Dec-96	---	---	---	---	---
	19-Feb-97	---	---	---	---	---
	5-May-97	---	---	---	---	---
	12-Aug-97	---	0.58	---	---	---
	11-Dec-97	---	---	---	---	---
	1-Feb-98	---	---	---	---	---
	4-May-98	---	---	---	---	---
	6-Aug-98	---	---	---	---	---
	19-Nov-98	---	---	---	---	---
	5-Feb-99	---	---	---	---	---
	10-May-99	---	---	---	---	---
	5-Aug-99	---	---	---	---	---
	4-Nov-99	NS	NS	NS	NS	NS
	2-Feb-00	---	---	---	---	---
	15-May-00	---	---	---	---	---
	21-Aug-00	---	---	---	---	---
	5-Feb-01	---	---	---	---	---
	23-May-01	---	---	---	---	---

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)		TCE (µg/L)		cis-1,2-DCE (µg/L)		trans-1,2-DCE (µg/L)		1,1,1-TCA (µg/L)	
MCLs		**5**		**5**		**70**		**100**		**200**	
GSSMW-08(I)	1-Aug-01	---		---		---		---		---	
	28-Nov-01	---		---		---		---		---	
	27-Feb-02	---		---		---		---		---	
	6-May-02	---		---		---		---		---	
	5-Aug-02	---		---		---		---		---	
	5-Nov-02	---		---		---		---		---	
	26-Feb-03	---		---		---		---		---	
	5-May-03	---		---		---		---		---	
	27-Aug-03	---		---		---		---		---	
	11-Nov-03	---		---		---		---		---	
	3-Feb-04	---		---		---		---		---	
	10-May-04	---		---		---		---		---	
	4-Aug-04	---		---		---		---		---	
	1-Feb-05	---		---		---		---		---	
	11-Aug-05	---		---		---		---		---	
	4-May-06	---		---		---		---		---	
	20-Jul-06	---		---		---		---		---	
	17-May-07	---		---		---		---		---	
	25-Sep-07	---		---		---		---		---	
	25-Apr-08	---		---		---		---		---	
	4-Sep-08	---		---		---		---		---	
	30-Mar-09	---		---		---		---		---	
	14-Sep-09	---		---		---		---		---	
	10-May-11	---		---		---		---		---	
	3-Nov-11	---		---		---		---		---	
	31-May-12	---		---		---		---		---	
	13-Nov-12	---		---		---		---		---	
	14-Jun-13	---		---		---		---		---	
	5-Dec-13	---		---		---		---		---	
	2-Dec-15	---		---		---		---		---	
	29-Sep-16	---	H	---	H	---	H	---	H	---	H
	18-Jul-17	<0.5	J	<0.5	J	<0.5	J	<0.5	J	<0.5	J
	20-Dec-17	---		---		---		---		---	
	7-Aug-18	---		---		---		---		---	
	13-Nov-18	---		---		---		---		---	

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
GSSMW-09(I)	9-May-96	---	---	---	---	---
	27-Aug-96	---	---	---	---	---
	10-Dec-96	---	---	---	---	---
	19-Feb-97	---	---	---	---	---
	5-May-97	---	---	---	---	---
	12-Aug-97	---	---	---	---	---
	11-Dec-97	---	---	---	---	---
	1-Feb-98	---	---	---	---	---
	4-May-98	---	---	---	---	---
	6-Aug-98	---	---	---	---	---
	19-Nov-98	---	---	---	---	---
	5-Feb-99	---	---	---	---	---
	10-May-99	---	---	---	---	---
	5-Aug-99	---	---	---	---	---
	4-Nov-99	---	---	---	---	---
	2-Feb-00	---	---	---	---	---
	15-May-00	---	---	---	---	---
	21-Aug-00	---	---	---	---	---
	7-Nov-00	---	---	---	---	---
	5-Feb-01	---	---	---	---	---
	23-May-01	---	---	---	---	---
	1-Aug-01	---	---	---	---	---
	28-Nov-01	---	---	---	---	---
	27-Feb-02	---	---	---	---	---
	6-May-02	---	---	---	---	---
	5-Aug-02	---	---	---	---	---
	5-Nov-02	---	---	---	---	---
	26-Feb-03	---	---	---	---	---
	5-May-03	---	---	---	---	---
	27-Aug-03	---	---	---	---	---
	11-Nov-03	---	---	---	---	---
	3-Feb-04	---	---	0.28	---	---
	10-May-04	---	---	---	---	---
	4-Aug-04	---	---	---	---	---
	1-Feb-05	---	---	---	---	---
	11-Aug-05	---	---	---	---	---
	4-May-06	---	---	---	---	---
	20-Jul-06	---	---	---	---	---
	16-May-07	---	---	---	---	---
	25-Sep-07	---	---	---	---	---

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)		TCE (µg/L)		cis-1,2-DCE (µg/L)		trans-1,2-DCE (µg/L)		1,1,1-TCA (µg/L)	
MCLs		**5**		**5**		**70**		**100**		**200**	
GSSMW-09(I)	25-Apr-08	---		---		---		---		---	
	5-Sep-08	---		0.24		---		---		---	
	31-Mar-09	---		---		---		---		---	
	14-Sep-09	---		---		---		---		---	
	10-May-11	---		---		---		---		---	
	3-Nov-11	No Sample - Well Seal Compromised to Surface Water/Sediment.									
	31-May-12	---		---		---		---		---	
	13-Nov-12	---		---		---		---		---	
	14-Jun-13	---		---		---		---		---	
	5-Dec-13	---		---		---		---		---	
	2-Dec-15	---		---		---		---		---	
	29-Sep-16	---	H	---	H	---	H	---	H	---	H
	18-Jul-17	<0.5	J	<0.5	J	<0.5	J	<0.5	J	<0.5	J
	20-Dec-17	---		---		---		---		---	
	7-Aug-18	---		---		---		---		---	
	14-Nov-18	---		---		---		---		---	
GSSMW-10(I)	9-May-96	---		---		---		---		---	
	27-Aug-96	---		---		---		---		---	
	10-Dec-96	---		---		---		---		---	
	19-Feb-97	---		---		---		---		---	
	5-May-97	---		---		---		---		---	
	12-Aug-97	---		0.7		---		---		---	
	11-Dec-97	---		---		---		---		---	
	1-Feb-98	---		---		---		---		---	
	4-May-98	---		---		---		---		---	
	6-Aug-98	---		---		---		---		---	
	19-Nov-98	---		---		---		---		---	
	5-Feb-99	---		---		---		---		---	
	10-May-99	---		---		---		---		---	
	5-Aug-99	---		---		---		---		---	
	4-Nov-99	---		---		---		---		---	
	2-Feb-00	---		---		---		---		---	
	15-May-00	---		---		---		---		---	
	21-Aug-00	---		---		---		---		---	
	7-Nov-00	---		---		---		---		---	
	23-May-01	---		---		---		---		---	
	1-Aug-01	---		---		---		---		---	
	28-Nov-01	---		---		---		---		---	
	27-Feb-02	---		---		---		---		---	
	6-May-02	---		---		---		---		---	
	5-Aug-02	---		---		---		---		---	
	5-Nov-02	---		---		---		---		---	
	26-Feb-03	---		---		---		---		---	

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)		TCE (µg/L)		cis-1,2-DCE (µg/L)		trans-1,2-DCE (µg/L)		1,1,1-TCA (µg/L)	
MCLs		**5**		**5**		**70**		**100**		**200**	
GSSMW-10(I)	5-May-03	---		---		---		---		---	
	27-Aug-03	---		---		---		---		---	
	11-Nov-03	---		---		---		---		---	
	29-Sep-16	---	H	---	H	---	H	---	H	---	H
	18-Jul-17	---		---		---		---		---	
	7-Aug-18	---		---		---		---		---	
GSSMW-11	13-May-96	---		---		---		---		3.0	
	10-Dec-96	---		---		---		---		---	
	5-May-97	0.4	J	---		---		---		---	
	12-Dec-97	---		---		---		---		---	
	4-May-98	---		---		---		---		---	
	19-Nov-98	---		---		---		---		---	
	10-May-99	---		---		---		---		---	
	4-Nov-99	---		---		---		---		---	
	15-May-00	NS		NS		NS		NS		NS	
	7-Nov-00	---		---		---		---		---	
	23-May-01	---		---		---		---		---	
	28-Nov-01	---		---		---		---		---	
	6-May-02	---		---		---		---		---	
	5-Nov-02	---		---		---		---		---	
	5-May-03	---		---		---		---		---	
	2-Dec-03	---		---		---		---		---	
	Well Abandoned										
GSSMW-12(D)	8-May-96	---		---		---		---		---	
	6-May-97	0.4	J	---		---		---		---	
	5-May-98	---		---		---		---		---	
	10-May-99	---		---		---		---		---	
	15-May-00	---		---		---		---		---	
	23-May-01	---		---		---		---		---	
	7-May-02	---		---		---		---		---	
	6-May-03	---		---		---		---		---	
	28-Sep-16	---		---		---		---		---	
	19-Jul-17	<0.5	J	<0.5	J	<0.5	J	<0.5	J	<0.5	J
	9-Aug-18	5.9		17		1.6		0.24	I	14	
	14-Nov-18	4.3		17		2.1		0.23	J	18	

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
GSSMW-13(D)	8-May-96	---	---	---	---	---
	6-May-97	0.4 J	---	---	---	---
	5-May-98	---	---	---	---	---
	10-May-99	---	---	---	---	---
	15-May-00	---	---	---	---	---
	23-May-01	---	---	---	---	---
	1-Aug-01	---	---	---	---	---
	7-May-02	---	---	---	---	---
	6-May-03	---	---	---	---	---
	28-Sep-16	---	---	---	---	---
	18-Jul-17	<0.5	<0.5	<0.5	<0.5	<0.5
	9-Aug-18	---	---	---	---	---
GSSMW-14(D)	9-May-96	---	---	---	---	---
	27-Aug-96	---	---	---	---	---
	10-Dec-96	---	---	---	---	---
	19-Feb-97	---	---	---	---	---
	5-May-97	0.4 J	---	---	---	---
	12-Aug-97	---	---	---	---	---
	11-Dec-97	---	---	---	---	---
	1-Feb-98	---	---	---	---	---
	4-May-98	---	---	---	---	---
	6-Aug-98	---	---	---	---	---
	19-Nov-98	---	---	---	---	---
	5-Feb-99	---	---	---	---	---
	10-May-99	---	---	---	---	---
	5-Aug-99	---	---	---	---	---
	4-Nov-99	---	---	---	---	---
	2-Feb-00	---	---	---	---	---
	15-May-00	---	---	---	---	---
	21-Aug-00	---	---	---	---	---
	7-Nov-00	---	---	---	---	---
	23-May-01	---	---	---	---	---
	1-Aug-01	---	---	---	---	---
	28-Nov-01	---	---	---	---	---
	27-Feb-02	---	---	---	---	---
	6-May-02	---	---	---	---	---
	5-Aug-02	---	---	---	---	---
	5-Nov-02	---	---	---	---	---
	26-Feb-03	---	---	---	---	---
	5-May-03	---	---	---	---	---
	27-Aug-03	---	---	---	---	---
	12-Nov-03	---	---	---	---	---
	29-Sep-16	--- H	--- H	--- H	--- H	--- H
	18-Jul-17	---	---	---	---	---
	7-Aug-18	---	---	---	---	---

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	1,1,1-TCA (µg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
GSSMW-15(I)	9-Sep-05	6.1	25	6.1	---	21
	4-May-06	7.2	22	4.1	---	19
	14-Jun-06	13	23	6.0	---	19
	19-Jul-06	8.6	24	7.1	---	18
	16-May-07	7.8	37	13	0.74	30
	25-Sep-07	12	35	10	0.67	33
	25-Apr-08	11	41	17	1.2	35
	5-Sep-08	12	47	19	1.2	37
	31-Mar-09	8.9	35	9	0.61	30
	15-Sep-09	26	38	11	0.72	30
	11-May-11	12	44	11	0.74	34
	3-Nov-11	9.1	32	12	0.94	29
GSSMW-15(I)	30-May-12	9.2	43	20	1.4	42
	13-Nov-12	10	49	17	0.93	45
	14-Jun-13	11	50	15	1.0	44
	6-Dec-13	13	61	20	1.6	46
	3-Dec-15	11	55	19	1.7	45
	30-Sep-16	11	50	18	1.7	---
	19-Jul-17	9.8 J	43 J	22 J	4.6 J	45 J
	20-Dec-17	6.9	53	27	2.6	44
	8-Aug-18	10	54	26	2.1	42
	13-Nov-18	9.1	51	27	2.1	42
GSSEW-01	20-Jul-06	---	---	---	---	---
	17-May-07	---	---	0.50	---	---
	25-Apr-08	---	---	---	---	---
	30-Mar-09	---	---	0.79	---	---
	10-May-11	---	---	0.58	---	---
	3-Nov-11	---	---	---	---	---
	29-Sep-16	--- H	--- H	--- H	--- H	--- H
	Well Abandoned					
GSSEW-02	30-Sep-16	11	12	16	0.67	---
	Well Abandoned					
GSS-P2(D)	28-Sep-16	---	---	---	---	---
	18-Jul-17	---	---	---	---	---
	7-Aug-18	---	---	---	---	---
GSS-P3(D)	29-Sep-16	--- H	--- H	--- H	--- H	--- H
	18-Jul-17	---	---	---	---	---
	7-Aug-18	---	---	---	---	---

Table 4. Summary of Historical Groundwater Analytical Results
Granville Solvents Site; Granville, Ohio

Sample Location	Sample Date	PCE (μg/L)	TCE (μg/L)	cis-1,2-DCE (μg/L)	trans-1,2-DCE (μg/L)	1,1,1-TCA (μg/L)
MCLs		**5**	**5**	**70**	**100**	**200**
PW-01(D)	18-Jul-17	---	---	---	---	---
	7-Aug-18	---	---	---	---	---
PW-02(D)	30-Sep-16	---	---	---	---	---
	17-Jul-17	---	---	---	---	---
	8-Jul-18	---	---	---	---	---
PW-03A(D)	30-Sep-16	---	---	---	---	---
	17-Jul-17	---	---	---	---	---
	7-Aug-18	---	---	---	---	---
PW-04(D)	30-Sep-16	---	---	---	---	---
	17-Jul-17	---	---	---	---	---
	7-Aug-18	---	---	---	---	---

Notes:
All results expressed in µg/l (parts per billion)
--- : Results are non-detect (below RL).
MCL - Maximum contaminant level; TCE - Trichloroethene; DCE - cis-1,2-Dichloroethene
PCE - Tetrachloroethene; trans-1,2-DCE - trans-1,2-Dichloroethene; 1,1,1-TCA - 1,1,1-Trichloroethane
* - Lab attributed a Dilution Factor of 10 to this sample resulting in an elevated RL.
** - Lab attributed a Dilution Factor of 20 to this sample resulting in an elevated RL.
H - Sample was prepped/analyzed beyond the specified holding time.
U - Result is considered not detected due to trip blank exceedance.
J,I - Sample result is estimated
(a) - Duplicate Sample
NA - Not analyzed.
NS - Not sampled.

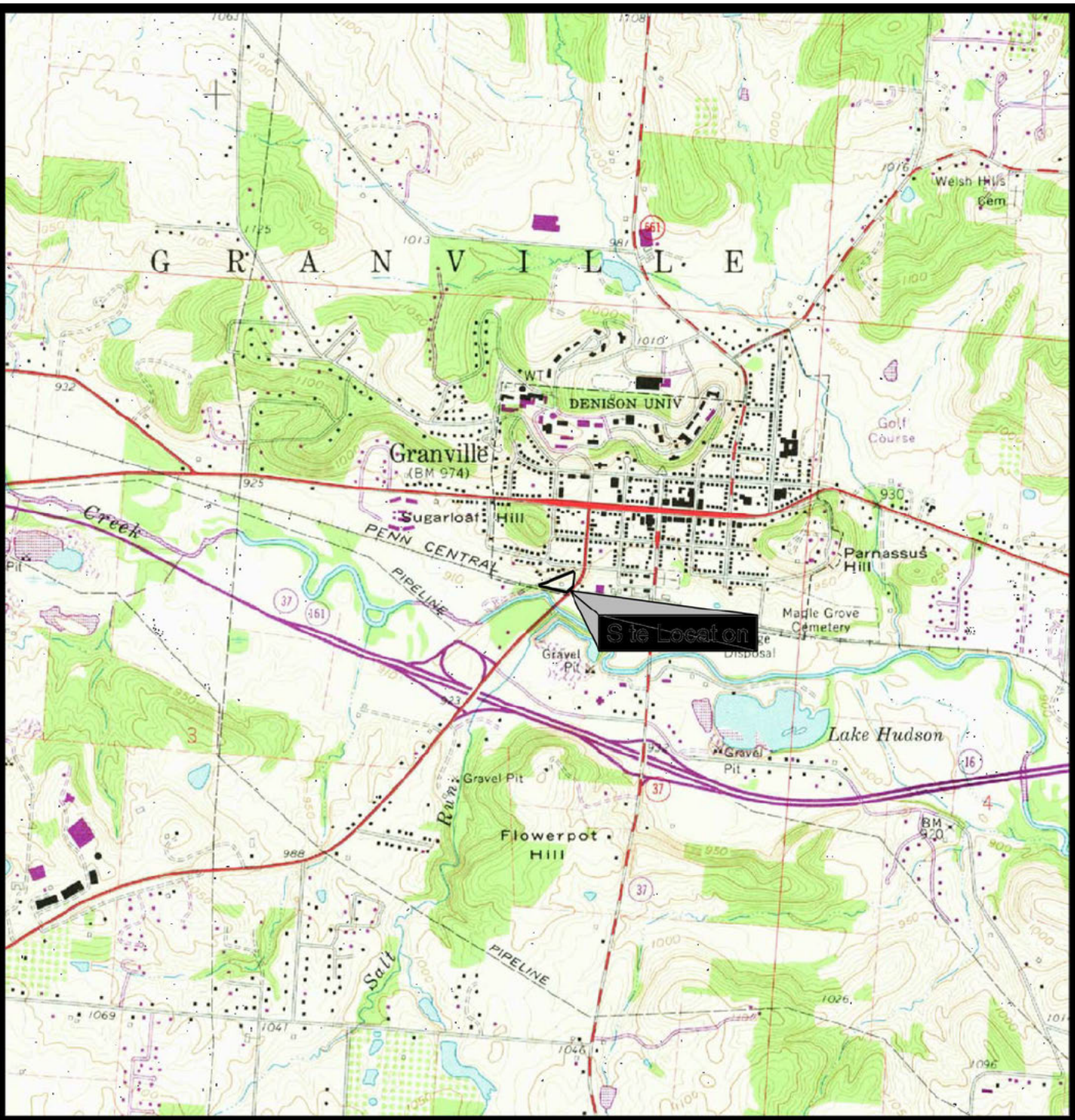
Table 5. Proposed Changes to the Groundwater Monitoring Plan
Granville Solvents, Inc. Site; Granville, Ohio

		Monitoring Plan - 2018		Monitoring Plan - Proposed 2019		
Monitoring Location	**General Depth, and Screen Interval (ft bTOC)**	**Hydraulic / Water Levels**	**Groundwater Quality**	**Hydraulic / Water Levels**	**Groundwater Quality**	**Notes:**
MW-01(S)	Shallow, 25.5-35.5	Annual	Annual	Annual	Annual	No Change
MW-02(S)	Shallow, 13.5-23.5	Annual	Semi-Annual	Annual	Semi-Annual	No Change
MW-02D(I)	Intermediate, 23-33	Annual	Semi-Annual	Annual	Semi-Annual	No Change
MW-03(S)	Shallow, 7.5-17.5	Annual	Annual	Annual	Biennial	No detections since 2002, 3 sampling events since last detection, east of plume
MW-04DR(S)	Shallow, 13-23	Annual	Semi-Annual	Annual	Semi-Annual	No Change
MW-04D2(I)	Intermediate, 35-45	Annual	Semi-Annual	Annual	Semi-Annual	No Change
MW-05(S)	Shallow, 18-28	Annual	Annual	Annual	Biennial	Last detections 0.91 ug/L- PCE in 2003, 1 0 ug/L- 1,1,1-TCA in 2017, east of plume
MW-06(I)	Intermediate, 38-48	Annual	Annual	Annual	Annual	No Change
MW-06D(D)	Deep, 54 5-64 5	Annual	Annual	Annual	Biennial	No detection since 1996, 3 sampling events since 1996
MW-07(S)	Shallow, 15-25	Annual	Annual	Annual	Annual	No Change
MW-07D(I)	Intermediate, 26.5-36.5	Annual	Semi-Annual	Annual	Semi-Annual	No Change
MW-08(S)	Shallow, 29-39	Annual	Semi-Annual	Annual	Semi-Annual	No Change
MW-08D(I)	Intermediate, 43-53	Annual	Annual	Annual	Annual	No Change
MW-P1(S)	Shallow, 21-31	Annual	Annual	Annual	Annual	No Change
GSSMW-02(S)	Shallow, 17.2-27.7	Annual	Annual	Annual	Biennial	No detections ever, out of path of plume, by creek
GSSMW-04(I)	Intermediate, 38-48	Annual	Annual	Annual	Biennial	No detections ever, out of path and east of plume
GSSMW-05(I)	Intermediate, 68.7-78.7	Annual	Annual	Annual	Biennial	1 detection since 1996 (1.0 ug/L- 1,1,1-TCA in 2017), out of path and north of plume
GSSMW-08(I)	Intermediate, 28-38	Annual	Semi-Annual	Annual	Semi-Annual	No Change
GSSMW-09(I)	Intermediate, 27-37	Annual	Semi-Annual	Annual	Semi-Annual	No Change
GSSMW-10(I)	Intermediate, 27-37	Annual	Annual	Annual	Annual	No Change
GSSMW-12(D)	Deep, 77-97	Annual	Annual	Annual	Semi-Annual	Will be monitored semiannually in 2019 to evaluate concentration trends
GSSMW-13(D)	Deep, 73 5-93 5	Annual	Annual	Annual	Annual	No Change
GSSMW-14(D)	Deep, 84-94	Annual	Annual	Annual	Annual	No Change
GSSMW-15(I)	Intermediate, 24-34	Annual	Semi-Annual	Annual	Semi-Annual	No Change
GSS-P2(D)	Deep, 41 5-61 5	Annual	Annual	Annual	Annual	No Change
GSS-P3(D)	Deep, 55-65	Annual	Annual	Annual	Annual	No Change
MW-16(S)	Shallow, 20-30	Annual	Semi-Annual	Annual	Semi-Annual	No Change
MW-17(I)	Intermediate, 38-48	Annual	Semi-Annual	Annual	Semi-Annual	No Change
PW-01(D)	Deep, 75-95	Annual	Annual	Annual	Annual	No Change
PW-02(D)	Deep, 67-93	Annual	Annual	Annual	Annual	No Change
PW-03A(D)	Deep, 46-61 and 71-91	Annual	Annual	Annual	Annual	No Change
PW-04(D)	Deep, 65-92	Annual	Annual	Annual	Annual	No Change
BM-1	Creek Level	Annual		Annual		No Change
BM-2	Creek Level	Annual		Annual		No Change
BM-3	Creek Level	Annual		Annual		No Change

ft bTOC - feet below top of casing
Semi-Annual = June and November ; Annual = June; Biennial = every other June event
The adequacy of the monitoring plan will be evaluated on an annual basis, and any changes to locations/frequency will be recommended in he Annual Report.

Compliance Well
Leading-Edge Well

FIGURES



Base Taken From USGS Granville, Ohio
7.5' Series Topographic Quadrangle
Date 1961 Photorevised 1974
Scale 1:24,000

Quadrangle Location

0 2000' 4000'

1" 2000'

NOT
FIGU

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

12402 N 56th Street, Tampa, Florida 33617
Phone: (813) 930-0669 Fax: (813) 930-9809
Web Site: http://www.progressiveec.com

NO.	REVISION DETAILS	DATE
1		
2		
3		
4		
5		

SITE LOCATION MAP

GRANVILLE SOLVENTS INC.
GRANVILLE OHIO

DATE: 2/14/08
DRAWN BY: KWC
APPROVED BY: BM

DRAWING NUMBER: 1

FILE PATH: \PROSV worldox docs\Projec GRANVILL GRNVLPC 000379 7 DWG

SCALE: 1" = 2,000'

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Non-Responsive

Figure 8

Well **MW-08(S)** Log VOC Concentrations vs. Time - Through November 2018

[Leading Edge Well]

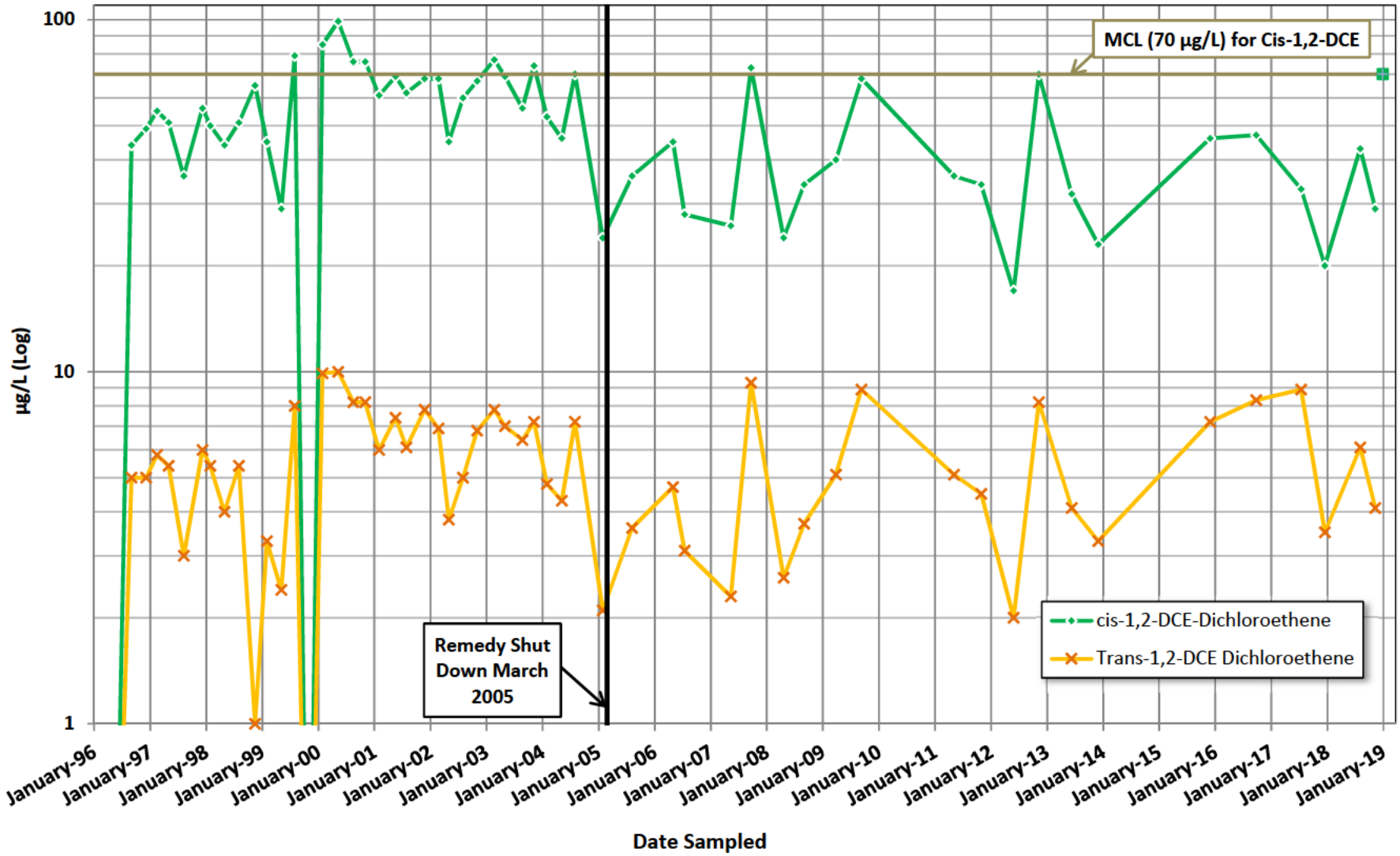


Figure 9

Well **GSSMW-15(I)** Log VOC Concentrations vs. Time - Through November 2018

[Intermediate Well]

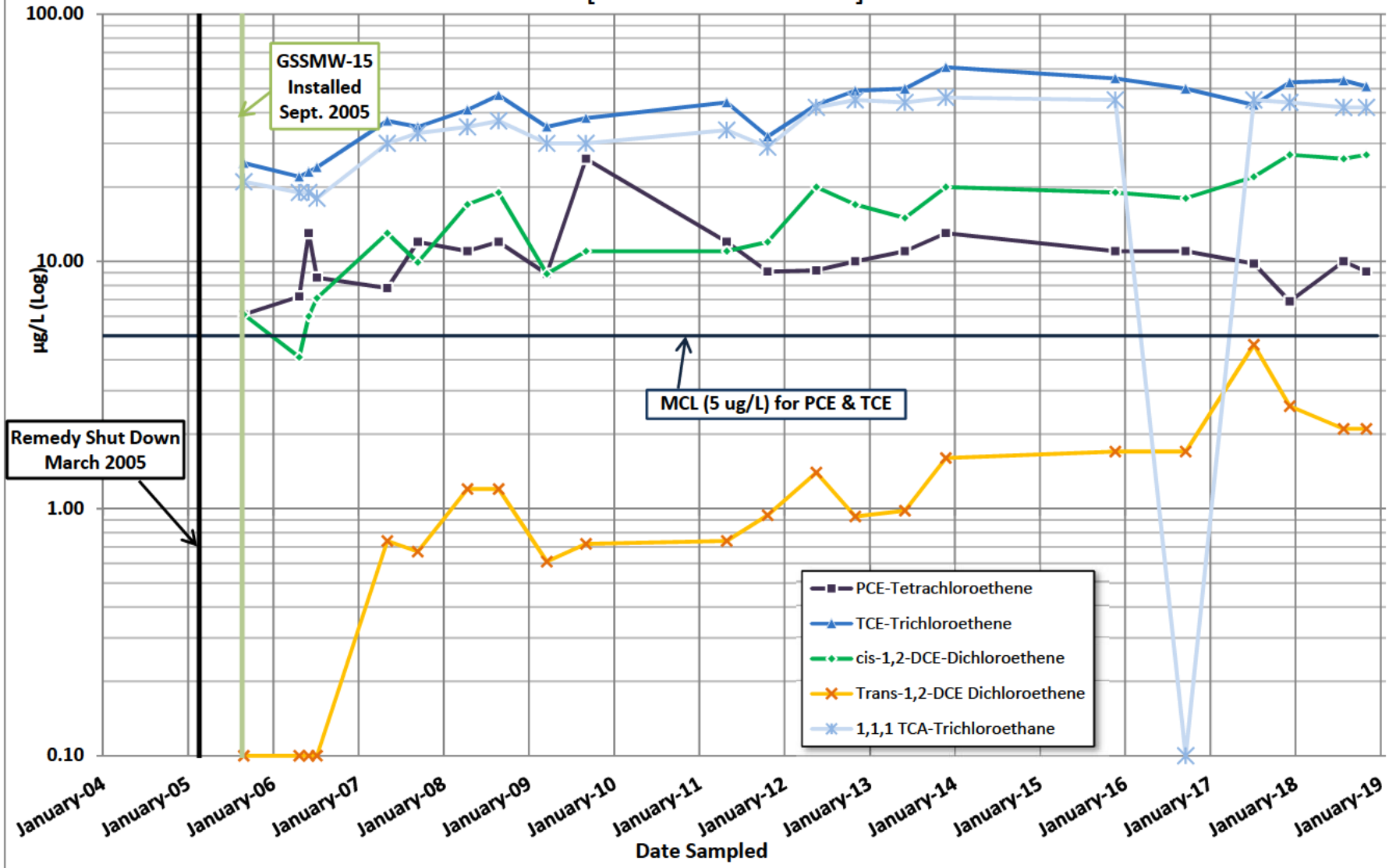


Figure 10
Well **MW-02(S)** Log VOC Concentrations vs. Time -Through November 2018
[Source Area Well]

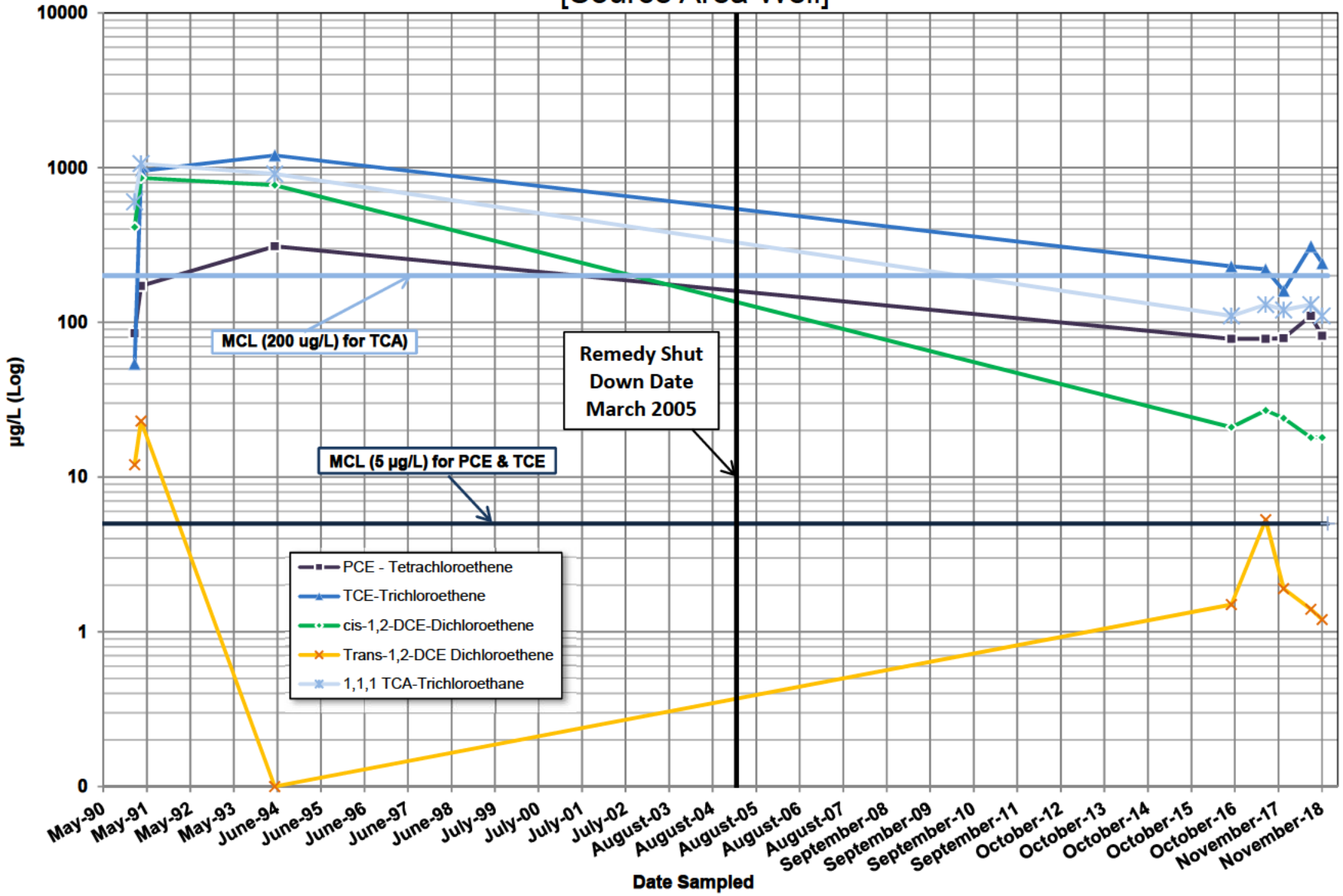


Figure 11
Well **MW-02D(I)** Log VOC Concentrations vs. Time-Through November 2018
[Source Area Well]

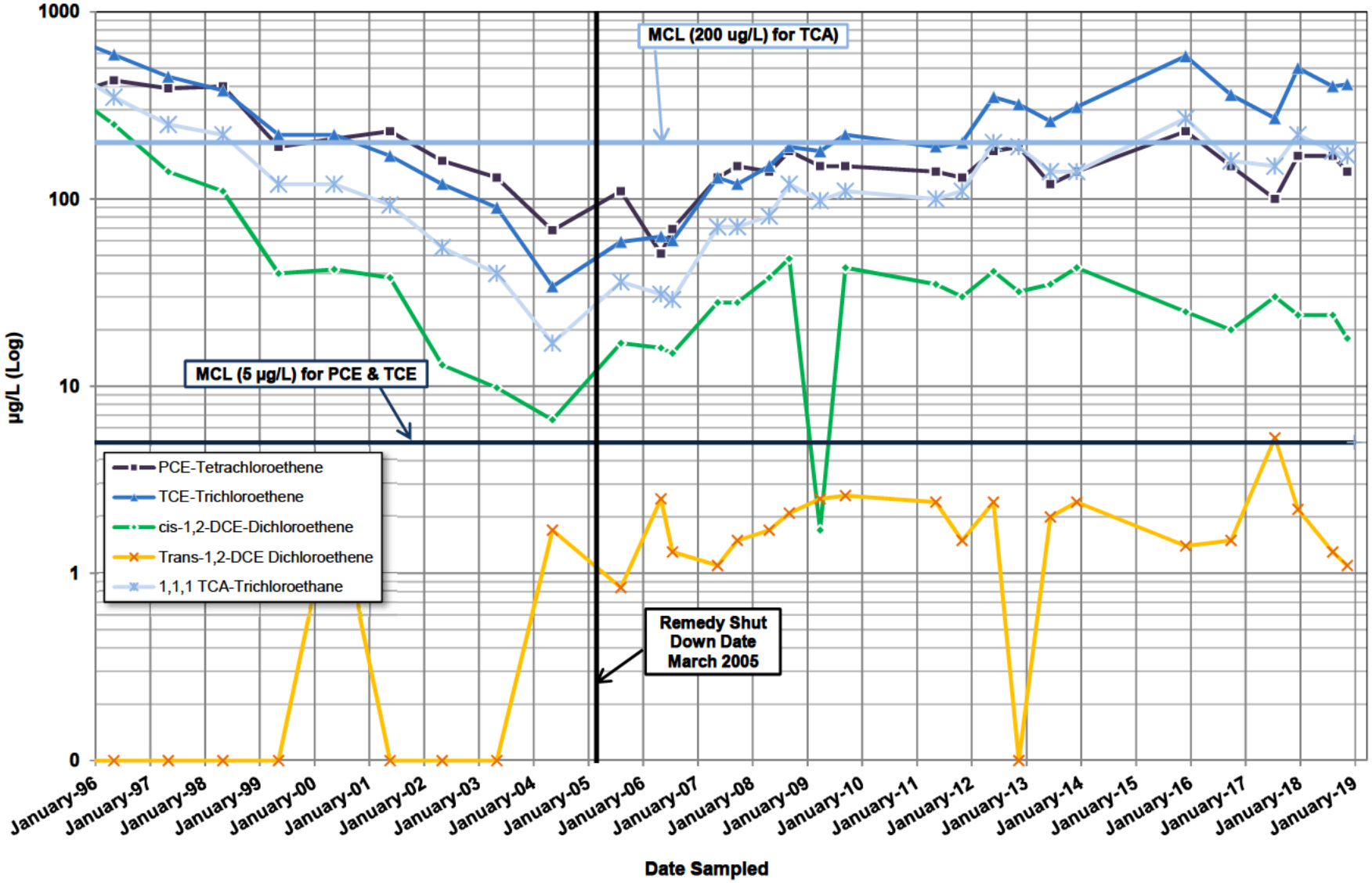


Figure 12
Well **MW-06(I)** Log VOC Concentrations vs. Time-Through August 2018
[Source Area Well]

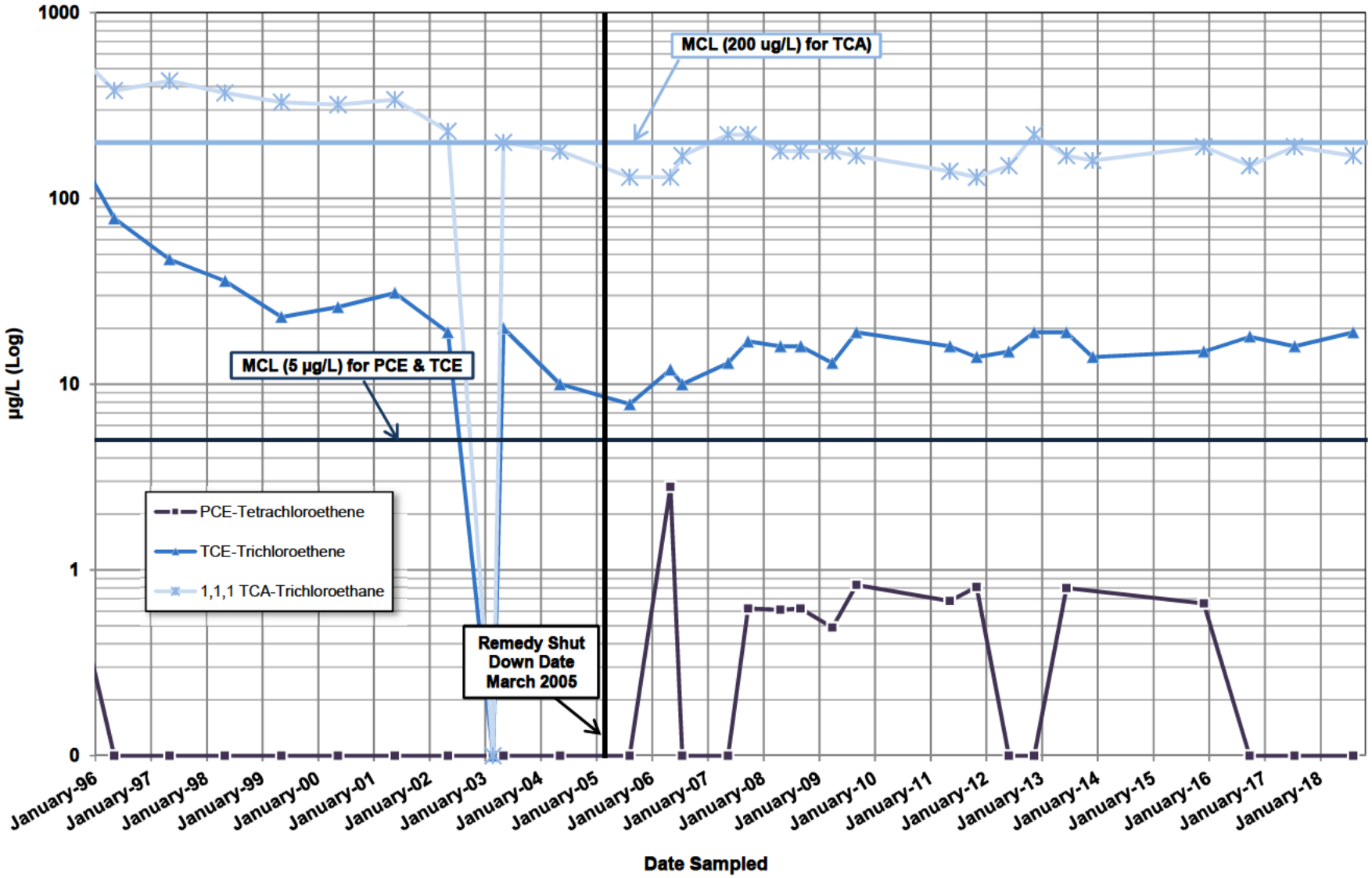
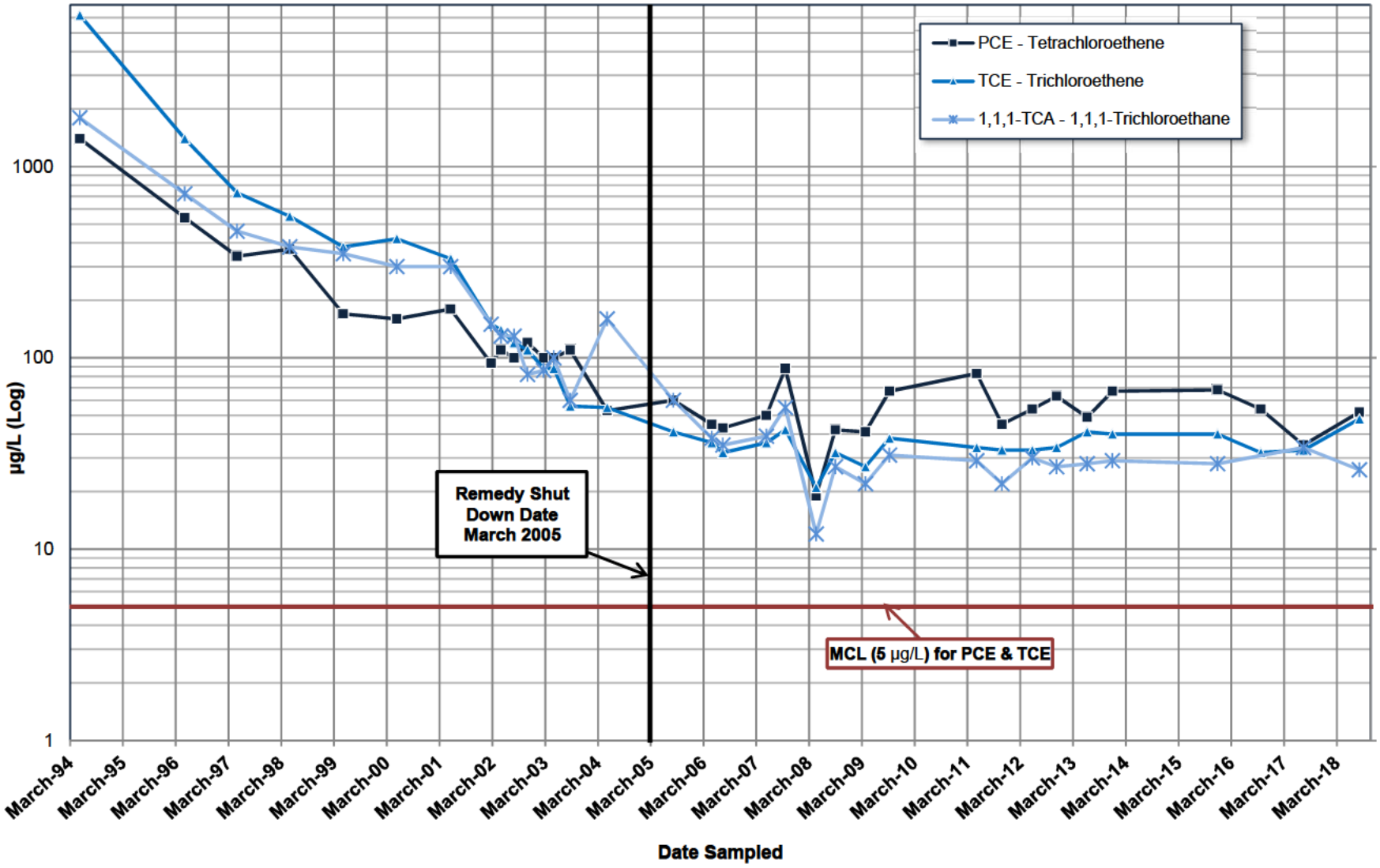


Figure 13
Well **MW-P1** Log VOC Concentrations vs. Time - Through August 2018
[Source Area Well]



APPENDIX A

Groundwater Sampling Field Logs and Stabilization Summary Table

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-01(S)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 5/8/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL: 25.5 feet to 35.5 feet	STATIC DEPTH TO WATER (feet): 32.09	TOTAL DEPTH: 35.5 feet	PURGE PUMP TYPE OR BAILER: BP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 34	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 34	PURGING INITIATED AT: 1340	PURGING ENDED AT: 1359	TOTAL VOLUME PURGED (~~gallons~~): 3.8 L	

TIME	VOLUME PURGED (~~gallons~~ L)	CUMUL. VOLUME PURGED (~~gallons~~ L)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1350	2.0	2.0	200	32.09	7.13	933	768	6.41	14.2	88.3	Brown
1353	0.6	2.6	200	32.09	7.03	925	457	6.38	14.0	76.2	—
1356	0.6	3.2	200	32.09	7.03	918	279	6.44	14.1	72.7	—
1359	0.6	3.8	200	32.09	7.05	912	181	6.45	14.0	69.9	—
1400	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: FEI	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1400	SAMPLING ENDED AT: 1405
PUMP OR TUBING DEPTH IN WELL (feet): 34	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml)	TUBING MATERIAL CODE: LDPE	

FIELD DECONTAMINATION: (Y) N — FIELD FILTERED: Y (N) — Filtration Equipment Type: _____ — FILTER SIZE: _____micron — DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-01 (S)	2	CG	40 mL	HCl	—	—	VOC 8260	BP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-02(S)**	PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 3/9/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.17 x 0.25	WELL SCREEN INTERVAL: ~~13.5 feet to 23.5~~ feet	STATIC DEPTH TO WATER (feet): 25.5	TOTAL DEPTH: ~~23.5 feet~~	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~27	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~27		PURGING INITIATED AT: 1010	PURGING ENDED AT: 1029	TOTAL VOLUME PURGED (~~gallons~~): 5.7 L

TIME	VOLUME PURGED (~~gallons~~) L	CUMUL. VOLUME PURGED (~~gallons~~) L	PURGE RATE (~~gpm~~ or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1020	3	3	300	25.79	6.99	862	6.79	1.24	14.1	457	—
1023	0.9	3.9	300	25.79	6.32	848	3.64	0.96	13.9	466	—
1026	0.9	4.8	300	25.79	6.71	833	3.09	0.89	13.9	477	—
1029	0.9	5.7	300	25.79	6.68	834	1.68	0.87	14.1	482	—
1030	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JLL PEC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1030	SAMPLING ENDED AT: 1032
PUMP OR TUBING DEPTH IN WELL (feet): ~27	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml)	TUBING MATERIAL CODE: LDPE / S	

FIELD FILTERED: Y (N) FILTER SIZE: _____micron

FIELD DECONTAMINATION: Y (N) Filtration Equipment Type: _____ DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-02 (S)	2	CG	40 mL	HCl	—	—	VOC 8260	LDPE / PP
Dup-4	3	CG	40 mL	HCl	—	—	VOC 8260	"

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-02D(I)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4	WELL SCREEN INTERVAL: 23 feet to 33 feet	STATIC DEPTH TO WATER (feet): 25.95	TOTAL DEPTH: 33 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29		PURGING INITIATED AT: 1017	PURGING ENDED AT: 1038	TOTAL VOLUME PURGED (gallons): 4.8

TIME	VOLUME PURGED (gallons) L	CUMUL. VOLUME PURGED (gallons) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1027	3.0	3.0	300	26.13	6.23	759	33.68	1.67	13.8	89.2	Clear/none
1030	0.9	3.9	300	26.14	6.24	763	18.44	1.60	14.0	89.2	"
1033	0.9	4.8	300	26.12	6.25	756	7.13	1.48	13.6	89.6	"
Sampled		1035									

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spurny PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1035	SAMPLING ENDED AT: 1038
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 300	TUBING MATERIAL CODE: LDPE	

FIELD DECONTAMINATION: Y (N) FIELD FILTERED: Y (N) FILTER SIZE: _____micron
Filtration Equipment Type: _____ DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-02D	2	CG	40 ml	HCl	—	—	8260	HDPE / PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-03(S)**		PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH		Date: 8/18/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4	WELL SCREEN INTERVAL: 7.5 feet to 17.5 feet	STATIC DEPTH TO WATER (feet): 9.25	TOTAL DEPTH: 17.5 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 13'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 13'	PURGING INITIATED AT: 1605	PURGING ENDED AT: 1624	TOTAL VOLUME PURGED (~~gallons~~) L: 4.75	

TIME	VOLUME PURGED (~~gallons~~) L	CUMUL. VOLUME PURGED (~~gallons~~) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1615	2.5	2.5	250	10.60	6.56	537	1.92	0.35	16.7	408.2	
1618	0.75	3.25	250	10.75	6.49	534	2.70	0.34	16.6	410.3	
1621	0.75	4.0	250	10.92	6.45	527	4.45	0.42	16.9	413.0	
1624	0.75	4.75	250	11.06	6.42	529	2.92	0.44	17.1	417.9	
Sampled		1625									

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW BS PEL	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1625	SAMPLING ENDED AT: 1627
PUMP OR TUBING DEPTH IN WELL (feet): 13	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 250	TUBING MATERIAL CODE: LDPE/S	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____ micron	DUPLICATE: Y (N)

SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-03 (S)	2	CG	40mL	HCl	—	—	VOC 8260	PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: MW-04DR		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/9/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4	WELL SCREEN INTERVAL: 18 feet to 28 feet	STATIC DEPTH TO WATER (feet): 21.69	TOTAL DEPTH: 28	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 0900	PURGING ENDED AT: 0920	TOTAL VOLUME PURGED (gallons): 4.0	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
0910	2.5	2.5	250	21.80	6.13	66.0	56.47	3.99	13.5	94.0	clear none
0913	0.75	3.25	250	21.81	6.11	66.1	21.66	3.97	13.5	96.4	"
0916	0.75	4.0	250	21.81	6.15	66.3	13.94	3.95	13.5	95.8	"
Sampled @ 0920											

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; **8"= 2.61**; **10"** =4.08; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spencer PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 0920	SAMPLING ENDED AT: 0925
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE: (100-500 ml/minute). (1 gallon = 3,785 ml) 250	TUBING MATERIAL CODE: LDPE	

FIELD DECONTAMINATION: Y (N)
FIELD FILTERED: Y (N) FILTER SIZE: _____micron
Filtration Equipment Type: _____
DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-04DR	2	CG	40mL	HCL	—	—	8260B	PP
MS/MSD-2	2	CG	40mL	HCL	—	—	8260B	PP

REMARKS:
MS/MSD

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-04D2(I)**	PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/9/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .170 x 0.25	WELL SCREEN INTERVAL: 35 feet to 45 feet	STATIC DEPTH TO WATER (feet) 22.86	TOTAL DEPTH: 45 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 40	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40	PURGING INITIATED AT: 856	PURGING ENDED AT: 921	TOTAL VOLUME PURGED (~~gallons~~): 7.5 L	

TIME	VOLUME PURGED (~~gallons~~)	CUMUL. VOLUME PURGED (~~gallons~~)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
906	2	3	700	22.89	7.76	237	3.55	3.58	13.4	336	—
909	0.9	2.9	300	22.89	7.19	330	2.36	3.54	13.3	366	—
912	0.9	4.8	300	22.89	6.81	678	2.90	3.60	13.4	356	—
915	0.9	5.7	300	22.89	6.85	697	0.95	4.17	13.3	356	—
918	0.9	6.6	300	22.89	6.84	713	1.37	4.27	13.4	363	—
921	0.9	7.5	300	22.89	6.85	714	1.03	4.37	13.4	368	—
922	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW PEC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 922	SAMPLING ENDED AT: 923
PUMP OR TUBING DEPTH IN WELL (feet): 40	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml) 300	TUBING MATERIAL CODE: LDPE/S	

FIELD DECONTAMINATION: Y (N) FIELD FILTERED: Y (N) FILTER SIZE: _____micron
Filtration Equipment Type: _____ DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-04D2 (I)	2	CG	40mL	HCl	—	—	VOC 8260	LDPE/S / PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-05(S)** | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 8/8/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 0.25	WELL SCREEN INTERVAL: 18 feet to 28 feet	STATIC DEPTH TO WATER (feet): 23.14	TOTAL DEPTH: 28 feet	PURGE PUMP TYPE OR BAILER: ISP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1418	PURGING ENDED AT: 1437	TOTAL VOLUME PURGED (~~gallons~~): 3.8 L

TIME	VOLUME PURGED (~~gallons~~)	CUMUL. VOLUME PURGED (~~gallons~~)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1428	2	2	200	23.10	6.90	921	440	5.06	14.0	87.0	Brown
1431	2.6	2.6	200	23.10	6.88	921	487	5.06	14.1	88.6	—
1434	0.6	3.2	200	23.10	6.88	918	443	4.99	13.9	89.4	—
1437	0.6	3.8	200	23.10	6.90	918	315	4.92	13.9	90.4	—
1440	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW BS PEC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1440	SAMPLING ENDED AT: 1442
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 200	TUBING MATERIAL CODE: LDPE	

FIELD DECONTAMINATION: O N | FIELD FILTERED: Y (N) | FILTER SIZE: _____micron | Filtration Equipment Type: _____ | DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-05 (S)	2	CG	~~40~~	HCl	—	—	VOC 8260	BP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-06(I)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/8/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170x 1/4	WELL SCREEN INTERVAL: 38 feet to 48 feet	STATIC DEPTH TO WATER (feet): 37.82	TOTAL DEPTH: 48 feet	PURGE PUMP TYPE OR BAILER: BP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 43	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43	PURGING INITIATED AT: 1020	PURGING ENDED AT: 1039	TOTAL VOLUME PURGED (gallons): 3.8 L	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1030	2	2	200	37.82	6.93	1.210	12.51	1.22	15.1	95.5	—
1033	.6	2.6	200	37.82	6.87	0.43	7.15	1.04	14.9	97.6	—
1036	.6	3.2	200	37.82	6.88	0.41	6.97	0.98	14.7	96.9	—
1039	.6	3.8	200	37.82	6.89	0.39	7.05	0.94	14.6	94.7	—
1040	Sample time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW BS PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1040	SAMPLING ENDED AT: 1041
PUMP OR TUBING DEPTH IN WELL (feet): 43	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 200	TUBING MATERIAL CODE: LDPE	
FIELD DECONTAMINATION: Y N	FIELD FILTERED: Y N FILTER SIZE: _____micron Filtration Equipment Type: _____	DUPLICATE: Y N	

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-06 (I)	2	CG	40ml	HCl	—	—	VOC 8260	
Dup-02	2	CG	40ml	HCl	—	—	VOC 8260	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-06D(D)**	PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/8/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 0.25	WELL SCREEN INTERVAL: 54.5 feet to 64.5 feet	STATIC DEPTH TO WATER (feet): 37.97	TOTAL DEPTH: 64.5 feet	PURGE PUMP TYPE OR BAILER: BP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 60	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 60	PURGING INITIATED AT: 1045	PURGING ENDED AT: 1104	TOTAL VOLUME PURGED (~~gallons~~): 2.85 L	

TIME	VOLUME PURGED (~~gallons~~)	CUMUL. VOLUME PURGED (~~gallons~~)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or µS/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1055	1.5	1.5	150	37.98	7.08	913	15.77	0.60	15.2	96.3	—
1058	.45	1.95	150	37.98	6.94	912	29.19	0.41	15.1	88.9	—
1101	.45	2.40	150	37.98	6.91	915	37.27	0.35	15.3	82.1	—
1104	.45	2.85	150	37.98	6.91	913	42.53	0.31	15.3	74.5	—
1105	Sampling Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JLB / BS / PSE	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1105	SAMPLING ENDED AT: 1106
PUMP OR TUBING DEPTH IN WELL (feet): 60	SAMPLE PUMP FLOW RATE: (100-500 ml/minute). (1 gallon = 3.785 ml)	TUBING MATERIAL CODE: LDPE	

FIELD DECONTAMINATION: (Y) N

FIELD FILTERED: Y (N) FILTER SIZE: _____micron

Filtration Equipment Type: _____

DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-06D(D)	2	CG	40ml	HCl	—	—	VOC 8260	BP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-07(S)**	PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 0.25	WELL SCREEN INTERVAL: 15 feet to 25 feet	STATIC DEPTH TO WATER (feet): 19.74	TOTAL DEPTH: 25 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 20	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 20		PURGING INITIATED AT: 1545	PURGING ENDED AT: 1604	TOTAL VOLUME PURGED (~~gallons~~): 3.6 L

TIME	VOLUME PURGED (~~gallons~~) L	CUMUL. VOLUME PURGED (~~gallons~~) L	PURGE RATE (~~gpm or~~ ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1555	0.9	0.9	300	19.78	6.95	846	0.91	3.27	15.7	215.9	—
1558	0.9	1.8	300	19.78	6.60	843	0.45	2.65	15.6	243.4	—
1601	0.9	2.7	300	19.78	6.43	846	0.61	2.34	15.6	279.0	—
1604	0.9	3.6	300	19.78	6.42	845	0.75	2.34	15.6	288.9	—
1605	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW PEC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1605	SAMPLING ENDED AT: 1607
PUMP OR TUBING DEPTH IN WELL (feet): 20	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml) 300	TUBING MATERIAL CODE: LPDE / S	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____ micron	DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-07(S)	2	CG	40mL	HCl	—	—	VOC 8260	PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-07D(I)** | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 0.170 x 1/4 | WELL SCREEN INTERVAL: 26.5 feet to 36.5 feet | STATIC DEPTH TO WATER (feet): 19.93 | TOTAL DEPTH: 36.5 feet | PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 31 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 31 | PURGING INITIATED AT: 1538 | PURGING ENDED AT: 1607 | TOTAL VOLUME PURGED (gallons): 2

TIME	VOLUME PURGED (gallons) L	CUMUL. VOLUME PURGED (gallons) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1548	2.0	2.0	200	19.95	6.55	920	4.70	0.26	17.4	84.9	
1551	0.6	2.6	200	19.95	6.34	943	2.53	0.23	17.4	81.3	
1554	0.6	3.2	200	19.95	6.28	952	1.80	0.26	17.4	79.3	
1557	0.6	3.8	200	19.95	6.25	955	0.79	0.26	17.3	79.0	
1600	0.6	4.4	200	19.95	6.22	960	0.51	0.23	17.5	77.8	
Sampled 1605											

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spurr | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 1605 | SAMPLING ENDED AT: 1607

PUMP OR TUBING DEPTH IN WELL (feet): 31 | SAMPLE PUMP FLOW RATE (100-500 ml/minute); (1 gallon = 3,785 ml): 200 | TUBING MATERIAL CODE:

FIELD FILTERED: Y (N) | FILTER SIZE: _____ micron

FIELD DECONTAMINATION: Y (N) | Filtration Equipment Type: _____ | DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-07D(I)	2	CG	40mL	HCl	NA	NA	8260B	PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-08(S)** | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 8/8/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4	WELL SCREEN INTERVAL: 29 feet to 39 feet	STATIC DEPTH TO WATER (feet): 30.00	TOTAL DEPTH: 39 feet	PURGE PUMP TYPE OR BAILER: BP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35'	PURGING INITIATED AT: 0811	PURGING ENDED AT: 0853	TOTAL VOLUME PURGED (~~gallons~~): 5.5 L

TIME	VOLUME PURGED (~~gallons~~) L	CUMUL. VOLUME PURGED (~~gallons~~) L	PURGE RATE (gpm or ~~ml/min~~)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
821	2.5	2.5	250	30.01	6.37	715	22.7	4.86	14.3	34.1	–
824	0.75	3.25	250	30.01	6.27	717	27.9	4.06	14.1	36.3	–
827	0.75	4.0	250	30.01	6.23	723	30.24	3.57	14.1	37.2	–
830	0.75	4.75	250	30.01	6.20	724	27.50	3.10	14.1	38.6	–
833	0.75	5.5	250	30.01	6.21	725	25.06	2.97	14.0	37.2	–
835	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spencer / JW PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 835	SAMPLING ENDED AT: 837
PUMP OR TUBING DEPTH IN WELL (feet): 35'	SAMPLE PUMP FLOW RATE (100-500 ml/minute), (1 gallon = 3.785 ml) 250	TUBING MATERIAL CODE: LDPE	

FIELD DECONTAMINATION: (Y) N | FIELD FILTERED: Y (N) | FILTER SIZE: _____micron | Filtration Equipment Type: _____ | DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-08 (S)	2	CG	40mL	HCl	—	—	VOC 8260	BP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-08D(I)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/8/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .170 x 0.25	WELL SCREEN INTERVAL: 43 feet to 53 feet	STATIC DEPTH TO WATER (feet): 29.84	TOTAL DEPTH: 53 feet	PURGE PUMP TYPE OR BAILER: BP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 48	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 48	PURGING INITIATED AT: 844	PURGING ENDED AT: 907	TOTAL VOLUME PURGED (~~gallons~~): 2.85 L	

TIME	VOLUME PURGED (~~gallons~~) L	CUMUL. VOLUME PURGED (~~gallons~~) L	PURGE RATE (~~gpm~~ or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
854	1.5	1.5	150	29.99	6.28	868	34.75	0.47	15.0	-18.4	—
858	0.45	1.95	150	30.00	6.27	872	26.97	0.39	14.9	-24.3	—
901	0.45	2.4	150	30.00	6.29	874	24.24	0.33	14.8	-28.3	—
903	0.45	2.85	150	30.00	6.28	873	23.66	0.31	14.7	-29.3	—
905	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW/PEL	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 905	SAMPLING ENDED AT: 907
PUMP OR TUBING DEPTH IN WELL (feet): 48	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 150	TUBING MATERIAL CODE: LPDE	

FIELD DECONTAMINATION: Y (N)

FIELD FILTERED: Y (N) FILTER SIZE: _____micron

Filtration Equipment Type: _____

DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-08D(I)	2	CG	40mL	HCl	—	—	VOC 8260	BP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-16(S)** | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 8/8/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170X 1/4	WELL SCREEN INTERVAL: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 19.55	TOTAL DEPTH: 30 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1455	PURGING ENDED AT: 1520	TOTAL VOLUME PURGED (gallons): 2L	

TIME	VOLUME PURGED (gallons) L	CUMUL. VOLUME PURGED (gallons) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1505	3.5	3.5	350	19.57	6.57	793	3.38	0.68	13.4	260.6	clear/none
1508	1.05	4.5	350	19.57	6.39	794	3.26	0.63	13.4	277.0	"
1511	1.05	5.6	350	19.57	6.24	796	2.22	0.57	13.4	297.8	"
1514	1.05	6.6	350	19.58	6.17	796	2.58	0.50	13.4	314.5	"
Sampled 1517											

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spencer REC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1517	SAMPLING ENDED AT: 1520
PUMP OR TUBING DEPTH IN WELL (feet): 2C	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml) 300	TUBING MATERIAL CODE: LDPE	

FIELD FILTERED: Y (N) FILTER SIZE: _____micron

FIELD DECONTAMINATION: Y (N) Filtration Equipment Type: _____ DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-16(S)	2	CG	40mL	HCl	—	—	8260	LDPE/SJ PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-17(I)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/3/19

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 X 0.25	WELL SCREEN INTERVAL: 38 feet to 48 feet	STATIC DEPTH TO WATER (feet): 18.45	TOTAL DEPTH: 48 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42	PURGING INITIATED AT: 1455	PURGING ENDED AT: 1514	TOTAL VOLUME PURGED (~~gallons~~): 5.76	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ~~gal/min~~)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1505	3	3	300	18.48	6.94	906	65.49	0.21	13.8	45.3	—
1508	0.9	3.9	300	18.48	6.94	905	10.89	0.14	14.2	35.3	—
1511	0.9	4.8	300	18.48	7.00	910	7.36	0.10	14.0	22.4	—
1514	0.9	5.7	300	18.48	6.97	902	4.42	0.06	14.0	15.0	—
1515	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW PEC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1515	SAMPLING ENDED AT: 1517
PUMP OR TUBING DEPTH IN WELL (feet): 42	SAMPLE PUMP FLOW RATE: (100-500 ~~ml/minute~~), (1 gallon = 3,785 ml) 300	TUBING MATERIAL CODE: LPDE / S	

FIELD FILTERED: Y (N) FILTER SIZE: _____micron

FIELD DECONTAMINATION: Y (N) Filtration Equipment Type: _____ DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-17 (I)	2	CG	40 ml	HCl	—	—	VOC 8260	PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: GSSMW-02(S) | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): 2" | TUBING DIAMETER (inches): 0.170 1/4" | WELL SCREEN INTERVAL: 17.2 feet to 27.7 feet | STATIC DEPTH TO WATER (feet): 12.67 | TOTAL DEPTH: 27.7 feet | PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 22' | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 22' | PURGING INITIATED AT: 1351 | PURGING ENDED AT: 1418 | TOTAL VOLUME PURGED (~~gallons~~): L

TIME	VOLUME PURGED (~~gallons~~) L	CUMUL. VOLUME PURGED (~~gallons~~) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1401	3.0	3.0	300	12.69	7.22	481.6	7.58	0.33	14.6	68.5	
1404	0.9	3.9	300	12.69	7.08	483.9	1.74	0.31	14.9	57.7	
1407	0.9	4.8	300	12.69	7.00	481.5	5.80	0.28	14.8	49.5	
1410	0.9	5.7	300	12.70	6.94	483.2	4.77	0.27	14.8	43.3	
1413	0.9	6.6	300	12.70	6.92	482.9	2.59	0.26	14.9	39.2	
Sampled		1415									

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spoony PEC | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 1415 | SAMPLING ENDED AT: 1418

PUMP OR TUBING DEPTH IN WELL (feet): 22' | SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml) 300 | TUBING MATERIAL CODE: LDPE

FIELD DECONTAMINATION: Y (N) | FIELD FILTERED: Y (N) | FILTER SIZE: _____micron | Filtration Equipment Type: _____ | DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-02(S)	2	CG	40 ml	HCL				

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **GSSMW-04(I)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/9/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 0.25	WELL SCREEN INTERVAL: 38 feet to 48 feet	STATIC DEPTH TO WATER (feet): 26.74	TOTAL DEPTH: 48 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 42	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 42	PURGING INITIATED AT: 745	PURGING ENDED AT: 808	TOTAL VOLUME PURGED (~~gallons~~) L: 4.8	

TIME	VOLUME PURGED (~~gallons~~) L	CUMUL. VOLUME PURGED (~~gallons~~) L	PURGE RATE (gpm or ~~ml/min~~)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or ~~uS/cm~~)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
755	3.0	3.0	300	26.74	7.13	788	2.77	0.24	14.4	11.5	—
758	0.9	3.9	300	26.74	7.07	795	2.66	0.17	14.3	6.0	—
801	0.9	4.8	300	26.74	7.04	782	1.45	0.14	14.4	2.4	
sampled 0805											

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW DS PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 0805	SAMPLING ENDED AT: 0808
PUMP OR TUBING DEPTH IN WELL (feet): 42	SAMPLE PUMP FLOW RATE: (100-500 ml/minute); (1 gallon = 3,785 ml) 300	TUBING MATERIAL CODE: LDPE / S	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) FILTER SIZE: _____micron Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-04(I)	2	CG	40mL	HCl	—	—	VOC 8260	LDPE/S / PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **GSSMW-05(I)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/8/12

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 Y 0.25	WELL SCREEN INTERVAL: 68.7 feet to 78.7 feet	STATIC DEPTH TO WATER (feet): 61.0	TOTAL DEPTH: 78.7 feet	PURGE PUMP TYPE OR BAILER: BP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 72	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 72	PURGING INITIATED AT: 1123	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1133	2	2	200	61.01	6.91	563	33.43	0.84	17.3	80.6	—
1136	0.6	2.6	200	61.01	6.70	705	19.72	2.65	16.9	67.0	—
1139	0.6	3.2	200	61.01	6.79	753	10.65	3.17	17.0	59.0	—
1142	0.6	3.8	200	61.01	6.81	763	8.45	3.32	16.9	56.6	—
1145	0.6	4.4	200	61.01	6.81	769	5.47	3.37	17.1	56.2	
1147	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW BS PEG	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1147	SAMPLING ENDED AT: 1149
PUMP OR TUBING DEPTH IN WELL (feet): 72	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml) 200	TUBING MATERIAL CODE: LDPE	

FIELD FILTERED: Y (N) FILTER SIZE: _____micron

FIELD DECONTAMINATION: (Y) N Filtration Equipment Type: _____ DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-05(I)	2	CG	40mL	HCl	—	—	VOC 8260	BP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **GSSMW-08(I)**	PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4"	WELL SCREEN INTERVAL: 28 feet to 38 feet	STATIC DEPTH TO WATER (feet): 18.97	TOTAL DEPTH: 38 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 32	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 32		PURGING INITIATED AT: 1500	PURGING ENDED AT: 1518	TOTAL VOLUME PURGED (gallons): 2.7 L

TIME	VOLUME PURGED (gallons) L	CUMUL. VOLUME PURGED (gallons) L	PURGE RATE (gpm or ~~ml/min~~)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or ~~µS/cm~~)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1510	~~0.9~~ 0.9	0.9	300	18.97	6.32	599	8.54	0.26	14.7	44.3	—
1515	0.9	1.8	300	18.97	6.29	598	3.14	0.22	14.6	43.5	—
1518	0.9	2.7	300	18.97	6.28	578	5.32	0.20	14.6	42.4	
1520	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spencer PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1520	SAMPLING ENDED AT: 1522
PUMP OR TUBING DEPTH IN WELL (feet): 32	SAMPLE PUMP FLOW RATE: (100-500 ~~ml/minute~~); (1 gallon = 3,785 ml) 300	TUBING MATERIAL CODE: LDPE / S	

FIELD DECONTAMINATION: Y (N) FIELD FILTERED: Y (N) FILTER SIZE: _____micron
Filtration Equipment Type: _____ DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-08	2	CG	40mL	HCl	—	—	VOC 8260	—

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: GSSMW-09(I)	PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH
Date: 8/7/18	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 1/4"	WELL SCREEN INTERVAL: 27 feet to 37 feet	STATIC DEPTH TO WATER (feet): 18.90	TOTAL DEPTH: 37 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 32	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 32	PURGING INITIATED AT: 1423	PURGING ENDED AT: 1453	TOTAL VOLUME PURGED (~~gallons~~) L 7.7	

TIME	VOLUME PURGED (~~gallons~~) L	CUMUL. VOLUME PURGED (~~gallons~~) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1433	3.5	3.5	350	18.92	7.00	762	10.77	0.34	16.8	58.2	
1436	1.05	4.5	350	18.92	6.94	747	6.02	0.35	16.7	49.6	
1439	1.05	5.6	350	18.92	6.88	730	10.51	0.26	16.4	42.1	
1442	1.05	6.6	350	18.92	6.86	721	5.76	0.27	16.3	39.7	
1445	1.05	7.7	350	18.92	6.84	714	2.77	0.30	16.3	38.0	
Sampled 1450											

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spury PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1450 SAMPLING ENDED AT: 1453
PUMP OR TUBING DEPTH IN WELL (feet): 32	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 350	TUBING MATERIAL CODE: LDPE
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____micron DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-09	2	CG	40mL	HCl	NA	—		
MS/MSD-1	2	CG	40mL	HCl	NA	—		

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: GSSMW-10(I) | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 0.170 x 0.25 | WELL SCREEN INTERVAL: 27 feet to 37 feet | STATIC DEPTH TO WATER (feet): 18.61 | TOTAL DEPTH: 37 feet | PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30 | PURGING INITIATED AT: 1425 | PURGING ENDED AT: 1444 | TOTAL VOLUME PURGED (gallons): 6.65

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1435	3.5	3.5	350	18.63	6.42	574	2.73	0.42	14.2	-6.8	–
1438	1.05	4.55	350	18.63	6.39	571	97.13	0.20	14.3	-12.8	–
1441	1.05	5.6	350	18.64	6.38	568	4.57	0.19	14.2	-27.7	–
1444	1.05	6.65	350	18.64	6.39	567	0.19	0.20	14.1	-33.9	–
1445	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JMW PEC | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 1445 | SAMPLING ENDED AT: 1447

PUMP OR TUBING DEPTH IN WELL (feet): 30 | SAMPLE PUMP FLOW RATE (100-500 ml/minute), (1 gallon = 3.785 ml) 350 | TUBING MATERIAL CODE: LDPE / S

FIELD DECONTAMINATION: Y (N) | FIELD FILTERED: Y (N) | FILTER SIZE: _____micron | Filtration Equipment Type: _____ | DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-10(I)	2	CG	40mL	HCl	—	—	VOC 8260	PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **GSSMW-12(D)**		PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH		Date: 8/9/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170x 1/4	WELL SCREEN INTERVAL: 77 feet to 97 feet	STATIC DEPTH TO WATER (feet): 25.08	TOTAL DEPTH: 97 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 87	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 87		PURGING INITIATED AT: 1015	PURGING ENDED AT: 1101	TOTAL VOLUME PURGED (~~gallons~~): 3.2 L

TIME	VOLUME PURGED (~~gallons~~)	CUMUL. VOLUME PURGED (~~gallons~~)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1055	2	2	200	25.10	6.67	597	0.90	1.36	14.4	521	—
1058	0.6	2.6	200	25.10	6.65	591	1.42	1.36	14.2	526	—
1101	0.6	3.2	200	25.10	6.62	594	1.54	1.31	14.3	530	—
1103	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JJ BS PEL	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1103	SAMPLING ENDED AT: 1105
PUMP OR TUBING DEPTH IN WELL (feet): 87	SAMPLE PUMP FLOW RATE: (100-500 ~~ml/minute~~), (1 gallon = 3,785 ml) 200	TUBING MATERIAL CODE: LDPE / S	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____ micron	DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-12(D)	2	CG	40mL	HCl	—	—	VOC 8260	LDPE/S/PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **GSSMW-13(D)**		PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH		Date: 8/9/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): .170 x 0.25	WELL SCREEN INTERVAL: 73.5 feet to 93.5 feet	STATIC DEPTH TO WATER (feet): 22.09	TOTAL DEPTH: 93.5 feet	PURGE PUMP TYPE OR BAILER: PT
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 83	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 83	PURGING INITIATED AT: 935	PURGING ENDED AT: 1000	TOTAL VOLUME PURGED (gallons): 5.7	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
0945	3.0	3.0	300	22.13	6.33	784	15.69	0.83	13.8	7.7	clear / none
0948	0.9	3.9	300	22.13	6.32	786	7.22	0.62	14.0	-5.6	
0951	0.9	4.8	300	22.13	6.34	791	6.35	0.49	14.1	-18.4	
0954	0.9	5.7	300	22.13	6.37	798	3.78	0.43	14.1	-25.2	
Sampled		0957									

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spencer PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 0957	SAMPLING ENDED AT: 1000
PUMP OR TUBING DEPTH IN WELL (feet): 83	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml) 300	TUBING MATERIAL CODE: LDPE	

FIELD DECONTAMINATION: Y (N)

FIELD FILTERED: Y (N) FILTER SIZE: _____micron

Filtration Equipment Type: _____

DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-13(D)	2	CG	40mL	HCL	—	—	8260	PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: GSSMW-14(D) | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 0.170x 1/4" | WELL SCREEN INTERVAL: 84 feet to 94 feet | STATIC DEPTH TO WATER (feet): 8.87 | TOTAL DEPTH: 94 feet | PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~90' | FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~90' | PURGING INITIATED AT: 1019 | PURGING ENDED AT: 1113 | TOTAL VOLUME PURGED (gallons): 16.0

TIME	VOLUME PURGED (gallons) L	CUMUL VOLUME PURGED (gallons) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1035	5.6	5.6	350	8.92	6.64	63.5	52.06	0.58	14.6	121.3	
1038	1.05	6.6	350	8.92	6.41	64.5	54.88	0.43	14.6	125.5	
1041	1.05	7.7	350	8.92	6.34	64.2	50.16	0.38	14.6	126.7	
1044	1.05	8.7	350	8.92	6.23	65.5	51.52	0.33	14.4	125.1	
1047	1.05	9.8	350	8.92	6.21	67.0	46.56	0.29	14.8	123.6	
1050	1.05	10.8	350	8.92	6.19	69.5	50.02	0.30	14.8	122.4	
1053	1.05	11.9	350	8.92	6.18	69.6	48.31	0.31	14.5	120.8	
1056	1.05	12.9	350	8.92	6.17	75.2	41.56	0.30	14.7	119.1	
1059	1.05	13.9	350	8.92	6.18	78.2	37.63	0.30	14.5	118.4	
1102	1.05	15.0	350	8.92	6.18	78.2	37.50	0.33	14.7	117.9	
1105	1.05	16.0	350	8.92	6.20	79.0	36.20	0.31	14.4	116.8	
Sampled 1110											

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spurny / PEC | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 1110 | SAMPLING ENDED AT: 1113

PUMP OR TUBING DEPTH IN WELL (feet): ~90' | SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml) 350 | TUBING MATERIAL CODE: LDPE

FIELD DECONTAMINATION: Y (N) | FIELD FILTERED: Y (N) | Filtration Equipment Type: _____ | FILTER SIZE: _____ micron | DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-14(D)								

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **GSSMW-15(I)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/8/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 0.25	WELL SCREEN INTERVAL: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 21.70	TOTAL DEPTH: 34 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29	PURGING INITIATED AT: 1537	PURGING ENDED AT: 1553	TOTAL VOLUME PURGED (gallons): 5.6 L	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1547	3.5	3.5	350	21.71	6.74	796	3.16	2.17	14.5	363	—
1550	1.05	4.55	350	21.71	6.33	794	1.49	2.06	14.7	378	—
1553	1.05	5.6	350	21.71	6.25	796	1.63	2.01	14.9	387	
1555	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW/BS PEE	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1555	SAMPLING ENDED AT: 1557
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE: (100-500 ml/min Max), (1 gallon = 3,785 ml) 350	TUBING MATERIAL CODE: LDPE / S	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____ micron	DUPLICATE: (Y) (N) N/A

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-15(I)	2	CG	40mL	HCl	—	—	VOC 8260	PP
~~Dup-3~~	~~2~~	~~CG~~	~~40mL~~	~~HCl~~	~~—~~	~~—~~	~~VOC 8260~~	~~PP~~

JW

REMARKS: * NO DUPLICATE

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-P1(S)** | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 8/9/18

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 0.170 x 0.25 | WELL SCREEN INTERVAL: 21 feet to 31 feet | STATIC DEPTH TO WATER (feet): 25.54 | TOTAL DEPTH: 31 feet | PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 28 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28 | PURGING INITIATED AT: 823 | PURGING ENDED AT: 837 | TOTAL VOLUME PURGED (~~gallons~~): 4.8 L

TIME	VOLUME PURGED ~~(gallons)~~ L	CUMUL. VOLUME PURGED ~~(gallons)~~ L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or ~~µS/cm~~)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
833	3.0	3.0	300	25.59	6.38	750	1.45	5.85	13.6	71.9	—
836	0.9	3.9	300	25.59	6.37	748	0.47	5.74	13.4	72.8	—
839	0.9	4.8	300	25.59	6.40	750	0.29	5.72	13.4	73.0	—
840	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW BS PEC | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 840 | SAMPLING ENDED AT: 842

PUMP OR TUBING DEPTH IN WELL (feet): 28 | SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 300 | TUBING MATERIAL CODE: LDPE / S

FIELD FILTERED: Y (N) | FILTER SIZE: _____ micron

FIELD DECONTAMINATION: Y (N) | Filtration Equipment Type: _____ | DUPLICATE: (Y) N

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-P1 (S)	2	CG	40mL	HCl	—	—	VOC 8260	LDPE/S/PP
DUP-3	2	CG	40mL	HCl	—	—	VOC 8260	LDPE/S/PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: GSS-P2(D) | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 0.170 x 0.25 | WELL SCREEN INTERVAL: 41.5 feet to 61.5 feet | STATIC DEPTH TO WATER (feet): 15.48 | TOTAL DEPTH: 61.5 feet | PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~51 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~51 | PURGING INITIATED AT: 1355 | PURGING ENDED AT: 1411 | TOTAL VOLUME PURGED (~~gallons~~): 5.6 L

TIME	VOLUME PURGED L (~~gallons~~)	CUMUL. VOLUME PURGED L (~~gallons~~)	PURGE RATE (~~gpm or~~ ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1405	3.5	3.5	350	15.51	6.99	40.8	8.15	3.61	14.8	127.5	—
1409	1.05	4.055	350	15.51	7.23	41.0	2.06	3.58	14.8	115.5	
1411	1.05	5.6	350	15.51	7.38	41.5	2.98	3.50	14.9	108.0	
1413	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW PEC | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 1413 | SAMPLING ENDED AT: 1415

PUMP OR TUBING DEPTH IN WELL (feet): ~51 | SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 350 | TUBING MATERIAL CODE: LDPE / S

FIELD DECONTAMINATION: Y (N) | FIELD FILTERED: Y (N) | FILTER SIZE: _____micron | Filtration Equipment Type: _____ | DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSS-P2(D)	2	CG	40mL	HCl	—	—	VOC 8260	PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: GSS-P3(D)		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170x 1/4"	WELL SCREEN INTERVAL: 55 feet to 65 feet	STATIC DEPTH TO WATER (feet): 7.83	TOTAL DEPTH: 65 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 60'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 60'	PURGING INITIATED AT: 1130	PURGING ENDED AT: 1149	TOTAL VOLUME PURGED (~~gallons~~): 5.6 L	

TIME	VOLUME PURGED (~~gallons~~) L	CUMUL. VOLUME PURGED (~~gallons~~) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or ~~uS/cm~~)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (~~mg/L~~ or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1140	3.5	3.5	350	7.87	6.62	262	2.99	0.76	14.4	192.3	—
1143	1.05	4.55	350	7.87	6.59	263	1.74	0.81	14.5	205.9	—
1146	1.05	5.6	350	7.87	6.57	265	1.75	0.79	14.6	213.1	—
1148	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW BS	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1148	SAMPLING ENDED AT: 1149
PUMP OR TUBING DEPTH IN WELL (feet): 60'	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml) 350	TUBING MATERIAL CODE: LDPE / S	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____micron	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSS-P3 (D)	2	CG	40mL	HCl	—	—	VOC 8260	PT

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **PW-01(D)**	PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): PW	TUBING DIAMETER (inches): .170 x 0.25	WELL SCREEN INTERVAL: 75 feet to 95 feet	STATIC DEPTH TO WATER (feet): 11.01	TOTAL DEPTH: 95 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~80	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 80	PURGING INITIATED AT: 1056	PURGING ENDED AT: 1119	TOTAL VOLUME PURGED (gallons): 6.65 L	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1106	3.5	3.5	350	*	5.77	158.5	45.45	0.29	14.8	145.2	—
1109	1.05	4.55	350	*	7.09	158.5	37.22	0.18	14.9	110.0	—
1112	1.05	5.6	350	*	7.48	157.2	23.28	0.14	14.8	89.3	—
1115	1.05	6.65	350	*	7.72	157.8	22.17	0.16	15.0	71.7	—
1117	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1117	SAMPLING ENDED AT: 1119
PUMP OR TUBING DEPTH IN WELL (feet): ~80	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 250 ml/m	TUBING MATERIAL CODE: LDPE / S	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: _____micron	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
PW-01D	2	CG	40mL	HCL	—	—	VOC 8260	PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **PW-02(D)**	PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH
Date: 8/7/18	

PURGING DATA

WELL DIAMETER (inches): PW	TUBING DIAMETER (inches): .170 x 0.25	WELL SCREEN INTERVAL: 67 feet to 93 feet	STATIC DEPTH TO WATER (feet): 12.92	TOTAL DEPTH: 93 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~75	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~75	PURGING INITIATED AT: ~~912~~ 935	PURGING ENDED AT: 957	TOTAL VOLUME PURGED ~~(gallons)~~ L: 7.7	

TIME	VOLUME PURGED (gallons) L	CUMUL. VOLUME PURGED (gallons) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
945	3500	3500	~~350~~	*	6.96	724	11.82	1.90	18.5	115	—
948	~~350~~ 1.05	~~3850~~ 4.5	350	*	6.87	705	10.36	1.87	17.5	114.5	—
951	~~350~~ 1.05	4200 5.6	350	*	6.79	714	11.90	1.82	17.8	114.1	—
954	~~350~~ 1.05	4550 6.4	350	*	6.77	714	13.60	1.78	17.9	112.1	—
957	~~350~~ 1.05	4900 7.7	350	*	6.75	717	12.12	1.73	18.3	111.5	
1000	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: JW/BS PEC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1000 SAMPLING ENDED AT: 1002
PUMP OR TUBING DEPTH IN WELL (feet): ~75	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml)	TUBING MATERIAL CODE: LDPE/S
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) FILTER SIZE: _____micron Filtration Equipment Type: _____	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
PW-02D	2	CG	40mL	HCl	—	—	VOC 8260	PP

REMARKS: * Probe won't fit next to tubing

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.
pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **PW-03A(D)**	PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH — Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): PW	TUBING DIAMETER (inches): 0.170 x 0.25	WELL SCREEN INTERVAL: 46-61 feet AND 71-91 fe	STATIC DEPTH TO WATER (feet): 24.20	TOTAL DEPTH: 91 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~55	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 55		PURGING INITIATED AT: 1319 ~~1345~~	PURGING ENDED AT: 1338	TOTAL VOLUME PURGED (~~gallons~~): 5.7 L

TIME	VOLUME PURGED (~~gallons~~) L	CUMUL. VOLUME PURGED (~~gallons~~) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1329	3	3	300	*	6.91	734	21.78	0.37	17.4	42.6	—
1332	0.9	3.9	300	*	6.82	730	26.78	0.34	17.0	15.1	—
1335	0.9	4.8	300	*	6.76	726	23.91	0.32	16.8	-5.1	—
1338	0.9	5.7	300	*	6.76	729	25.18	0.28	17.1	-17.9	—
1340	Sample Time										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BS/JW PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1340	SAMPLING ENDED AT: 1341
PUMP OR TUBING DEPTH IN WELL (feet): 55	SAMPLE PUMP FLOW RATE: (100-500 ml/minute); (1 gallon = 3,785 ml) 300	TUBING MATERIAL CODE: LDPE / S	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____ micron	DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
PW-03A(D)	2	CG	40mL	HCl	—	—	VOC 8260	

REMARKS: * Too Small casing

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND.

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **PW-04(D)** | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 8/7/18

PURGING DATA

WELL DIAMETER (inches): PW	TUBING DIAMETER (inches): 0.170" 1/4"	WELL SCREEN INTERVAL: 65 feet to 92 feet	STATIC DEPTH TO WATER (feet): 12.12	TOTAL DEPTH: 92 feet	PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): ~80	FINAL PUMP OR TUBING DEPTH IN WELL (feet): ~80	PURGING INITIATED AT: 804	PURGING ENDED AT: 833	TOTAL VOLUME PURGED (gallons): ~7100 mL

TIME	VOLUME PURGED mL ~~(gallons)~~	CUMUL. VOLUME PURGED mL ~~(gallons)~~	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/l or % saturation)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
816	3600	3600	300 mL	*	6.94	493.3	14.36	2.60	15.3	95.5	—
819	~~3400~~ 3200	900	300	*	6.98	492.3	12.29	2.44	15.3	95.0	—
822	~~4200~~ 5300	900	300	*	7.02	492.5	11.65	2.35	15.2	94.6	—
825	6200	900	300	*	7.08	492.4	11.78	2.34	15.1	93.3	—
828	7100	900	300	*	7.12	492.4	11.78	2.25	15.2	91.6	—
830	Sample time for Dup-1										
831	Sample time for PW-04(D)										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: BS/JW PEL	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 830	SAMPLING ENDED AT: 833
PUMP OR TUBING DEPTH IN WELL (feet): ~80	SAMPLE PUMP FLOW RATE: 300 mL/minute (100-500 ml/minute), (1 gallon = 3.785 ml)	TUBING MATERIAL CODE: LDPE / S	

FIELD DECONTAMINATION: Y (N) | FIELD FILTERED: Y (N) Filtration Equipment Type: _____ | FILTER SIZE: _____ micron | DUPLICATE: (Y) N

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
PW-04(D)	2	CG	40 mL	HCl	—	—	VOC 8260	PP
Dup-1	2	CG	40 mL	HCl	—	—	VOC 8260	PP

REMARKS: * Well not wide enough for tubing & W/L Probe
Dup-1

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS; THREE PARAMETERS ARE REQUIRED, ONE MUST BE SP. COND

pH: ± 0.1 units, Temperature: ± 0.5 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

If above can't be attained then: Dissolved Oxygen: ± 0.2 mg/l or ± 10% (whichever is greater), Turbidity: ± 5 NTU or ± 10% (whichever if greater)

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-02(S)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 11/14/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4	WELL SCREEN INTERVAL: 13.5 feet to 23.5 feet	STATIC DEPTH TO WATER (feet): 23.53	TOTAL DEPTH: 23.5 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25'	PURGING INITIATED AT: 1516	PURGING ENDED AT: 1540	TOTAL VOLUME PURGED (gallons): 3.8	

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1526	2.0	2.0	200	23.60	7.33	671	1.85	0.69	9.7	435.0	clear / none
1529	2.0	2.6	200	23.60	7.31	677	1.46	0.67	10.3	433.2	" "
1532	0.6	3.2	200	23.60	7.34	670	0.88	0.68	10.1	431.2	" "
1535	0.6	3.8	200	23.60	7.33	662	0.48	0.70	9.9	429.5	" "
1538	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: [illegible] PEC	SAMPLER(S) SIGNATURES: [illegible]	SAMPLING INITIATED AT: 1530	SAMPLING ENDED AT: 1540
PUMP OR TUBING DEPTH IN WELL (feet): 25'	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 200	TUBING MATERIAL CODE: PE	

FIELD DECONTAMINATION: Y (N)

FIELD FILTERED: Y (N) FILTER SIZE: _____micron

Filtration Equipment Type: _____

DUPLICATE: (Y) N

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-02(S)	2	CG	40mL	HCl	—	—	8260	PP, PE
Duplicate -1	2	CG	40mL	HCl	—	—	8260	PP, PE
MS/MSD -1	2	CG	40mL	HCl	—	—	8260	PP, PE

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS

pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-02D(I)** | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 11/14/18

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 0.170 x 1/4 | WELL SCREEN INTERVAL: 23 feet to 33 feet | STATIC DEPTH TO WATER (feet): 23.97 | TOTAL DEPTH: 33 feet | PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 30' | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 30' | PURGING INITIATED AT: 1549 | PURGING ENDED AT: 1612 | TOTAL VOLUME PURGED (gallons): 3.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1559	2.0	2.0	200	23.98	7.41	0.09	1.80	2.38	10.4	421.7	clear / none
1602	0.6	2.6	200	23.98	7.39	0.11	1.58	3.27	10.5	421.2	" "
1605	0.6	3.2	200	23.98	7.41	0.12	1.40	2.23	10.5	421.1	" "
1608	0.6	3.8	200	23.98	7.39	0.14	0.00	2.23	10.7	420.8	" "
1610	SAMPLE										

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; **8"= 2.61**; **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spaney PEC | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 1608 | SAMPLING ENDED AT: 1612

PUMP OR TUBING DEPTH IN WELL (feet): 30' | SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 200 | TUBING MATERIAL CODE: PE

FIELD DECONTAMINATION: Y (N) | FIELD FILTERED: Y (N) | FILTER SIZE: _____ micron | Filtration Equipment Type: _____ | DUPLICATE: (Y) N

SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-02D(I)	2	CG	40mL	HCl	—	—	PE, PP 2260	
Duplicate-2	2	CG	40mL	HCl	—	—	PE, PP 2260	

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS

pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-04DR(S)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 11/14/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4	WELL SCREEN INTERVAL: 13 feet to 23 feet	STATIC DEPTH TO WATER (feet): 19.19	TOTAL DEPTH: 23 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 18	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 18'	PURGING INITIATED AT: 1323	PURGING ENDED AT: 1346	TOTAL VOLUME PURGED (gallons): < 3.8	

TIME	VOLUME PURGED (gallons) <	CUMUL. VOLUME PURGED (gallons) <	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1333	2.0	2.0	200	19.19	7.37	534	0.41	4.47	12.9	148 418.5	clear / none
1336	0.6	2.6	200	19.20	7.34	537	0.93	4.43	13.2	417.5	" "
1339	0.6	3.2	200	19.22	7.31	537	3.11	4.57	13.2	416.3	" "
1342	0.6	3.8	200	19.22	7.32	537	0.01	4.64	13.2	415.4	" "
1345	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spears PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1343	SAMPLING ENDED AT: 1346
PUMP OR TUBING DEPTH IN WELL (feet): 18'	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3.785 ml)	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____ micron	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-04DR(S)	2	CG	40 mL	HCl	–	–	8260B	PP, PE

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS

pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-04D2(I)**		PROJECT NO: P2347
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 11/14/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL: 35 feet to 45 feet	STATIC DEPTH TO WATER (feet): 20.76	TOTAL DEPTH: 45 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 40'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 40'	PURGING INITIATED AT: 1347	PURGING ENDED AT: 1425	TOTAL VOLUME PURGED (gallons): 6.8 L	

TIME	VOLUME PURGED (gallons) L	CUMUL. VOLUME PURGED (gallons) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1357	2.0	2.0	200	20.78	7.73	121.9	10.98	7.69	11.3	451.9	clear none
1400	0.6	2.6	200	20.78	7.63	122.9	11.93	7.60	11.2	453.8	" "
1403	0.6	3.2	200	20.79	7.59	136.2	8.78	7.15	11.4	447.7	" "
1406	0.6	3.8	200	20.79	7.52	134.5	4.81	7.08	11.4	439.2	" "
1409	0.6	4.4	200	20.79	7.44	267.3	4.41	6.04	11.4	432.0	" "
1412	0.6	5.0	200	20.79	7.37	474.4	1.21	4.04	11.2	426.1	" "
1415	0.6	5.6	200	20.79	7.43	516	0.08	3.50	11.5	422.4	" "
1418	0.6	6.2	200	20.79	7.46	525	0.09	3.38	11.4	422.1	" "
1421	0.6	6.8	200	20.79	7.46	531	2.76	3.32	11.3	421.9	" "
1423	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Sawin PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1422	SAMPLING ENDED AT: 1425
PUMP OR TUBING DEPTH IN WELL (feet): 40'	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml)	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____micron	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-04D2(I)	2	CG	40mL	HCl	—	—	8260B	PP, PE

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS.
pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-07D(I)** | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 11/14/18

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 0.170 x 1/4 | WELL SCREEN INTERVAL: 26.5 feet to 36.5 feet | STATIC DEPTH TO WATER (feet): 17.73 | TOTAL DEPTH: 36.5 feet | PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 32' | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 32' | PURGING INITIATED AT: 1053 | PURGING ENDED AT: 1122 | TOTAL VOLUME PURGED (gallons): 5.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1103	2.0	2.0	200	17.74	7.37	828	2.39	0.68	12.5	334.6	clear / none
1106	0.6	2.6	200	17.74	7.52	853	0.79	0.58	12.0	333.8	" "
1109	0.6	3.2	200	17.74	7.37	833	0.53	0.51	12.4	332.1	" "
1112	0.6	3.8	200	17.74	7.35	839	0.0	0.47	12.2	331.3	" "
1115	0.6	4.4	200	17.74	7.27	853	0.0	0.44	12.3	330.4	" "
1118	0.6	5.0	200	17.74	7.32	854	0.0	0.42	12.0	330.9	" "
1120	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spurny PEC | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 1119 | SAMPLING ENDED AT: 1122

PUMP OR TUBING DEPTH IN WELL (feet): 32' | SAMPLE PUMP FLOW RATE (100-500 ml/minute); (1 gallon = 3.785 ml): 200 | TUBING MATERIAL CODE: PE

FIELD FILTERED: Y (N) | FILTER SIZE: _____ micron

FIELD DECONTAMINATION: Y (N) | Filtration Equipment Type: _____ | DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-07D(I)	2	CG	40 mL	HCl	—	—	8260B	PE, PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS
pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-08(S)**		PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH		Date: 11/13/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4	WELL SCREEN INTERVAL: 29 feet to 39 feet	STATIC DEPTH TO WATER (feet): 27.82	TOTAL DEPTH: 39 feet	PURGE PUMP TYPE OR BAILER: BP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 35'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 35'		PURGING INITIATED AT: 1343	PURGING ENDED AT: 1407	TOTAL VOLUME PURGED (gallons) 4.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1353	2.50	2.5	250	27.82	7.22	618	3.71	3.67	12.2	161.9	clear none
1356	0.75	3.25	250	27.82	7.19	621	3.19	3.49	12.2	160.8	"
1359	0.75	4.00	250	27.82	7.17	623	0.77	3.32	12.2	160.2	"
1402	0.75	4.75	250	27.82	7.16	626	0.64	3.17	12.3	160.0	"
1405	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spencer / PEC	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1401	SAMPLING ENDED AT: 1407
PUMP OR TUBING DEPTH IN WELL (feet): 35'	SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 250	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) FILTER SIZE: _____micron Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-08(S)	2	CG	40 mL	HCl	—	—	8260B	BP / PE

REMARKS:
Bladder Pump.

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS
pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-16(S)** | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 11/13/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL: 20 feet to 30 feet	STATIC DEPTH TO WATER (feet): 16.38	TOTAL DEPTH: 30 feet	PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 25	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 25	PURGING INITIATED AT: 1512	PURGING ENDED AT: 1535	TOTAL VOLUME PURGED (gallons) 3.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ~~ml/min~~)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1522	2.0	2.0	200	16.39	7.33	706	3.53	0.38	12.2	218.4	clear / none
1525	0.6	2.6	200	16.39	7.34	708	5.22	0.36	12.4	216.0	" "
1528	0.6	3.2	200	16.39	7.32	706	2.88	0.35	12.3	214.9	" "
1531	0.6	3.8	200	16.39	7.32	706	2.64	0.36	12.3	214.7	" "
1534	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spencer PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1532	SAMPLING ENDED AT: 1535
PUMP OR TUBING DEPTH IN WELL (feet): 25	SAMPLE PUMP FLOW RATE: (100-500 ml/minute); (1 gallon = 3.785 ml) 200	TUBING MATERIAL CODE: PE	

FIELD DECONTAMINATION: Y (N) | FIELD FILTERED: Y (N (O) | FILTER SIZE: _____micron | Filtration Equipment Type: _____ | DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-16(S)	2	CG	40mL	HCl	—	—	8260B	PP, PE

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS

pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **MW-17(I)**	PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 11/13/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4	WELL SCREEN INTERVAL: 38 feet to 48 feet	STATIC DEPTH TO WATER (feet): 16.22	TOTAL DEPTH: 48 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 43	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 43		PURGING INITIATED AT: 1542	PURGING ENDED AT: 1605	TOTAL VOLUME PURGED (gallons): 3.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1652	2.0	2.0	200	16.25	7.38	721	0.37	0.30	11.7	158.7	clear / none
1655	0.6	2.6	200	16.25	7.37	718	0.00	0.27	11.6	143.0	" "
1658	0.6	3.2	200	16.25	7.34	719	0.00	0.27	11.8	137.7	" "
1601	0.6	4.8	200	16.25	7.36	717	0.00	0.26	11.6	133.0	" "
1603	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Sperry PEL	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1602	SAMPLING ENDED AT: 1605
PUMP OR TUBING DEPTH IN WELL (feet): 43	SAMPLE PUMP FLOW RATE: 200 (100-500 ml/minute), (1 gallon = 3,785 ml)	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____micron	DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
MW-17(I)	2	CG	40	HCl	—	—	8260B	PP, PE

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS
pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: GSSMW-08(I)	PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 11/13/12

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4"	WELL SCREEN INTERVAL: 28 feet to 38 feet	STATIC DEPTH TO WATER (feet): 16.65	TOTAL DEPTH: 38 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 33'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 33'	PURGING INITIATED AT: 1419	PURGING ENDED AT: 1442	TOTAL VOLUME PURGED (gallons): 3.8 L	

TIME	VOLUME PURGED (gallons) L	CUMUL. VOLUME PURGED (gallons) L	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1424	2.0	2.0	200	16.65	7.33	479.2	1.16	0.42	12.2	197.1	clear none
1432	0.6	2.6	200	16.65	7.34	494.8	0.0	0.43	12.2	191.4	" "
1435	0.6	3.2	200	16.65	7.36	491.1	0.0	0.53	11.7	191.3	" "
1438	0.6	3.8	200	16.65	7.34	455.1	0.0	0.51	11.7	194.2	" "
1440	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: David Spaw / PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1439	SAMPLING ENDED AT: 1442
PUMP OR TUBING DEPTH IN WELL (feet): 33'	SAMPLE PUMP FLOW RATE: 200 (100-500 ml/minute), (1 gallon = 3.785 ml)	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) FILTER SIZE: _____micron Filtration Equipment Type: _____	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-08(I)	2	CG	40 mL	HCl	—	—	8260B	PE, PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS

pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **GSSMW-09(I)** | PROJECT NO: P2347

SITE NAME: GRANVILLE SOLVENTS | SITE LOCATION: GRANVILLE, OH | Date: 11/14/18

PURGING DATA

WELL DIAMETER (inches): 2 | TUBING DIAMETER (inches): 0.170 x 1/4 | WELL SCREEN INTERVAL: 27 feet to 37 feet | STATIC DEPTH TO WATER (feet): 16.64 | TOTAL DEPTH: 37 feet | PURGE PUMP TYPE OR BAILER: PP

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 32' | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 32' | PURGING INITIATED AT: 0900 | PURGING ENDED AT: 0923 | TOTAL VOLUME PURGED (gallons): 3.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
0910	2.0	2.0	200	16.64	7.33	475.2	6.22	0.72	13.1	163.1	clear / none
0913	0.6	2.6	200	16.64	7.31	470.7	6.01	0.50	12.9	138.3	" "
0916	0.6	3.2	200	16.64	7.32	470.8	2.22	0.42	13.1	121.5	" "
0919	0.6	3.8	200	16.64	7.32	466.0	3.23	0.38	12.9	105.4	" "
0922	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spaw / PEC | SAMPLER(S) SIGNATURES: [signature] | SAMPLING INITIATED AT: 0920 | SAMPLING ENDED AT: 0923

PUMP OR TUBING DEPTH IN WELL (feet): 32' | SAMPLE PUMP FLOW RATE: (100-500 ml/minute), (1 gallon = 3,785 ml) 200 | TUBING MATERIAL CODE: PE

FIELD DECONTAMINATION: Y (N) | FIELD FILTERED: Y (N) | Filtration Equipment Type: _____ | FILTER SIZE: _____micron | DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-09(I)	2	CG	40 mL	HCl	–	–	8260B	PP, PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS
pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv
Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **GSSMW-12(D)**	PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 11/14/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL: 77 feet to 97 feet	STATIC DEPTH TO WATER (feet): 22.97	TOTAL DEPTH: 97 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 87	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 87		PURGING INITIATED AT: 1446	PURGING ENDED AT: 1509	TOTAL VOLUME PURGED (gallons): 4.75

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1456	2.5	2.5	250	22.97	7.14	485.2	1.13	3.59	9.8	430.8	Clear / none
1459	0.75	3.25	250	22.97	7.09	482.2	1.02	3.44	9.9	432.5	" "
1502	0.75	4.0	250	22.97	7.08	482.9	1.09	3.40	9.9	433.6	" "
1505	0.75	4.75	250	22.98	7.07	483.8	1.12	3.41	9.8	434.5	" "
1507	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spencer PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1506	SAMPLING ENDED AT: 1509
PUMP OR TUBING DEPTH IN WELL (feet): 87	SAMPLE PUMP FLOW RATE: (100-500 ml/minute). (1 gallon = 3,785 ml) 250	TUBING MATERIAL CODE: PE	

FIELD DECONTAMINATION: Y (N)

FIELD FILTERED: Y (N) FILTER SIZE: _____micron

Filtration Equipment Type: _____

DUPLICATE: Y (N)

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# of CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-12(D)	2	CG	40mL	HCl	—	—	8260B	PP, PE

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS

pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

Only 3 sets of readings must meet stabilization criteria.

PROGRESSIVE
ENGINEERING & CONSTRUCTION, INC.

GROUNDWATER SAMPLING LOG

WELL NO: **GSSMW-15(I)**	PROJECT NO: P2347	
SITE NAME: GRANVILLE SOLVENTS	SITE LOCATION: GRANVILLE, OH	Date: 11/13/18

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.170 x 1/4	WELL SCREEN INTERVAL: 24 feet to 34 feet	STATIC DEPTH TO WATER (feet): 19.53	TOTAL DEPTH: 34 feet	PURGE PUMP TYPE OR BAILER: PP
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 29	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 29		PURGING INITIATED AT: 1615	PURGING ENDED AT: 1637	TOTAL VOLUME PURGED (gallons): 3.8

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm or ml/min)	DEPTH TO WATER (feet)	pH (standard units)	COND. (mS/cm or us/cm)	TURBIDITY (NTUs)	DISSOLVED OXYGEN (mg/L)	TEMP (°C)	ORP (mV)	COLOR/ ODOR (describe)
1625	2.0	2.0	200	19.53	7.38	732	0.42	0.57	12.6	166.3	clear / none
1628	0.6	2.6	200	19.55	7.36	732	0.01	0.58	12.4	165.9	" "
1631	0.6	3.2	200	19.53	7.36	731	0.00	0.54	12.4	165.7	" "
1634	0.6	3.8	200	19.53	7.35	734	0.00	0.53	12.6	165.7	" "
1636	SAMPLE										

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; **8"= 2.61;** **10"** =4.08; **12"** = 5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **.170"** = 0.0012; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Brad Spence PEC	SAMPLER(S) SIGNATURES:	SAMPLING INITIATED AT: 1635	SAMPLING ENDED AT: 1637
PUMP OR TUBING DEPTH IN WELL (feet): 29	SAMPLE PUMP FLOW RATE: (100-500 ml/minute); (1 gallon = 3.785 ml)	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD FILTERED: Y (N) Filtration Equipment Type: _____	FILTER SIZE: _____micron	DUPLICATE: Y (N)

SAMPLE ID CODE	SAMPLE CONTAINER SPECIFICATION: # of CONTAINERS	MATERIAL CODE	VOLUME	SAMPLE PRESERVATION: PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
GSSMW-15(I)	2	CG	40mL	HCl	—	—	8260B	PE, PP

REMARKS:

MATERIAL CODES: **AG** = Amber Glass; **CG** = Clear Glass; **LDPE** = Low Density Polyethylene; **HDPE** = High Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

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

NOTES:
1. Readings collected every 3-5 minutes.
2. STABILIZATIONCRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS

pH: ± 0.1 units, Temperature: ± 0.2 °C, Specific Conductance: ± 3%, Dissolved Oxygen: +/- 0.3mg/L, Turbidity: ≤10 NTU or +/- 10%, ORP: +/- 10mv

Only 3 sets of readings must meet stabilization criteria.

Appendix A. Purge Stabilization Data
Granville Solvents, Inc. Site; Granville, Ohio

Well	Date	Total Volume Purged (gal.)	Turbidity (NTU)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (µS/cm)	Temp (ºC)
MW-01(S)	9/28/2016	5.50	13.60	7.18	7.25	149.3	745	12.4
			11.70	7.18	7.22	150.5	748	12.3
			8.30	7.18	7.20	151.6	750	12.3
	7/20/2017	5.00	10.00	7.26	8.53	206.0	1151	14.0
			8.07	7.26	8.64	206.6	1150	14.1
			9.67	7.26	8.45	207.2	1151	14.2
	8/8/2018	1.00	457	7.03	6.38	76.2	925	14.0
			279	7.03	6.44	72.7	918	14.1
			181	7.05	6.45	69.9	912	14.0
MW-02(S)	9/28/2016	1.00	0.00	6.94	1.75	172.1	841	12.5
			0.00	6.94	1.52	171.9	839	12.4
			0.00	6.94	1.30	172.1	840	12.4
	7/19/2017	1.80	2.92	6.94	1.35	102.7	789	14.3
			1.94	6.94	1.32	105.2	790	14.4
			1.87	6.94	1.42	109.0	789	14.3
	12/20/2017	2.10	<1.0	6.86	1.24	468.7	964	12.4
			<1.0	6.86	1.25	469.0	975	12.5
			<1.0	6.87	1.22	469.5	972	12.5
	8/9/2018	1.50	3.64	6.84	0.96	466.0	848	13.9
			3.09	6.71	0.89	477.0	833	13.9
			1.68	6.68	0.87	482.0	834	14.1
	11/14/2018	1.00	1.46	7.31	0.67	433.2	677	10.3
			0.83	7.34	0.68	431.2	670	10.1
			0.48	7.33	0.70	429.5	662	9.9
MW-02D(I)	11/14/2012	1.75	9.00	6.99	1.58	198.0	3739	11.5
			8.63	6.98	1.53	196.0	3729	11.7
			6.28	6.99	1.47	194.0	3724	11.7
	6/13/2013	3.25	7.70	7.11	3.21	149.0	841	12.2
			8.97	7.10	3.16	150.0	841	12.2
			5.37	7.11	3.14	149.0	841	12.2
	12/6/2013	2.25	24.64	8.07	3.80	299.0	4739	11.4
			27.68	8.04	3.93	299.0	4857	11.5
			21.27	8.04	3.68	299.0	4942	11.4
	12/2/2015	2.25	9.83	7.16	2.77	196.0	1111	11.7
			7.65	7.16	2.64	194.0	1111	11.7
			7.91	7.17	2.58	192.0	1111	11.7
	9/30/2016	3.50	0.00	6.97	1.36	165.9	802	12.2
			0.00	6.97	1.31	168.7	803	12.2
			0.00	6.98	1.28	169.2	803	12.2
	7/19/2017	1.60	7.93	6.96	4.16	210.9	725	13.1
			1.08	6.96	4.07	211.4	727	13.2
			1.17	6.96	4.03	212.8	726	13.2
	12/21/2017	1.85	1.84	7.03	1.22	419.6	843	10.9
			0.00	7.00	1.15	421.2	847	11.2
			0.00	7.02	1.05	422.5	850	11.2
	8/9/2018	1.26	33.68	6.23	1.67	89.2	759	13.8
			18.44	6.24	1.60	89.2	763	14.0
			7.13	6.25	1.48	89.6	756	13.6
	11/14/2018	1.00	1.58	7.39	2.27	421.2	611	10.5
			1.40	7.41	2.23	421.1	612	10.5
			0.00	7.39	2.23	420.8	614	10.7

Appendix A. Purge Stabilization Data
Granville Solvents, Inc. Site; Granville, Ohio

Well	Date	Total Volume Purged (gal.)	Turbidity (NTU)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (µS/cm)	Temp (ºC)
MW-03(S)	9/27/2016	1.00	7.30	6.42	1.58	198.2	548	15.2
			8.00	6.42	1.62	198.9	548	15.2
			8.00	6.43	1.64	199.8	548	15.3
	7/18/2017	1.80	7.8/3	6.48	0.38	169.1	502	16.1
			5.24	6.48	0.38	168.6	501	16.0
			2.67	6.48	0.40	171.4	501	16.1
	8/8/2018	1.25	2.70	6.49	0.34	410.3	534	16.6
			4.45	6.45	0.42	413.0	527	16.9
			2.92	6.42	0.44	417.9	529	17.1
MW-04D(S)	11/14/2012	1.50	11.32	6.87	2.01	202.0	3710	11.9
			10.64	6.86	1.97	200.0	3721	11.9
			11.04	6.86	1.94	199.0	3726	11.8
	6/14/2013	2.25	9.55	7.05	5.70	199.0	696	21.7
			7.52	7.06	5.69	197.0	694	21.7
			6.31	7.05	5.65	195.0	696	21.7
	12/6/2013	2.75	28.14	7.74	4.56	329.0	18,790	11.8
			23.47	7.49	4.57	324.0	19,110	11.8
			18.55	7.22	4.54	320.0	19,340	11.8
	12/2/2015	No purge	Obstruction in well prevented purge/sample.					
	9/30/2016	No purge	Not sampled due to obstruction in well					
	7/17/2017	No purge	Well Abandoned					
MW-04DR(S)	7/20/2017	4.80	246.3	6.92	4.33	152.7	598.0	15.7
			250.8	6.91	4.34	148.1	600.0	15.7
			247.2	6.91	4.23	144.3	597.0	15.8
	12/20/2017	1.65	3.17	6.79	2.00	382.1	771.0	13.1
			2.07	6.74	1.98	388.2	770.0	13.0
			1.69	6.77	2.00	390.9	770.0	13.0
	8/9/2018	1.05	56.47	6.13	3.99	94.0	660.0	13.5
			21.66	6.11	3.97	96.4	661.0	13.5
			13.94	6.15	3.99	95.8	663.0	13.5
	11/14/2018	1.00	0.93	7.34	4.43	417.5	537	13.2
			3.11	7.31	4.59	416.3	537	13.2
			0.01	7.32	4.64	415.4	537	13.2
MW-04D2(I)	9/28/2016	2.00	6.07	7.22	3.47	99.0	1,093	12.9
			4.83	7.22	3.46	100.0	1,095	12.8
			4.07	7.21	3.46	101.0	1,094	12.9
	7/20/2017	3.40	4.44	7.19	1.44	34.1	1,044	17.9
			3.22	7.19	1.37	26.1	1,052	17.4
			1.96	7.18	1.40	28.3	1,056	17.0
	12/20/2017	2.35	1.33	7.05	0.84	443.0	877	12.1
			2.48	7.05	0.83	443.7	877	12.1
			1.93	7.05	0.83	445.2	880	12.1
	8/9/2018	1.05	0.95	6.85	4.17	356.0	697	13.3
			1.37	6.84	4.27	363.0	713	13.4
			1.03	6.85	4.37	368.0	714	13.4
	11/14/2018	1.79	0.08	7.43	3.50	422.4	516	11.5
			0.09	7.46	3.38	422.1	525	11.4
			2.86	7.46	3.32	421.9	531	11.3

Appendix A. Purge Stabilization Data
Granville Solvents, Inc. Site; Granville, Ohio

Well	Date	Total Volume Purged (gal.)	Turbidity (NTU)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (µS/cm)	Temp (ºC)
MW-05(S)	9/27/2016	17.00	19.00	6.89	2.97	275.9	933	12.8
			18.00	6.89	2.94	276.0	933	12.8
			17.50	6.89	2.94	276.5	933	12.8
	7/20/2017	2.75	9.56	7.00	5.69	211.6	1,243	13.7
			8.14	7.00	5.65	211.5	1,244	13.7
			7.18	7.01	5.40	211.1	1,247	13.8
	8/8/2018	1.00	487	6.88	5.06	88.6	921	14.1
			443	6.88	4.99	89.4	918	13.9
			315	6.90	4.92	90.4	918	13.9
MW-06(I)	11/14/2012	1.60	3.71	6.91	1.31	223.0	4,344	11.3
			4.30	6.90	1.25	221.0	4,352	11.5
			4.55	6.90	1.20	220.0	4,357	11.4
	6/13/2013	1.75	1.99	7.06	1.05	130.0	904.8	13.8
			2.22	7.06	1.13	130.0	906.3	13.6
			2.32	7.06	1.15	130.0	906.0	13.6
	12/4/2013	2.00	5.25	8.27	3.57	207.0	1,085	13.2
			5.84	8.26	3.60	205.0	1,086	13.2
			3.65	8.24	3.63	202.0	1,084	13.2
	12/2/2015	2.50	0.59	7.16	2.75	196.0	1,146	12.4
			0.23	7.16	2.80	194.0	1,147	12.5
			0.33	7.16	2.86	193.0	1,146	12.5
	9/28/2016	2.50	0.52	7.04	1.30	90.0	1,186	13.4
			0.47	7.04	1.26	91.0	1,189	13.3
			0.33	7.03	1.22	91.0	1,192	13.3
	7/19/2017	1.50	2.00	7.01	0.61	135.8	1,295	14.2
			1.28	7.02	0.55	131.5	1,298	14.0
			6.10	7.03	0.55	127.8	1,291	14.0
	8/8/2018	1.00	7.15	6.87	1.04	97.6	843	14.9
			6.97	6.88	0.98	96.9	841	14.7
			7.05	6.89	0.94	94.7	839	14.6
MW-06D(D)	9/28/2016	2.25	10.40	6.95	0.28	129.1	935	13.0
			7.40	6.95	0.24	126.1	939	13.0
			6.10	6.95	0.26	122.2	940	13.0
	7/19/2017	2.50	7.53	7.05	0.31	115.1	1,220	14.4
			6.29	7.04	0.29	110.8	1,222	14.3
			6.47	7.04	0.22	107.5	1,221	14.3
	8/8/2018	0.75	29.19	6.94	0.41	88.9	912	15.1
			37.27	6.91	0.35	82.1	915	15.3
			42.53	6.92	0.31	74.5	913	15.3
MW-07(S)	12/2/2015	2.15	5.82	6.86	1.71	209.0	1,177	14.9
			2.25	6.85	1.71	205.0	1,178	14.9
			1.77	6.85	1.70	202.0	1,178	15.0
	9/29/2016	2.50	3.40	6.70	2.59	126.0	1,214	15.3
			1.40	6.70	2.53	126.0	1,212	15.3
			0.15	6.70	2.50	126.0	1,213	15.3
	7/18/2017	2.10	0.71	6.70	3.15	144.2	1,392	16.2
			0.00	6.69	3.15	137.4	1,396	16.2
			0.92	6.69	3.10	134.2	1,396	16.1
	8/7/2018	0.95	0.43	6.60	2.65	243.4	843	15.6
			0.61	6.43	2.34	237.0	846	15.6
			0.75	6.42	2.34	288.9	845	15.6

Appendix A. Purge Stabilization Data
Granville Solvents, Inc. Site; Granville, Ohio

Well	Date	Total Volume Purged (gal.)	Turbidity (NTU)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (µS/cm)	Temp (ºC)
MW-07D(I)	11/13/2012	1.15	1.40	6.77	0.13	84.0	2,041	13.9
			1.00	6.77	0.12	84.0	2,077	13.9
			0.97	6.77	0.10	84.0	2,103	14.0
	6/14/2013	2.00	4.53	7.00	0.05	191.0	1,024	15.4
			5.27	7.00	0.03	188.0	1,025	15.5
			9.03	6.99	0.02	186.0	1,026	15.6
	12/5/2013	2.50	5.84	7.74	1.78	166.0	1,754	14.7
			6.37	7.74	7.81	167.0	1,789	14.7
			9.67	7.71	2.02	170.0	1,812	14.6
	12/2/2015	2.50	28.39	7.04	0.14	193.0	1,213	13.7
			27.24	7.04	0.12	188.0	1,213	13.7
			28.05	7.04	0.10	184.0	1,212	13.7
	9/29/2016	2.50	0.00	6.88	0.24	122.4	840	14.1
			0.00	6.88	0.16	123.0	851	14.4
			0.00	6.87	0.14	123.8	852	14.5
	7/18/2017	1.60	1.16	6.90	0.34	128.5	1,248	15.3
			7.76	6.90	0.17	124.8	1,253	15.4
			4.23	6.91	0.13	120.4	1,259	15.2
	12/19/2017	1.30	1.30	6.74	0.17	404.4	1,166	13.6
			1.23	6.76	0.13	414.2	1,163	13.5
			<1.0	6.78	0.15	417.7	1,164	13.5
	8/7/2018	1.16	1.80	6.28	0.26	79.3	952	17.4
			0.79	6.25	0.26	79.0	955	17.3
			0.51	6.22	0.23	77.8	960	17.5
	11/14/2018	1.32	0.00	7.35	0.47	331.3	839	12.2
			0.00	7.27	0.44	330.4	853	12.3
			0.00	7.32	0.42	330.9	854	12.0
MW-08(S)	11/13/2012	1.30	3.50	6.92	1.24	77.0	3,433	10.4
			3.50	6.92	1.24	77.0	3,433	10.4
			3.50	6.93	1.27	83.0	3,434	10.3
	6/14/2013	3.00	0.75	7.19	6.81	143.0	620	12.9
			0.56	7.20	6.48	144.0	623	12.9
			0.58	7.20	6.20	144.0	626	13.0
	12/5/2013	2.25	2.74	7.99	6.65	212.0	4,510	11.8
			1.43	7.97	6.41	210.0	4,549	11.8
			1.05	7.97	6.08	209.0	4,586	11.8
	12/3/2015	3.00	0.99	7.03	1.54	NC	837.9	11.4
			0.76	7.03	1.37	NC	840.7	11.3
			0.87	7.03	1.21	223.0	842.7	11.3
	9/29/2016	2.25	0.42	7.05	1.16	102.0	950.7	12.6
			0.02	7.04	1.10	101.0	951.9	12.6
			0.00	7.04	1.00	99.0	955.3	12.5
	7/19/2017	1.20	1.47	6.98	2.89	179.0	977.0	13.1
			3.44	6.99	2.79	176.6	973.0	13.0
			0.71	7.00	2.68	176.0	973.0	12.9
	12/20/2017	2.35	13.45	6.86	4.03	273.4	836.0	12.1
			15.03	6.86	4.07	274.5	837.0	12.2
			13.82	6.86	4.03	276.2	838.0	12.2
	8/8/2018	1.45	30.24	6.23	3.57	37.2	723.0	14.1
			27.50	6.20	3.10	38.6	724.0	14.1
			25.04	6.21	2.97	37.2	725.0	14.0
	11/13/2018	1.25	3.19	7.19	3.49	160.8	621.0	12.2
			0.77	7.18	3.32	160.2	623.0	12.2
			0.64	7.16	3.17	160.0	626.0	12.3

Appendix A. Purge Stabilization Data
Granville Solvents, Inc. Site; Granville, Ohio

Well	Date	Total Volume Purged (gal.)	Turbidity (NTU)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (µS/cm)	Temp (ºC)
MW-08D(I)	9/29/2016	2.75	5.80	6.99	0.35	-18.1	747	12.1
			2.40	6.99	0.32	-22.4	747	12.1
			1.40	7.00	0.14	-24.0	747	12.0
	7/19/2017	1.50	9.50	7.08	0.47	-21.0	1,151	14.0
			6.89	7.08	0.36	-25.6	1,147	14.0
			9.42	7.08	0.27	-27.5	1,150	14.0
	8/8/2018	0.75	26.97	6.27	0.39	-24.3	872	14.9
			24.24	6.29	0.33	-28.3	874	14.8
			23.66	6.28	0.31	-29.3	873	14.7
MW-16(S)	7/20/2017	6.40	42.77	6.99	0.29	-295.6	902	14.3
			44.44	6.99	0.29	-293.8	896	14.4
			45.51	6.99	0.30	-297.6	897	14.4
	12/20/2017	1.35	<1.0	6.85	0.09	292.2	1,041	12.7
			1.36	6.87	0.09	298.1	1,039	12.7
			2.18	6.86	0.09	300.2	1,038	12.7
	8/8/2018	1.74	3.26	6.39	0.63	277.0	794	13.4
			2.22	6.24	0.57	297.8	796	13.4
			2.58	6.17	0.50	314.5	796	13.4
	11/13/2018	1.00	5.22	7.34	0.36	216.0	708	12.4
			2.88	7.32	0.35	214.9	706	12.3
			2.64	7.32	0.36	214.7	706	12.3
MW-17(I)	7/20/2017	6.00	31.10	7.19	0.39	-354.0	861	15.5
			33.15	7.18	0.38	-357.0	853	15.4
			33.84	7.18	0.36	-359.0	861	15.4
	12/20/2017	1.85	35.20	6.95	0.12	248.3	962	11.9
			32.00	6.98	0.12	248.3	964	11.9
			36.84	6.96	0.12	247.4	964	11.9
	8/8/2018	1.50	10.89	6.94	0.14	36.8	905	14.2
			7.86	7.00	0.10	22.4	910	14.0
			4.42	6.97	0.06	15.0	902	14.0
	11/13/2018	1.00	0.00	7.37	0.27	143.0	718	11.6
			0.00	7.39	0.27	137.8	719	11.8
			0.00	7.36	0.26	133.0	718	11.6
MW-P1(S)	11/13/2012	1.65	0.00	7.11	4.72	136.0	1,217	12.5
			0.00	7.12	4.70	136.0	1,242	12.5
			0.00	7.12	4.66	136.0	1,257	12.7
	6/13/2013	2.25	4.88	7.30	5.72	151.0	960	12.9
			4.03	7.30	5.73	151.0	963	12.8
			3.21	7.31	5.65	151.0	962	12.8
	12/5/2013	3.50	0.72	7.72	4.33	183.0	1,498	13.1
			0.87	7.76	4.29	182.0	1,528	13.1
			0.57	7.73	4.26	182.0	1,548	13.1
	12/2/2015	2.00	5.59	7.31	4.25	204.0	1,194	12.2
			5.25	7.32	4.11	203.0	1,193	12.3
			4.37	7.33	4.02	202.0	1,194	12.3
	9/27/2016	4.00	0.00	7.05	4.66	183.9	804	12.1
			0.00	7.05	4.82	184.3	803	12.1
			0.00	7.05	4.91	184.4	803	12.1
	7/18/2017	2.20	1.72	7.21	5.51	149.5	779	15.2
			2.15	7.21	5.45	147.6	779	15.1
			3.76	7.21	5.38	148.8	779	15.1
	8/9/2018	1.26	1.45	6.38	5.85	71.9	750	13.6
			0.47	6.37	5.74	72.8	748	13.4
			0.29	6.40	5.78	73.0	750	13.4

Appendix A. Purge Stabilization Data
Granville Solvents, Inc. Site; Granville, Ohio

Well	Date	Total Volume Purged (gal.)	Turbidity (NTU)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (µS/cm)	Temp (ºC)
GSSMW-02(S)	9/28/2016	4.75	4.40	7.02	0.14	-16.2	632	13.0
			3.10	7.02	0.11	-19.6	632	13.0
			2.10	7.01	0.09	-23.1	631	13.0
	7/18/2017	1.80	0.00	7.12	0.19	-2.3	660	14.8
			1.49	7.12	0.15	-6.0	661	14.8
			2.40	7.12	0.14	-8.5	663	14.8
	8/7/2018	1.74	5.80	7.00	0.28	49.5	482	14.8
			4.77	6.94	0.27	43.3	483	14.8
			2.59	6.92	0.26	39.2	483	14.9
GSSMW-04(I)	9/27/2016	5.50	37.30	6.93	0.27	217.2	908	14.0
			35.60	6.93	0.27	211.3	907	14.0
			32.30	6.94	0.22	202.3	907	14.1
	7/18/2017	2.80	20.20	7.09	0.18	61.6	789	15.4
			24.70	7.09	0.18	60.4	786	15.2
			20.20	7.09	0.19	60.0	786	15.2
	8/9/2018	1.26	2.77	7.13	0.24	11.3	788	14.4
			2.66	7.07	0.17	6.0	785	14.3
			1.45	7.04	0.14	2.4	782	14.4
GSSMW-05(I)	9/30/2016	2.75	14.30	6.85	2.99	167.7	840	13.1
			12.60	6.85	2.97	159.4	839	13.1
			8.80	6.85	3.05	151.0	839	13.0
	7/19/2017	2.60	5.49	6.94	2.04	87.4	893	14.6
			3.14	6.95	2.19	87.3	903	14.6
			1.24	6.97	2.18	87.1	915	14.6
	8/8/2018	1.16	10.65	6.79	3.17	59.0	753	17.0
			8.45	6.81	3.32	56.6	763	16.9
			5.47	6.81	3.37	56.2	769	17.1
GSSMW-08(I)	11/13/2012	1.75	22.19	6.92	0.33	87.0	1,844	11.6
			20.16	6.92	0.27	82.0	1,856	11.5
			20.11	6.92	0.21	79.0	1,865	11.5
	6/14/2013	2.25	18.13	7.22	0.11	75.0	702	13.5
			18.27	7.21	0.09	74.0	692	13.0
			17.66	7.21	0.07	72.0	688	12.7
	12/5/2013	2.50	9.46	8.00	0.21	107.0	2,176	12.1
			7.60	8.03	0.16	103.0	2,191	12.0
			7.00	8.00	0.14	100.0	2,202	12.0
	12/2/2015	3.00	4.75	7.23	0.11	183.0	747.4	11.9
			6.12	7.23	0.09	178.0	747.3	11.9
			6.49	7.23	0.07	175.0	747.8	11.9
	9/29/2016	2.50	0.60	6.93	0.27	150.2	610	12.5
			0.00	6.94	0.21	152.7	610	12.4
			0.00	6.95	0.21	155.0	610	12.4
	7/18/2017	2.10	1.00	7.05	0.23	121.2	601	13.9
			0.90	7.05	0.17	119.2	602	13.9
			0.90	7.05	0.18	117.4	603	14.0
	12/20/2017	2.15	<1.0	6.95	0.26	361.1	817	11.9
			<1.0	6.95	0.25	362.2	818	11.9
			<1.0	6.94	0.25	362.9	819	11.9
	8/7/2018	0.71	8.54	6.32	0.26	44.3	599	14.7
			3.14	6.29	0.22	43.5	598	14.6
			5.30	6.28	0.20	42.4	598	14.6
	11/13/2018	1.00	0.00	7.34	0.43	191.4	495	12.2
			0.00	7.36	0.53	191.3	491	11.7
			0.00	7.34	0.51	194.2	495	11.7

Appendix A. Purge Stabilization Data
Granville Solvents, Inc. Site; Granville, Ohio

Well	Date	Total Volume Purged (gal.)	Turbidity (NTU)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (µS/cm)	Temp (ºC)
GSSMW-09(I)	11/14/2012	2.3	9.30	6.93	0.06	-75.0	1,350	13.8
			8.10	6.93	0.05	-76.0	1,364	13.8
			6.00	6.93	0.04	-77.0	1,378	13.8
	6/14/2013	2.65	8.44	7.26	0.07	-55.0	615	15.1
			6.22	7.27	0.06	-58.0	614	14.8
			8.25	7.27	0.05	-59.0	610	14.6
	12/5/2013	2.3	2.83	7.70	0.18	-56.0	1,704	14.3
			2.85	7.71	0.16	-60.0	1,725	14.3
			1.68	7.76	0.15	-65.0	1,744	14.2
	12/2/2015	4.5	12.09	7.08	0.14	-52.0	1,708	13.6
			10.75	7.08	0.12	-55.0	1,714	13.6
			8.73	7.08	0.11	-57.0	1,714	13.6
	9/29/2016	3.25	0.30	6.77	0.21	-1.1	964	14.9
			1.50	6.75	0.18	-8.0	958	14.9
			0.00	6.74	0.16	-11.8	955	14.9
	7/18/2017	1.70	2.80	6.92	0.21	-26.8	993	15.2
			3.50	6.93	0.22	-28.5	991	15.2
			7.30	6.92	0.20	-30.4	989	15.2
	12/19/2017	1.30	3.05	6.94	0.16	18.7	697	13.5
			4.72	6.93	0.15	13.2	699	13.7
			3.17	6.93	0.13	12.0	700	13.7
	8/7/2018	2.03	10.51	6.88	0.26	42.1	730	16.4
			5.76	6.86	0.27	39.7	721	16.3
			2.97	6.84	0.30	38.0	714	16.3
	11/14/2018	1.00	6.01	7.31	0.50	138.3	471	12.9
			2.22	7.32	0.42	121.5	471	13.1
			2.23	7.32	0.38	105.4	466	12.9
GSSMW-10(I)	9/29/2016	3.0	8.30	7.08	0.12	-71.0	911.9	14.1
			6.90	7.08	0.10	-71.0	912.7	13.9
			6.00	7.08	0.09	-72.0	913.3	14.0
	7/18/2017	2.0	8.54	7.11	0.53	-28.8	588.0	14.2
			8.82	7.10	0.39	-29.6	589.0	14.2
			7.91	7.10	0.36	-30.6	587.0	14.1
	8/7/2018	1.8	97.13	6.39	0.20	-12.8	571.0	14.3
			4.57	6.38	0.18	-27.7	568.0	14.2
			0.19	6.39	0.20	-33.9	567.0	14.1
GSSMW-12(D)	9/28/2016	2.8	76.59	7.05	0.24	-76.0	1,218	12.9
			81.73	7.06	0.23	-77.0	1,218	12.8
			82.26	7.05	0.22	-77.0	1,216	12.8
	7/19/2017	1.5	4.82	7.10	0.27	-64.9	825	14.4
			4.51	7.10	0.24	-60.3	822	14.3
			4.65	7.11	0.23	-60.7	824	14.5
	8/9/2018	0.8	0.90	6.67	1.36	521.0	597	14.4
			1.43	6.65	1.36	526.0	594	14.2
			1.54	6.63	1.31	530.0	594	14.3
	11/14/2018	1.3	2.02	7.09	3.44	432.5	482	9.9
			2.09	7.08	3.40	433.6	483	9.9
			1.12	7.07	3.41	434.5	484	9.8

Appendix A. Purge Stabilization Data
Granville Solvents, Inc. Site; Granville, Ohio

Well	Date	Total Volume Purged (gal.)	Turbidity (NTU)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (µS/cm)	Temp (ºC)
GSSMW-13(D)	9/28/2016	4.00	6.40	7.01	0.30	-25.3	908	12.3
			4.30	7.02	0.27	-30.7	909	12.3
			2.10	7.01	0.23	-34.7	909	12.3
	7/18/2017	0.80	0.15	7.53	5.84	146.8	1,048	15.6
			0.29	7.53	5.76	148.5	1,051	15.8
			0.40	7.54	5.65	148.7	1,047	15.5
	8/9/2018	1.50	7.22	6.32	0.62	-5.6	786	14.0
			6.35	6.34	0.49	-18.4	791	14.1
			3.78	6.37	0.43	-25.2	798	14.1
GSSMW-14(D)	9/29/2016	3.00	4.80	7.10	0.12	-97.0	1,150	13.9
			4.72	7.10	0.11	-98.0	1,151	13.9
			5.23	7.10	0.11	-98.0	1,151	13.8
	7/18/2017	1.50	2.11	7.20	0.14	-83.6	978	14.2
			1.79	7.21	0.10	-86.6	975	14.2
			2.50	7.21	0.10	-89.2	976	14.1
	8/7/2018	4.22	37.63	6.18	0.30	118.4	78	14.5
			37.58	6.18	0.33	117.9	78	14.7
			36.20	6.20	0.31	116.8	79	14.4
GSSMW-15(I)	11/14/2012	2.50	8.10	6.83	1.20	235.0	4,144	12.7
			8.46	6.84	1.23	233.0	4,157	12.7
			7.85	6.84	1.28	231.0	4,152	12.7
	6/14/2013	2.80	7.10	7.11	2.02	140.0	839.0	13.3
			6.61	7.10	1.92	139.0	839.0	13.2
			5.16	7.11	1.87	137.0	839.0	13.2
	12/6/2013	2.50	7.75	8.26	2.30	289.0	5,017	12.6
			5.75	8.25	2.33	288.0	5,046	12.7
			4.31	8.24	2.36	288.0	5,069	12.7
	12/3/2015	2.50	14.92	6.98	1.06	219.0	1,013	12.7
			15.45	6.97	1.06	218.0	1,013	12.7
			14.34	6.98	1.03	217.0	1,016	12.7
	9/30/2016	2.25	11.20	6.97	1.23	110.0	1,014	14.0
			11.06	6.95	1.20	110.0	1,018	14.0
			12.92	6.96	1.16	110.0	1,020	13.9
	7/19/2017	2.00	1.85	6.92	0.88	169.3	744	14.0
			1.61	6.92	0.89	167.0	742	14.0
			2.40	6.92	0.91	166.3	739	13.9
	12/20/2017	1.35	<1.0	6.87	0.15	310.0	956	13.1
			1.46	6.87	0.13	312.0	959	13.2
			1.92	6.88	0.14	313.0	960	13.1
	8/8/2018	1.47	3.16	6.74	2.17	363.0	790	14.5
			1.49	6.35	2.06	378.0	794	14.7
			1.63	6.25	2.01	387.0	796	14.9
	11/13/2018	1.00	0.01	7.36	0.58	165.9	732	12.4
			0.00	7.36	0.54	165.7	731	12.4
			0.00	7.35	0.53	165.7	734	12.6

Appendix A. Purge Stabilization Data
Granville Solvents, Inc. Site; Granville, Ohio

Well	Date	Total Volume Purged (gal.)	Turbidity (NTU)	pH	Dissolved Oxygen (mg/L)	Oxidation Reduction Potential (mV)	Specific Conductance (µS/cm)	Temp (ºC)
GSSEW-01(D)	11/3/2011	2.0	3.20	7.06	0.30	-104.0	1,140	13.8
			3.20	7.08	0.24	-109.0	1,150	14.0
			3.40	7.09	0.24	-112.0	1,150	14.1
	9/29/2016	2.25	11.45	7.14	0.20	-167.0	1,063	13.4
			13.90	7.15	0.17	-170.0	1,064	13.4
			12.20	7.15	0.14	-173.0	1,065	13.4
	7/20/2017		Well Abandoned					
GSSEW-02(D)	9/30/2016	2.75	26.42	7.84	0.04	-261.0	856.7	13.1
			26.83	7.86	0.03	-265.0	857.3	13.1
			25.17	7.86	0.02	-268.0	858.8	13.1
	7/19/2017		Well Abandoned					
GSS-P2(D)	9/28/2016	3.75	88.30	7.12	0.13	-94.0	945.1	13.7
			99.20	7.12	0.13	-94.0	945.0	13.7
			79.66	7.12	0.12	-94.0	948.2	13.7
	7/18/2017	2.70	6.60	7.21	0.30	-88.8	494.8	15.2
			3.40	7.21	0.24	-90.3	496.0	15.3
			3.30	7.20	0.24	-91.7	497.1	15.3
	8/7/2018	1.47	8.15	6.99	3.61	123.5	40.8	14.8
			2.06	7.23	3.58	115.5	41.0	14.8
			2.98	7.38	3.50	108.0	41.5	14.9
GSS-P3(D)	9/29/2016	2.75	10.60	7.09	0.28	-89.8	696	14.0
			10.30	7.09	0.15	-96.1	692	13.7
			11.20	7.08	0.15	-97.0	689	13.6
	7/18/2017	5.30	0.22	7.11	0.08	-103.9	922	13.8
			0.36	7.12	0.10	-107.2	922	13.9
			0.89	7.13	0.11	-111.4	924	13.7
	8/7/2018	1.47	2.99	6.62	0.76	192.3	262	14.4
			1.74	6.59	0.81	203.9	263	14.5
			1.35	6.57	0.79	213.1	265	14.6
PW-01(D)	9/30/2016	No purge	Not sampled due to downhole obstruction					
	7/18/2017	5.00	6.09	8.83	0.29	-25.2	236.0	16.8
			7.49	8.86	0.27	-19.2	236.0	16.8
			9.04	8.87	0.24	-18.1	235.3	16.8
	8/7/2018	1.75	37.22	7.09	0.18	110.0	158.5	14.9
			23.28	7.48	0.14	89.3	157.2	14.8
			22.13	7.72	0.16	71.3	157.8	15.0
PW-02(D)	9/30/2016	135.0	0.00	7.22	1.73	-90.8	645	11.7
			0.00	7.22	1.67	-89.9	649	11.7
			0.00	7.22	1.66	-89.1	651	11.7
	7/17/2017	3.6	3.32	7.16	0.43	44.5	837	16.3
			4.37	7.17	0.37	40.7	841	16.2
			2.32	7.17	0.31	45.0	839	16.3
	8/7/2018	2.0	11.90	6.79	1.82	114.1	714	17.8
			13.60	6.77	1.78	112.1	714	17.9
			12.13	6.75	1.73	111.5	717	18.3
PW-03A(D)	9/30/2016	179.55	0.00	7.10	4.01	-67.3	729	13.3
			0.00	7.10	4.01	-67.2	729	12.4
			0.00	7.11	4.02	-68.7	729	12.4
	7/17/2017	4.70	46.90	7.24	0.53	101.2	779	16.8
			46.87	7.24	0.50	96.4	780	16.6
			46.25	7.24	0.49	92.7	781	16.6
	8/7/2018	1.50	26.78	6.82	0.34	15.1	730	17.0
			23.91	6.76	0.32	-5.1	726	16.8
			25.18	6.76	0.28	-17.9	729	17.1

Appendix A. Purge Stabilization Data
Granville Solvents, Inc. Site; Granville, Ohio

Well	Date	**Total Volume Purged (gal.)**	**Turbidity (NTU)**	**pH**	**Dissolved Oxygen (mg/L)**	**Oxidation Reduction Potential (mV)**	**Specific Conductance (µS/cm)**	**Temp (ºC)**
PW-04(D)	9/30/2016	186.20	0.00	7.21	0.12	-103.0	630	11.4
			0.00	7.21	0.10	-104.6	630	11.4
			0.00	7.21	0.10	-105.9	630	11.4
	7/17/2017	4.60	62.78	7.45	5.96	148.6	714	17.4
			60.58	7.45	5.91	145.5	713	17.5
			60.61	7.46	5.94	139.6	712	17.4
	8/7/2018	1.87	11.65	7.02	2.35	94.6	493	15.2
			11.78	7.08	2.34	93.3	492	15.1
			11.78	7.12	2.35	91.6	492	15.2

Notes:
Table provided by AECOM and updated by Progressive, provides summary of last 3 stable readings recorded during sample purging.
gal - gallons
NTU - Nephelometric Units
NC - Not Collected
mg/L - milligrams per liter
mV - millivolts
µS/cm - microseimens per centimeter

APPENDIX B

Water Quality Laboratory Analytical Reports

Southern Research Laboratories, Inc.

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Thank you Brad Sperry for the opportunity to be of service to you and your company, We Sincerely Appreciate Your Business.

SRL certifies these Laboratory Results were produced in accordance with NELAC Standards. Hold times and preservation requirements were met for all analytes unless specifically call noted in the report. Results relate only to the samples as received.

Southern Research Laboratories, Inc
2251 Lynx Lane, Suite 1
Orlando, Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

Item#	Lab Sample ID	Client Sample ID	Collected Date Time	Sample Matrix	Analysis Requested
1	1808011-001	PW-04 (D)	08/07/18 8:31	AQUEOUS-Groundwater	EPA 8260
2	1808011-002	DUP-1	08/07/18 8:30	AQUEOUS-Groundwater	EPA 8260
3	1808011-003	PW-02 (D)	08/07/18 10:00	AQUEOUS-Groundwater	EPA 8260
4	1808011-004	GSSMW-14 (D)	08/07/18 11:10	AQUEOUS-Groundwater	EPA 8260
5	1808011-005	PW-01 (D)	08/07/18 11:17	AQUEOUS-Groundwater	EPA 8260
6	1808011-006	GSS-P3 (D)	08/07/18 11:48	AQUEOUS-Groundwater	EPA 8260
7	1808011-007	PW-03A (D)	08/07/18 13:40	AQUEOUS-Groundwater	EPA 8260
8	1808011-008	GSS-P2 (D)	08/07/18 14:13	AQUEOUS-Groundwater	EPA 8260
9	1808011-009	GSSMW-02 (S)	08/07/18 14:15	AQUEOUS-Groundwater	EPA 8260
10	1808011-010	GSSMW-10 (I)	08/07/18 14:45	AQUEOUS-Groundwater	EPA 8260
11	1808011-011	GSSMW-09 (I)	08/07/18 14:50	AQUEOUS-Groundwater	EPA 8260
12	1808011-012	MS-1	08/07/18 14:50	AQUEOUS-Groundwater	EPA 8260
13	1808011-013	MSD-1	08/07/18 14:50	AQUEOUS-Groundwater	EPA 8260
14	1808011-014	GSSMW-08 (I)	08/07/18 15:20	AQUEOUS-Groundwater	EPA 8260
15	1808011-015	MW-07D (I)	08/07/18 16:05	AQUEOUS-Groundwater	EPA 8260
16	1808011-016	MW-07 (S)	08/07/18 16:05	AQUEOUS-Groundwater	EPA 8260
17	1808011-017	EQUIP BLANK-1	08/07/18 16:25	AQUEOUS-Other	EPA 8260
18	1808011-018	MW-08 (S)	08/08/18 8:35	AQUEOUS-Groundwater	EPA 8260
19	1808011-019	MW-08D (I)	08/08/18 9:05	AQUEOUS-Groundwater	EPA 8260
20	1808011-020	MW-06 (I)	08/08/18 10:40	AQUEOUS-Groundwater	EPA 8260
21	1808011-021	DUP-2	08/08/18 10:41	AQUEOUS-Groundwater	EPA 8260
22	1808011-022	MW-06D (D)	08/08/18 11:05	AQUEOUS-Groundwater	EPA 8260
23	1808011-023	GSSMW-05 (I)	08/08/18 11:47	AQUEOUS-Groundwater	EPA 8260
24	1808011-024	MW-01 (S)	08/08/18 14:00	AQUEOUS-Groundwater	EPA 8260
25	1808011-025	MW-05 (S)	08/08/18 14:40	AQUEOUS-Groundwater	EPA 8260
26	1808011-026	MW-17 (I)	08/08/18 15:15	AQUEOUS-Groundwater	EPA 8260
27	1808011-027	MW-16 (S)	08/08/18 15:17	AQUEOUS-Groundwater	EPA 8260
28	1808011-028	GSSMW-15	08/08/18 15:55	AQUEOUS-Groundwater	EPA 8260
29	1808011-029	MW-03 (S)	08/08/18 16:25	AQUEOUS-Groundwater	EPA 8260
30	1808011-030	EQUIP BLANK-2	08/08/18 16:35	AQUEOUS-Other	EPA 8260
31	1808011-031	GSSMW-04 (I)	08/09/18 8:05	AQUEOUS-Groundwater	EPA 8260
32	1808011-032	MW-P1 (S)	08/09/18 8:40	AQUEOUS-Groundwater	EPA 8260

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

Item#	Lab Sample ID	Client Sample ID	Collected Date	Collected Time	Sample Matrix	Analysis Requested
33	1808011-033	MW-04DR	08/09/18	9:20	AQUEOUS-Groundwater	EPA 8260
34	1808011-034	MS-2	08/09/18	9:20	AQUEOUS-Groundwater	EPA 8260
35	1808011-035	MSD-2	08/09/18	9:20	AQUEOUS-Groundwater	EPA 8260
36	1808011-036	MW-04D2 (I)	08/09/18	9:22	AQUEOUS-Groundwater	EPA 8260
37	1808011-037	GSSMW-13 (D)	08/09/18	9:57	AQUEOUS-Groundwater	EPA 8260
38	1808011-038	MW-02 (S)	08/09/18	10:30	AQUEOUS-Groundwater	EPA 8260
39	1808011-039	DUP-3	08/09/18	8:41	AQUEOUS-Groundwater	EPA 8260
40	1808011-040	DUP-4	08/09/18	10:31	AQUEOUS-Groundwater	EPA 8260
41	1808011-041	MW-02D (I)	08/09/18	10:35	AQUEOUS-Groundwater	EPA 8260
42	1808011-042	GSSMW-12 (D)	08/09/18	11:03	AQUEOUS-Groundwater	EPA 8260
43	1808011-043	EQUIP BLANK-3	08/09/18	11:45	AQUEOUS-Other	EPA 8260
44	1808011-044	TRIP BLANK	08/09/18	17:00	AQUEOUS-Other	EPA 8260

Sherri Payne
Vice President / Quality Assurance Officer - SRL

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
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Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **PW-04 (D)** Date Collected: **08/07/18 08:31** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-001** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:39	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 14:39	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/14/18 14:39	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10	10	ug/L	1	100	08/14/18 14:39	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.4	10	ug/L	1	94	08/14/18 14:39	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.2	10	ug/L	1	92	08/14/18 14:39	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **DUP-1** Date Collected: **08/07/18 08:30** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-002** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:08	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 15:08	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.1	10	ug/L	1	101	08/14/18 15:08	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.9	10	ug/L	1	99	08/14/18 15:08	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.7	10	ug/L	1	97	08/14/18 15:08	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.1	10	ug/L	1	91	08/14/18 15:08	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **PW-02 (D)** Date Collected: **08/07/18 10:00** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-003** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:04	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 17:04	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/14/18 17:04	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.8	10	ug/L	1	98	08/14/18 17:04	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.9	10	ug/L	1	99	08/14/18 17:04	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.6	10	ug/L	1	96	08/14/18 17:04	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSSMW-14 (D)** Date Collected: **08/07/18 11:10** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-004** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 17:33	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 17:33	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/14/18 17:33	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10	10	ug/L	1	100	08/14/18 17:33	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.5	10	ug/L	1	95	08/14/18 17:33	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.1	10	ug/L	1	91	08/14/18 17:33	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **PW-01 (D)** Date Collected: **08/07/18 11:17** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-005** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:02	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 18:02	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/14/18 18:02	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.1	10	ug/L	1	101	08/14/18 18:02	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.8	10	ug/L	1	98	08/14/18 18:02	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.1	10	ug/L	1	91	08/14/18 18:02	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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Orlando Florida 32804
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSS-P3 (D)** Date Collected: **08/07/18 11:48** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-006** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 18:31	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 18:31	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.3	10	ug/L	1	103	08/14/18 18:31	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.2	10	ug/L	1	102	08/14/18 18:31	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10	10	ug/L	1	100	08/14/18 18:31	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.2	10	ug/L	1	92	08/14/18 18:31	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **PW-03A (D)** Date Collected: **08/07/18 13:40** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-007** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:00	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 19:00	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.4	10	ug/L	1	104	08/14/18 19:00	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	08/14/18 19:00	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.1	10	ug/L	1	91	08/14/18 19:00	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.9	10	ug/L	1	89	08/14/18 19:00	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSS-P2 (D)** Date Collected: **08/07/18 14:13** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-008** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:28	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 19:28	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.4	10	ug/L	1	104	08/14/18 19:28	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.5	10	ug/L	1	105	08/14/18 19:28	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	8.8	10	ug/L	1	88	08/14/18 19:28	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.1	10	ug/L	1	91	08/14/18 19:28	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSSMW-02 (S)** Date Collected: **08/07/18 14:15** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-009** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 19:57	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 19:57	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.4	10	ug/L	1	104	08/14/18 19:57	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.2	10	ug/L	1	102	08/14/18 19:57	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.1	10	ug/L	1	101	08/14/18 19:57	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.3	10	ug/L	1	93	08/14/18 19:57	GGL	08141812MB	30-170	

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Southern Research Laboratories, Inc
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Orlando Florida 32804
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSSMW-10 (I)** Date Collected: **08/07/18 14:45** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-010** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:25	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 20:25	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.6	10	ug/L	1	106	08/14/18 20:25	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.2	10	ug/L	1	102	08/14/18 20:25	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.8	10	ug/L	1	98	08/14/18 20:25	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.9	10	ug/L	1	89	08/14/18 20:25	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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Orlando Florida 32804
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSSMW-09 (I)** Date Collected: **08/07/18 14:50** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-011** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 15:37	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 15:37	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	08/14/18 15:37	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.2	10	ug/L	1	102	08/14/18 15:37	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.2	10	ug/L	1	102	08/14/18 15:37	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.3	10	ug/L	1	93	08/14/18 15:37	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MS-1** Date Collected: **08/07/18 14:50** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-012** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	**28.4**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Bromobenzene (108861)	**26.4**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Bromoform (75252)	**27.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Bromomethane (74839)	**20.8**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Carbon tetrachloride (56235)	**27.1**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Chlorobenzene (108907)	**27.1**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Dibromochloromethane (124481)	**27.1**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Chloroethane (75003)	**21.7**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Chloroform (67663)	**30.5**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Chloromethane (74873)	**23.9**	ug/L	1	0.5	2	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
2-Chlorotoluene (95498)	**25.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
4-Chlorotoluene (106434)	**26.4**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	**36.5**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	**28.5**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Dibromomethane (74953)	**27.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	**25.4**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	**25.3**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	**24.9**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Bromodichloromethane (75274)	**27.2**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,1-Dichloroethane (75343)	**25.1**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,2-Dichloroethane (107062)	**26.9**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,1-Dichloroethene (75354)	**22.6**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,2-Dichloropropane (78875)	**27.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,3-Dichloropropane (142289)	**27.3**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
2,2-Dichloropropane (594207)	**35.8**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,1-Dichloropropene (563586)	**27.6**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Ethylbenzene (100414)	**27.1**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Methylene chloride (75092)	**18.1**	ug/L	1	2	5	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	**22.2**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Xylene, m,p- (179601231)	**52.9**	ug/L	1	1	2	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Xylene, o- (95476)	**26.9**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	**26.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	**25.7**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	**25.9**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Tetrachloroethene (127184)	**26.2**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Toluene (108883)	**27.7**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	**24.4**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	**27.7**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	**28.5**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	**27.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	**27.7**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Trichloroethene (79016)	**27.6**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	**25.4**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Vinyl chloride (75014)	**21.9**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:06	GGL	08141812MB	-
Xylenes- Total (1330207)	**79.8**	ug/L	1	1.5	3	EPA 8260	08/14/18 16:06	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10	10	ug/L	1	100	08/14/18 16:06	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.65	10	ug/L	1	96.5	08/14/18 16:06	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.2	10	ug/L	1	102	08/14/18 16:06	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	10.2	10	ug/L	1	102	08/14/18 16:06	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MSD-1** Date Collected: **08/07/18 14:50** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-013** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	**26.9**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Bromobenzene (108861)	**25.4**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Bromoform (75252)	**25.9**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Bromomethane (74839)	**28.8**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Carbon tetrachloride (56235)	**25.8**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Chlorobenzene (108907)	**25.7**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Dibromochloromethane (124481)	**25.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Chloroethane (75003)	**20.8**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Chloroform (67663)	**28.7**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Chloromethane (74873)	**23.1**	ug/L	1	0.5	2	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
2-Chlorotoluene (95498)	**25.5**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
4-Chlorotoluene (106434)	**25.4**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	**33.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	**26.7**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Dibromomethane (74953)	**26.4**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	**25.2**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	**24.7**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	**24.9**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Bromodichloromethane (75274)	**25.7**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,1-Dichloroethane (75343)	**24.2**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,2-Dichloroethane (107062)	**25.4**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,1-Dichloroethene (75354)	**22.2**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,2-Dichloropropane (78875)	**26**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,3-Dichloropropane (142289)	**26.1**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
2,2-Dichloropropane (594207)	**34.3**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,1-Dichloropropene (563586)	**26.6**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Ethylbenzene (100414)	**25.6**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Methylene chloride (75092)	**17.2**	ug/L	1	2	5	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	**21.4**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Xylene, m,p- (179601231)	**43.6**	ug/L	1	1	2	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Xylene, o- (95476)	**26.1**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	**25.5**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	**25.4**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	**25.6**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Tetrachloroethene (127184)	**26.5**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Toluene (108883)	**26.2**	ug/L	1	0.5	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	**23.5**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	**26.7**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	**28.7**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	**25.6**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	**25.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Trichloroethene (79016)	**26.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	**24.8**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Vinyl chloride (75014)	**20.7**	ug/L	1	0.2	1	EPA 8260	08/14/18 16:35	GGL	08141812MB	-
Xylenes- Total (1330207)	**69.7**	ug/L	1	1.5	3	EPA 8260	08/14/18 16:35	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.1	10	ug/L	1	101	08/14/18 16:35	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.51	10	ug/L	1	95.1	08/14/18 16:35	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.75	10	ug/L	1	97.5	08/14/18 16:35	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	10.5	10	ug/L	1	105	08/14/18 16:35	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSSMW-08 (I)** Date Collected: **08/07/18 15:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-014** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 20:54	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 20:54	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.1	10	ug/L	1	101	08/14/18 20:54	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10	10	ug/L	1	100	08/14/18 20:54	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10	10	ug/L	1	100	08/14/18 20:54	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.2	10	ug/L	1	92	08/14/18 20:54	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-07D (I)** Date Collected: **08/07/18 16:05** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-015** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:22	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 21:22	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/14/18 21:22	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.4	10	ug/L	1	104	08/14/18 21:22	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.5	10	ug/L	1	95	08/14/18 21:22	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.2	10	ug/L	1	92	08/14/18 21:22	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-07 (S)** Date Collected: **08/07/18 16:05** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-016** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 21:51	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 21:51	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.3	10	ug/L	1	103	08/14/18 21:51	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.4	10	ug/L	1	104	08/14/18 21:51	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.8	10	ug/L	1	98	08/14/18 21:51	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.9	10	ug/L	1	89	08/14/18 21:51	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **EQUIP BLANK-1** Date Collected: **08/07/18 16:25** Matrix ID : **AQUEOUS-Other**
Lab Sample ID: **1808011-017** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:19	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 22:19	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.6	10	ug/L	1	106	08/14/18 22:19	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	08/14/18 22:19	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.7	10	ug/L	1	107	08/14/18 22:19	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.2	10	ug/L	1	92	08/14/18 22:19	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-08 (S)** Date Collected: **08/08/18 08:35** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-018** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	**43**	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,1-Dichloroethane (75343)	**2.9**	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	**6.1**	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 22:48	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 22:48	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.4	10	ug/L	1	104	08/14/18 22:48	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.1	10	ug/L	1	101	08/14/18 22:48	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.4	10	ug/L	1	94	08/14/18 22:48	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.5	10	ug/L	1	95	08/14/18 22:48	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-08D (I)** Date Collected: **08/08/18 09:05** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-019** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:16	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 23:16	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/14/18 23:16	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.2	10	ug/L	1	102	08/14/18 23:16	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.6	10	ug/L	1	96	08/14/18 23:16	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.2	10	ug/L	1	92	08/14/18 23:16	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-06 (I)** Date Collected: **08/08/18 10:40** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-020** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes	
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,1,1-Trichloroethane (71556)	**170**	ug/L	10	2	10	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	D10
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Trichloroethene (79016)	**19**	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 23:45	GGL	08141812MB	-	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.3	10	ug/L	1	103	08/14/18 23:45	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.4	10	ug/L	1	104	08/14/18 23:45	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.3	10	ug/L	1	93	08/14/18 23:45	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.1	10	ug/L	1	91	08/14/18 23:45	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **DUP-2** Date Collected: **08/08/18 10:41** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-021** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch		Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,1,1-Trichloroethane (71556)	**180**	ug/L	10	2	10	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	D10
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Trichloroethene (79016)	**19**	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 00:13	GGL	08141812MB	-	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/15/18 00:13	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.7	10	ug/L	1	97	08/15/18 00:13	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.7	10	ug/L	1	97	08/15/18 00:13	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8	10	ug/L	1	80	08/15/18 00:13	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-06D (D)** Date Collected: **08/08/18 11:05** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-022** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:28	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 14:28	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/15/18 14:28	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.9	10	ug/L	1	99	08/15/18 14:28	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.6	10	ug/L	1	96	08/15/18 14:28	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.8	10	ug/L	1	98	08/15/18 14:28	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSSMW-05 (I)** Date Collected: **08/08/18 11:47** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-023** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:25	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 16:25	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	08/15/18 16:25	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.5	10	ug/L	1	95	08/15/18 16:25	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.2	10	ug/L	1	102	08/15/18 16:25	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.7	10	ug/L	1	97	08/15/18 16:25	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-01 (S)** Date Collected: **08/08/18 14:00** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-024** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Tetrachloroethene (127184)	**12**	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	**40**	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Trichloroethene (79016)	**16**	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 16:53	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 16:53	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	08/15/18 16:53	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.6	10	ug/L	1	96	08/15/18 16:53	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.6	10	ug/L	1	96	08/15/18 16:53	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.5	10	ug/L	1	95	08/15/18 16:53	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-05 (S)** Date Collected: **08/08/18 14:40** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-025** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 17:56	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 17:56	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.1	10	ug/L	1	101	08/15/18 17:56	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.4	10	ug/L	1	104	08/15/18 17:56	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10	10	ug/L	1	100	08/15/18 17:56	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	10	10	ug/L	1	100	08/15/18 17:56	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-17 (I)** Date Collected: **08/08/18 15:15** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-026** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	**0.49 I**	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:24	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 18:24	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.3	10	ug/L	1	103	08/15/18 18:24	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.7	10	ug/L	1	97	08/15/18 18:24	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.6	10	ug/L	1	96	08/15/18 18:24	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.5	10	ug/L	1	95	08/15/18 18:24	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-16 (S)** Date Collected: **08/08/18 15:17** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-027** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	**2.3**	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,1-Dichloroethane (75343)	**0.91 I**	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Tetrachloroethene (127184)	**0.47 I**	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	**0.39 I**	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	**5.9**	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Trichloroethene (79016)	**5.6**	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 18:52	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 18:52	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.6	10	ug/L	1	106	08/15/18 18:52	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10	10	ug/L	1	100	08/15/18 18:52	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.5	10	ug/L	1	95	08/15/18 18:52	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.4	10	ug/L	1	94	08/15/18 18:52	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSSMW-15** Date Collected: **08/08/18 15:55** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-028** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	**26**	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,1-Dichloroethane (75343)	**7.1**	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Tetrachloroethene (127184)	**10**	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	**2.1**	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	**42**	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Trichloroethene (79016)	**54**	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:21	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 19:21	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.3	10	ug/L	1	103	08/15/18 19:21	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10	10	ug/L	1	100	08/15/18 19:21	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.1	10	ug/L	1	101	08/15/18 19:21	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.3	10	ug/L	1	93	08/15/18 19:21	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-03 (S)** Date Collected: **08/08/18 16:25** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-029** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 19:56	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 19:56	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/15/18 19:56	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.6	10	ug/L	1	96	08/15/18 19:56	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	8.9	10	ug/L	1	89	08/15/18 19:56	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.6	10	ug/L	1	96	08/15/18 19:56	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **EQUIP BLANK-2** Date Collected: **08/08/18 16:35** Matrix ID : **AQUEOUS-Other**
Lab Sample ID: **1808011-030** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:24	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 20:24	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.6	10	ug/L	1	106	08/15/18 20:24	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	08/15/18 20:24	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.6	10	ug/L	1	96	08/15/18 20:24	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.8	10	ug/L	1	98	08/15/18 20:24	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSSMW-04 (I)** Date Collected: **08/09/18 08:05** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-031** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 20:53	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 20:53	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.6	10	ug/L	1	106	08/15/18 20:53	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10	10	ug/L	1	100	08/15/18 20:53	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	8.3	10	ug/L	1	83	08/15/18 20:53	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.7	10	ug/L	1	97	08/15/18 20:53	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-P1 (S)** Date Collected: **08/09/18 08:40** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-032** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	**0.44 I**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Tetrachloroethene (127184)	**52**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	**26**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Trichloroethene (79016)	**48**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:21	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 21:21	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.4	10	ug/L	1	104	08/15/18 21:21	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.1	10	ug/L	1	101	08/15/18 21:21	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.2	10	ug/L	1	92	08/15/18 21:21	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	10	10	ug/L	1	100	08/15/18 21:21	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-04DR** Date Collected: **08/09/18 09:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-033** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,1-Dichloroethane (75343)	**3.9**	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Tetrachloroethene (127184)	**24**	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	**22**	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Trichloroethene (79016)	**53**	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 14:57	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 14:57	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.3	10	ug/L	1	103	08/15/18 14:57	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.8	10	ug/L	1	98	08/15/18 14:57	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.7	10	ug/L	1	97	08/15/18 14:57	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.8	10	ug/L	1	98	08/15/18 14:57	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MS-2** Date Collected: **08/09/18 09:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-034** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	26.6	ug/L	1	0.5	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Bromobenzene (108861)	23.8	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Bromoform (75252)	25.8	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Bromomethane (74839)	19.2	ug/L	1	0.5	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Carbon tetrachloride (56235)	22.4	ug/L	1	0.5	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Chlorobenzene (108907)	24.2	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Dibromochloromethane (124481)	25.3	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Chloroethane (75003)	18.1	ug/L	1	0.5	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Chloroform (67663)	28.4	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Chloromethane (74873)	20.1	ug/L	1	0.5	2	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
2-Chlorotoluene (95498)	24.1	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
4-Chlorotoluene (106434)	24.2	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	24.5	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	26.1	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Dibromomethane (74953)	25.3	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	23.9	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	23.5	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	23.5	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Bromodichloromethane (75274)	24.7	ug/L	1	0.5	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,1-Dichloroethane (75343)	26.2	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,2-Dichloroethane (107062)	24.9	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,1-Dichloroethene (75354)	19.8	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,2-Dichloropropane (78875)	25.5	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,3-Dichloropropane (142289)	26.2	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
2,2-Dichloropropane (594207)	32.2	ug/L	1	0.5	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,1-Dichloropropene (563586)	25.5	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Ethylbenzene (100414)	25.1	ug/L	1	0.5	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Methylene chloride (75092)	15.3	ug/L	1	2	5	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	20.5	ug/L	1	0.5	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Xylene, m,p- (179601231)	50.6	ug/L	1	1	2	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Xylene, o- (95476)	24.4	ug/L	1	0.5	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	24.7	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	25.5	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	25.2	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Tetrachloroethene (127184)	51.7	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Toluene (108883)	24.1	ug/L	1	0.5	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	21	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	25.5	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	26.5	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	47.3	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	26.7	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Trichloroethene (79016)	82.2	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	24.4	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Vinyl chloride (75014)	17.8	ug/L	1	0.2	1	EPA 8260	08/15/18 15:27	GGL	08151812MB	-
Xylenes- Total (1330207)	75	ug/L	1	1.5	3	EPA 8260	08/15/18 15:27	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.95	10	ug/L	1	99.5	08/15/18 15:27	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.49	10	ug/L	1	94.9	08/15/18 15:27	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.2	10	ug/L	1	102	08/15/18 15:27	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.98	10	ug/L	1	99.8	08/15/18 15:27	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MSD-2** Date Collected: **08/09/18 09:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-035** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	29.6	ug/L	1	0.5	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Bromobenzene (108861)	27.8	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Bromoform (75252)	28.6	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Bromomethane (74839)	21.9	ug/L	1	0.5	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Carbon tetrachloride (56235)	27.1	ug/L	1	0.5	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Chlorobenzene (108907)	27.9	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Dibromochloromethane (124481)	27.8	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Chloroethane (75003)	18.4	ug/L	1	0.5	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Chloroform (67663)	31.3	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Chloromethane (74873)	21.8	ug/L	1	0.5	2	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
2-Chlorotoluene (95498)	28.4	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
4-Chlorotoluene (106434)	28	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	27.4	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	28.4	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Dibromomethane (74953)	27.2	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	27.7	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	27.7	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	28.1	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Bromodichloromethane (75274)	27.1	ug/L	1	0.5	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,1-Dichloroethane (75343)	28.2	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,2-Dichloroethane (107062)	27.1	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,1-Dichloroethene (75354)	21.6	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,2-Dichloropropane (78875)	27.2	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,3-Dichloropropane (142289)	28.1	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
2,2-Dichloropropane (594207)	34.7	ug/L	1	0.5	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,1-Dichloropropene (563586)	28.9	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Ethylbenzene (100414)	28.8	ug/L	1	0.5	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Methylene chloride (75092)	16.7	ug/L	1	2	5	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	23.3	ug/L	1	0.5	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Xylene, m,p- (179601231)	59.3	ug/L	1	1	2	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Xylene, o- (95476)	28.9	ug/L	1	0.5	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	29.3	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	27.9	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	27.5	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Tetrachloroethene (127184)	53.9	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Toluene (108883)	28.3	ug/L	1	0.5	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	23.7	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	28	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	29.7	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	48.4	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	28.3	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Trichloroethene (79016)	84.6	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	27.3	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Vinyl chloride (75014)	19.2	ug/L	1	0.2	1	EPA 8260	08/15/18 15:56	GGL	08151812MB	-
Xylenes- Total (1330207)	88.2	ug/L	1	1.5	3	EPA 8260	08/15/18 15:56	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.97	10	ug/L	1	99.7	08/15/18 15:56	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.36	10	ug/L	1	93.6	08/15/18 15:56	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.81	10	ug/L	1	98.1	08/15/18 15:56	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	10.2	10	ug/L	1	102	08/15/18 15:56	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-04D2 (I)** Date Collected: **08/09/18 09:22** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-036** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Chloroform (67663)	**0.64 I**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	**47**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,1-Dichloroethane (75343)	**1.3**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Tetrachloroethene (127184)	**20**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	**2.1**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	**12**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Trichloroethene (79016)	**14**	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 21:51	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 21:51	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.4	10	ug/L	1	104	08/15/18 21:51	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	08/15/18 21:51	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.4	10	ug/L	1	94	08/15/18 21:51	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.5	10	ug/L	1	95	08/15/18 21:51	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSSMW-13 (D)** Date Collected: **08/09/18 09:57** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-037** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:19	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 22:19	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.7	10	ug/L	1	107	08/15/18 22:19	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.2	10	ug/L	1	102	08/15/18 22:19	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.5	10	ug/L	1	95	08/15/18 22:19	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.8	10	ug/L	1	98	08/15/18 22:19	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-02 (S)** Date Collected: **08/09/18 10:30** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-038** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch		Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Chloroform (67663)	**0.28 I**	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
cis-1,2-Dichloroethene (156592)	**18**	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,1-Dichloroethane (75343)	**5.7**	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,1-Dichloroethene (75354)	**3.7**	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Tetrachloroethene (127184)	**110**	ug/L	10	2	10	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	D10
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
trans-1,2-Dichloroethene (156605)	**1.4**	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
1,1,1-Trichloroethane (71556)	**130**	ug/L	10	2	10	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	D10
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Trichloroethene (79016)	**310**	ug/L	10	2	10	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	D10
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 22:47	GGL	08151812MB	-	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.4	10	ug/L	1	104	08/15/18 22:47	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.1	10	ug/L	1	101	08/15/18 22:47	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.8	10	ug/L	1	98	08/15/18 22:47	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.9	10	ug/L	1	99	08/15/18 22:47	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **DUP-3** Date Collected: **08/09/18 08:41** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-039** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	**0.71 I**	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Tetrachloroethene (127184)	**55**	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	**26**	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Trichloroethene (79016)	**48**	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:15	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 23:15	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.5	10	ug/L	1	105	08/15/18 23:15	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	08/15/18 23:15	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.3	10	ug/L	1	103	08/15/18 23:15	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.9	10	ug/L	1	99	08/15/18 23:15	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **DUP-4** Date Collected: **08/09/18 10:31** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-040** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch		Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Chloroform (67663)	**0.28 I**	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
cis-1,2-Dichloroethene (156592)	**26**	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,1-Dichloroethane (75343)	**5.9**	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,1-Dichloroethene (75354)	**3.7**	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Tetrachloroethene (127184)	**130**	ug/L	10	2	10	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	D10
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
trans-1,2-Dichloroethene (156605)	**1.4**	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
1,1,1-Trichloroethane (71556)	**150**	ug/L	10	2	10	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	D10
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Trichloroethene (79016)	**340**	ug/L	10	2	10	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	D10
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 23:45	GGL	08151812MB	-	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.4	10	ug/L	1	104	08/15/18 23:45	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	08/15/18 23:45	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.8	10	ug/L	1	98	08/15/18 23:45	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.7	10	ug/L	1	97	08/15/18 23:45	GGL	08151812MB	30-170	

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Southern Research Laboratories, Inc
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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **MW-02D (I)** Date Collected: **08/09/18 10:35** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-041** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch		Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
cis-1,2-Dichloroethene (156592)	**24**	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,1-Dichloroethane (75343)	**5.2**	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,1-Dichloroethene (75354)	**5.7**	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Tetrachloroethene (127184)	**170**	ug/L	10	2	10	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	D10
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
trans-1,2-Dichloroethene (156605)	**1.3**	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
1,1,1-Trichloroethane (71556)	**180**	ug/L	10	2	10	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	D10
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Trichloroethene (79016)	**400**	ug/L	10	2	10	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	D10
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/16/18 00:13	GGL	08151812MB	-	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/16/18 00:13	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10	10	ug/L	1	100	08/16/18 00:13	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.6	10	ug/L	1	96	08/16/18 00:13	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.5	10	ug/L	1	95	08/16/18 00:13	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **GSSMW-12 (D)** Date Collected: **08/09/18 11:03** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-042** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	**1.6**	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,1-Dichloroethane (75343)	**0.94 I**	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Tetrachloroethene (127184)	**5.9**	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	**0.24 I**	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	**14**	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Trichloroethene (79016)	**17**	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/16/18 00:41	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/16/18 00:41	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.5	10	ug/L	1	105	08/16/18 00:41	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.1	10	ug/L	1	101	08/16/18 00:41	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	8.7	10	ug/L	1	87	08/16/18 00:41	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.5	10	ug/L	1	95	08/16/18 00:41	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **EQUIP BLANK-3** Date Collected: **08/09/18 11:45** Matrix ID : **AQUEOUS-Other**
Lab Sample ID: **1808011-043** Collected By: **Brad Sperry/Jacob Whitson**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/15/18 13:59	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/15/18 13:59	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	08/15/18 13:59	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.6	10	ug/L	1	96	08/15/18 13:59	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.9	10	ug/L	1	99	08/15/18 13:59	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	10	10	ug/L	1	100	08/15/18 13:59	GGL	08151812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Analytical Results **********

Client Sample ID: **TRIP BLANK** Date Collected: **08/09/18 17:00** Matrix ID : **AQUEOUS-Other**
Lab Sample ID: **1808011-044** Collected By: **LAB**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	08/14/18 14:11	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	08/14/18 14:11	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.1	10	ug/L	1	101	08/14/18 14:11	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.1	10	ug/L	1	101	08/14/18 14:11	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.8	10	ug/L	1	98	08/14/18 14:11	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.1	10	ug/L	1	91	08/14/18 14:11	GGL	08141812MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Detection Summary : **********

Client Sample ID: **MS-1** Date Collected: **08/07/18 14:50** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-012** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Benzene (71432)	28.4	ug/L	1	0.5	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Bromobenzene (108861)	26.4	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Bromoform (75252)	27.8	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Bromomethane (74839)	20.8	ug/L	1	0.5	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Carbon tetrachloride (56235)	27.1	ug/L	1	0.5	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Chlorobenzene (108907)	27.1	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Dibromochloromethane (124481)	27.1	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Chloroethane (75003)	21.7	ug/L	1	0.5	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Chloroform (67663)	30.5	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Chloromethane (74873)	23.9	ug/L	1	0.5	2	08/14/18 16:06	GGL	08141812MB	EPA 8260
2-Chlorotoluene (95498)	25.8	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
4-Chlorotoluene (106434)	26.4	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
cis-1,2-Dichloroethene (156592)	36.5	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
cis-1,3-Dichloropropene (10061015)	28.5	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Dibromomethane (74953)	27.8	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,2-Dichlorobenzene (95501)	25.4	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,3-Dichlorobenzene (541731)	25.3	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,4-Dichlorobenzene (106467)	24.9	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Bromodichloromethane (75274)	27.2	ug/L	1	0.5	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,1-Dichloroethane (75343)	25.1	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,2-Dichloroethane (107062)	26.9	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,1-Dichloroethene (75354)	22.6	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,2-Dichloropropane (78875)	27.8	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,3-Dichloropropane (142289)	27.3	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
2,2-Dichloropropane (594207)	35.8	ug/L	1	0.5	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,1-Dichloropropene (563586)	27.6	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Ethylbenzene (100414)	27.1	ug/L	1	0.5	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Methylene chloride (75092)	18.1	ug/L	1	2	5	08/14/18 16:06	GGL	08141812MB	EPA 8260
Methyl-t-butyl ether (1634044)	22.2	ug/L	1	0.5	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Xylene, m,p- (179601231)	52.9	ug/L	1	1	2	08/14/18 16:06	GGL	08141812MB	EPA 8260
Xylene, o- (95476)	26.9	ug/L	1	0.5	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Styrene (Phenylethylene) (100425)	26.8	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,1,1,2-Tetrachloroethane (630206)	25.7	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,1,2,2-Tetrachloroethane (79345)	25.9	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Tetrachloroethene (127184)	26.2	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Toluene (108883)	27.7	ug/L	1	0.5	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	24.4	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
trans-1,3-Dichloropropene	27.7	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,2,4-Trichlorobenzene (120821)	28.5	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,1,1-Trichloroethane (71556)	27.8	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,1,2-Trichloroethane (79005)	27.7	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Trichloroethene (79016)	27.6	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
1,2,3-Trichloropropane (96184)	25.4	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Vinyl chloride (75014)	21.9	ug/L	1	0.2	1	08/14/18 16:06	GGL	08141812MB	EPA 8260
Xylenes- Total (1330207)	79.8	ug/L	1	1.5	3	08/14/18 16:06	GGL	08141812MB	EPA 8260

Client Sample ID: **MSD-1** Date Collected: **08/07/18 14:50** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-013** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Benzene (71432)	26.9	ug/L	1	0.5	1	08/14/18 16:35	GGL	08141812MB	EPA 8260

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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

Client Sample ID: **MSD-1** Date Collected: **08/07/18 14:50** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-013** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Bromobenzene (108861)	**25.4**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Bromoform (75252)	**25.9**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Bromomethane (74839)	**28.8**	ug/L	1	0.5	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Carbon tetrachloride (56235)	**25.8**	ug/L	1	0.5	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Chlorobenzene (108907)	**25.7**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Dibromochloromethane (124481)	**25.8**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Chloroethane (75003)	**20.8**	ug/L	1	0.5	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Chloroform (67663)	**28.7**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Chloromethane (74873)	**23.1**	ug/L	1	0.5	2	08/14/18 16:35	GGL	08141812MB	EPA 8260
2-Chlorotoluene (95498)	**25.5**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
4-Chlorotoluene (106434)	**25.4**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
cis-1,2-Dichloroethene (156592)	**33.8**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
cis-1,3-Dichloropropene (10061015)	**26.7**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Dibromomethane (74953)	**26.4**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,2-Dichlorobenzene (95501)	**25.2**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,3-Dichlorobenzene (541731)	**24.7**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,4-Dichlorobenzene (106467)	**24.9**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Bromodichloromethane (75274)	**25.7**	ug/L	1	0.5	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,1-Dichloroethane (75343)	**24.2**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,2-Dichloroethane (107062)	**25.4**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,1-Dichloroethene (75354)	**22.2**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,2-Dichloropropane (78875)	**26**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,3-Dichloropropane (142289)	**26.1**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
2,2-Dichloropropane (594207)	**34.3**	ug/L	1	0.5	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,1-Dichloropropene (563586)	**26.6**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Ethylbenzene (100414)	**25.6**	ug/L	1	0.5	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Methylene chloride (75092)	**17.2**	ug/L	1	2	5	08/14/18 16:35	GGL	08141812MB	EPA 8260
Methyl-t-butyl ether (1634044)	**21.4**	ug/L	1	0.5	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Xylene, m,p- (179601231)	**43.6**	ug/L	1	1	2	08/14/18 16:35	GGL	08141812MB	EPA 8260
Xylene, o- (95476)	**26.1**	ug/L	1	0.5	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Styrene (Phenylethylene) (100425)	**25.5**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,1,1,2-Tetrachloroethane (630206)	**25.4**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,1,2,2-Tetrachloroethane (79345)	**25.6**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Tetrachloroethene (127184)	**26.5**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Toluene (108883)	**26.2**	ug/L	1	0.5	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**23.5**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
trans-1,3-Dichloropropene	**26.7**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,2,4-Trichlorobenzene (120821)	**28.7**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**25.6**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,1,2-Trichloroethane (79005)	**25.8**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Trichloroethene (79016)	**26.8**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
1,2,3-Trichloropropane (96184)	**24.8**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Vinyl chloride (75014)	**20.7**	ug/L	1	0.2	1	08/14/18 16:35	GGL	08141812MB	EPA 8260
Xylenes- Total (1330207)	**69.7**	ug/L	1	1.5	3	08/14/18 16:35	GGL	08141812MB	EPA 8260

Client Sample ID: **MW-08 (S)** Date Collected: **08/08/18 08:35** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-018** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**43**	ug/L	1	0.2	1	08/14/18 22:48	GGL	08141812MB	EPA 8260
1,1-Dichloroethane (75343)	**2.9**	ug/L	1	0.2	1	08/14/18 22:48	GGL	08141812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**6.1**	ug/L	1	0.2	1	08/14/18 22:48	GGL	08141812MB	EPA 8260

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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

Client Sample ID: **MW-06 (I)** Date Collected: **08/08/18 10:40** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-020** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
1,1,1-Trichloroethane (71556)	**170**	ug/L	10	2	10	08/14/18 23:45	GGL	08141812MB	EPA 8260
Trichloroethene (79016)	**19**	ug/L	1	0.2	1	08/14/18 23:45	GGL	08141812MB	EPA 8260

Client Sample ID: **DUP-2** Date Collected: **08/08/18 10:41** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-021** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
1,1,1-Trichloroethane (71556)	**180**	ug/L	10	2	10	08/15/18 00:13	GGL	08141812MB	EPA 8260
Trichloroethene (79016)	**19**	ug/L	1	0.2	1	08/15/18 00:13	GGL	08141812MB	EPA 8260

Client Sample ID: **MW-01 (S)** Date Collected: **08/08/18 14:00** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-024** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Tetrachloroethene (127184)	**12**	ug/L	1	0.2	1	08/15/18 16:53	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**40**	ug/L	1	0.2	1	08/15/18 16:53	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**16**	ug/L	1	0.2	1	08/15/18 16:53	GGL	08151812MB	EPA 8260

Client Sample ID: **MW-17 (I)** Date Collected: **08/08/18 15:15** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-026** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**0.49 I**	ug/L	1	0.2	1	08/15/18 18:24	GGL	08151812MB	EPA 8260

Client Sample ID: **MW-16 (S)** Date Collected: **08/08/18 15:17** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-027** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**2.3**	ug/L	1	0.2	1	08/15/18 18:52	GGL	08151812MB	EPA 8260
1,1-Dichloroethane (75343)	**0.91 I**	ug/L	1	0.2	1	08/15/18 18:52	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**0.47 I**	ug/L	1	0.2	1	08/15/18 18:52	GGL	08151812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**0.39 I**	ug/L	1	0.2	1	08/15/18 18:52	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**5.9**	ug/L	1	0.2	1	08/15/18 18:52	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**5.6**	ug/L	1	0.2	1	08/15/18 18:52	GGL	08151812MB	EPA 8260

Client Sample ID: **GSSMW-15** Date Collected: **08/08/18 15:55** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-028** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**26**	ug/L	1	0.2	1	08/15/18 19:21	GGL	08151812MB	EPA 8260
1,1-Dichloroethane (75343)	**7.1**	ug/L	1	0.2	1	08/15/18 19:21	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**10**	ug/L	1	0.2	1	08/15/18 19:21	GGL	08151812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**2.1**	ug/L	1	0.2	1	08/15/18 19:21	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**42**	ug/L	1	0.2	1	08/15/18 19:21	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**54**	ug/L	1	0.2	1	08/15/18 19:21	GGL	08151812MB	EPA 8260

Client Sample ID: **MW-P1 (S)** Date Collected: **08/09/18 08:40** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-032** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**0.44 I**	ug/L	1	0.2	1	08/15/18 21:21	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**52**	ug/L	1	0.2	1	08/15/18 21:21	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**26**	ug/L	1	0.2	1	08/15/18 21:21	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**48**	ug/L	1	0.2	1	08/15/18 21:21	GGL	08151812MB	EPA 8260

Client Sample ID: **MW-04DR** Date Collected: **08/09/18 09:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-033** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
1,1-Dichloroethane (75343)	**3.9**	ug/L	1	0.2	1	08/15/18 14:57	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**24**	ug/L	1	0.2	1	08/15/18 14:57	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**22**	ug/L	1	0.2	1	08/15/18 14:57	GGL	08151812MB	EPA 8260

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

Client Sample ID: **MW-04DR** Date Collected: **08/09/18 09:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-033** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Trichloroethene (79016)	**53**	ug/L	1	0.2	1	08/15/18 14:57	GGL	08151812MB	EPA 8260

Client Sample ID: **MS-2** Date Collected: **08/09/18 09:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-034** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Benzene (71432)	**26.6**	ug/L	1	0.5	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Bromobenzene (108861)	**23.8**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Bromoform (75252)	**25.8**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Bromomethane (74839)	**19.2**	ug/L	1	0.5	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Carbon tetrachloride (56235)	**22.4**	ug/L	1	0.5	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Chlorobenzene (108907)	**24.2**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Dibromochloromethane (124481)	**25.3**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Chloroethane (75003)	**18.1**	ug/L	1	0.5	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Chloroform (67663)	**28.4**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Chloromethane (74873)	**20.1**	ug/L	1	0.5	2	08/15/18 15:27	GGL	08151812MB	EPA 8260
2-Chlorotoluene (95498)	**24.1**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
4-Chlorotoluene (106434)	**24.2**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
cis-1,2-Dichloroethene (156592)	**24.5**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
cis-1,3-Dichloropropene (10061015)	**26.1**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Dibromomethane (74953)	**25.3**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,2-Dichlorobenzene (95501)	**23.9**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,3-Dichlorobenzene (541731)	**23.5**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,4-Dichlorobenzene (106467)	**23.5**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Bromodichloromethane (75274)	**24.7**	ug/L	1	0.5	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,1-Dichloroethane (75343)	**26.2**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,2-Dichloroethane (107062)	**24.9**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,1-Dichloroethene (75354)	**19.8**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,2-Dichloropropane (78875)	**25.5**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,3-Dichloropropane (142289)	**26.2**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
2,2-Dichloropropane (594207)	**32.2**	ug/L	1	0.5	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,1-Dichloropropene (563586)	**25.5**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Ethylbenzene (100414)	**25.1**	ug/L	1	0.5	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Methylene chloride (75092)	**15.3**	ug/L	1	2	5	08/15/18 15:27	GGL	08151812MB	EPA 8260
Methyl-t-butyl ether (1634044)	**20.5**	ug/L	1	0.5	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Xylene, m,p- (179601231)	**50.6**	ug/L	1	1	2	08/15/18 15:27	GGL	08151812MB	EPA 8260
Xylene, o- (95476)	**24.4**	ug/L	1	0.5	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Styrene (Phenylethylene) (100425)	**24.7**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,1,1,2-Tetrachloroethane (630206)	**25.5**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,1,2,2-Tetrachloroethane (79345)	**25.2**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**51.7**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Toluene (108883)	**24.1**	ug/L	1	0.5	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**21**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
trans-1,3-Dichloropropene	**25.5**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,2,4-Trichlorobenzene (120821)	**26.5**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**47.3**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,1,2-Trichloroethane (79005)	**26.7**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**82.2**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
1,2,3-Trichloropropane (96184)	**24.4**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Vinyl chloride (75014)	**17.8**	ug/L	1	0.2	1	08/15/18 15:27	GGL	08151812MB	EPA 8260
Xylenes- Total (1330207)	**75**	ug/L	1	1.5	3	08/15/18 15:27	GGL	08151812MB	EPA 8260

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Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

Client Sample ID: **MSD-2** Date Collected: **08/09/18 09:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-035** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Benzene (71432)	**29.6**	ug/L	1	0.5	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Bromobenzene (108861)	**27.8**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Bromoform (75252)	**28.6**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Bromomethane (74839)	**21.9**	ug/L	1	0.5	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Carbon tetrachloride (56235)	**27.1**	ug/L	1	0.5	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Chlorobenzene (108907)	**27.9**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Dibromochloromethane (124481)	**27.8**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Chloroethane (75003)	**18.4**	ug/L	1	0.5	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Chloroform (67663)	**31.3**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Chloromethane (74873)	**21.8**	ug/L	1	0.5	2	08/15/18 15:56	GGL	08151812MB	EPA 8260
2-Chlorotoluene (95498)	**28.4**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
4-Chlorotoluene (106434)	**28**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
cis-1,2-Dichloroethene (156592)	**27.4**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
cis-1,3-Dichloropropene (10061015)	**28.4**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Dibromomethane (74953)	**27.2**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,2-Dichlorobenzene (95501)	**27.7**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,3-Dichlorobenzene (541731)	**27.7**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,4-Dichlorobenzene (106467)	**28.1**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Bromodichloromethane (75274)	**27.1**	ug/L	1	0.5	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,1-Dichloroethane (75343)	**28.2**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,2-Dichloroethane (107062)	**27.1**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,1-Dichloroethene (75354)	**21.6**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,2-Dichloropropane (78875)	**27.2**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,3-Dichloropropane (142289)	**28.1**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
2,2-Dichloropropane (594207)	**34.7**	ug/L	1	0.5	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,1-Dichloropropene (563586)	**28.9**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Ethylbenzene (100414)	**28.8**	ug/L	1	0.5	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Methylene chloride (75092)	**16.7**	ug/L	1	2	5	08/15/18 15:56	GGL	08151812MB	EPA 8260
Methyl-t-butyl ether (1634044)	**23.3**	ug/L	1	0.5	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Xylene, m,p- (179601231)	**59.3**	ug/L	1	1	2	08/15/18 15:56	GGL	08151812MB	EPA 8260
Xylene, o- (95476)	**28.9**	ug/L	1	0.5	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Styrene (Phenylethylene) (100425)	**29.3**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,1,1,2-Tetrachloroethane (630206)	**27.9**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,1,2,2-Tetrachloroethane (79345)	**27.5**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**53.9**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Toluene (108883)	**28.3**	ug/L	1	0.5	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**23.7**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
trans-1,3-Dichloropropene	**28**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,2,4-Trichlorobenzene (120821)	**29.7**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**48.4**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,1,2-Trichloroethane (79005)	**28.3**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**84.6**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
1,2,3-Trichloropropane (96184)	**27.3**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Vinyl chloride (75014)	**19.2**	ug/L	1	0.2	1	08/15/18 15:56	GGL	08151812MB	EPA 8260
Xylenes- Total (1330207)	**88.2**	ug/L	1	1.5	3	08/15/18 15:56	GGL	08151812MB	EPA 8260

Client Sample ID: **MW-04D2 (I)** Date Collected: **08/09/18 09:22** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-036** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Chloroform (67663)	**0.64 I**	ug/L	1	0.2	1	08/15/18 21:51	GGL	08151812MB	EPA 8260
cis-1,2-Dichloroethene (156592)	**47**	ug/L	1	0.2	1	08/15/18 21:51	GGL	08151812MB	EPA 8260

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

Client Sample ID: **MW-04D2 (I)** Date Collected: **08/09/18 09:22** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-036** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
1,1-Dichloroethane (75343)	**1.3**	ug/L	1	0.2	1	08/15/18 21:51	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**20**	ug/L	1	0.2	1	08/15/18 21:51	GGL	08151812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**2.1**	ug/L	1	0.2	1	08/15/18 21:51	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**12**	ug/L	1	0.2	1	08/15/18 21:51	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**14**	ug/L	1	0.2	1	08/15/18 21:51	GGL	08151812MB	EPA 8260

Client Sample ID: **MW-02 (S)** Date Collected: **08/09/18 10:30** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-038** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Chloroform (67663)	**0.28 I**	ug/L	1	0.2	1	08/15/18 22:47	GGL	08151812MB	EPA 8260
cis-1,2-Dichloroethene (156592)	**18**	ug/L	1	0.2	1	08/15/18 22:47	GGL	08151812MB	EPA 8260
1,1-Dichloroethane (75343)	**5.7**	ug/L	1	0.2	1	08/15/18 22:47	GGL	08151812MB	EPA 8260
1,1-Dichloroethene (75354)	**3.7**	ug/L	1	0.2	1	08/15/18 22:47	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**110**	ug/L	10	2	10	08/15/18 22:47	GGL	08151812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**1.4**	ug/L	1	0.2	1	08/15/18 22:47	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**130**	ug/L	10	2	10	08/15/18 22:47	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**310**	ug/L	10	2	10	08/15/18 22:47	GGL	08151812MB	EPA 8260

Client Sample ID: **DUP-3** Date Collected: **08/09/18 08:41** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-039** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**0.71 I**	ug/L	1	0.2	1	08/15/18 23:15	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**55**	ug/L	1	0.2	1	08/15/18 23:15	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**26**	ug/L	1	0.2	1	08/15/18 23:15	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**48**	ug/L	1	0.2	1	08/15/18 23:15	GGL	08151812MB	EPA 8260

Client Sample ID: **DUP-4** Date Collected: **08/09/18 10:31** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-040** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Chloroform (67663)	**0.28 I**	ug/L	1	0.2	1	08/15/18 23:45	GGL	08151812MB	EPA 8260
cis-1,2-Dichloroethene (156592)	**26**	ug/L	1	0.2	1	08/15/18 23:45	GGL	08151812MB	EPA 8260
1,1-Dichloroethane (75343)	**5.9**	ug/L	1	0.2	1	08/15/18 23:45	GGL	08151812MB	EPA 8260
1,1-Dichloroethene (75354)	**3.7**	ug/L	1	0.2	1	08/15/18 23:45	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**130**	ug/L	10	2	10	08/15/18 23:45	GGL	08151812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**1.4**	ug/L	1	0.2	1	08/15/18 23:45	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**150**	ug/L	10	2	10	08/15/18 23:45	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**340**	ug/L	10	2	10	08/15/18 23:45	GGL	08151812MB	EPA 8260

Client Sample ID: **MW-02D (I)** Date Collected: **08/09/18 10:35** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-041** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**24**	ug/L	1	0.2	1	08/16/18 00:13	GGL	08151812MB	EPA 8260
1,1-Dichloroethane (75343)	**5.2**	ug/L	1	0.2	1	08/16/18 00:13	GGL	08151812MB	EPA 8260
1,1-Dichloroethene (75354)	**5.7**	ug/L	1	0.2	1	08/16/18 00:13	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**170**	ug/L	10	2	10	08/16/18 00:13	GGL	08151812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**1.3**	ug/L	1	0.2	1	08/16/18 00:13	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**180**	ug/L	10	2	10	08/16/18 00:13	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**400**	ug/L	10	2	10	08/16/18 00:13	GGL	08151812MB	EPA 8260

Client Sample ID: **GSSMW-12 (D)** Date Collected: **08/09/18 11:03** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-042** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**1.6**	ug/L	1	0.2	1	08/16/18 00:41	GGL	08151812MB	EPA 8260

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Southern Research Laboratories, Inc
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(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

Client Sample ID: **GSSMW-12 (D)** Date Collected: **08/09/18 11:03** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-042** Collected By: **Brad Sperry/Jacob Whitson**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
1,1-Dichloroethane (75343)	**0.94 I**	ug/L	1	0.2	1	08/16/18 00:41	GGL	08151812MB	EPA 8260
Tetrachloroethene (127184)	**5.9**	ug/L	1	0.2	1	08/16/18 00:41	GGL	08151812MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**0.24 I**	ug/L	1	0.2	1	08/16/18 00:41	GGL	08151812MB	EPA 8260
1,1,1-Trichloroethane (71556)	**14**	ug/L	1	0.2	1	08/16/18 00:41	GGL	08151812MB	EPA 8260
Trichloroethene (79016)	**17**	ug/L	1	0.2	1	08/16/18 00:41	GGL	08151812MB	EPA 8260

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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Quality Control : **********

Method Blank(MB) EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **Method Blank** Date Collected: **08/14/18 12:44** Matrix ID : **AQUEOUS-Other**
Lab Sample ID: **1808011-045** Date Prepared: **08/14/18 12:44**

EPA 8260

Analyte Name (Analyte ID)	Results/Qual		Units	DF	MDL	PQL	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5	U	ug/L	1	0.5	1	08/14/18 12:44	GGL	08141812MB	-
Bromobenzene (108861)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Bromoform (75252)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Bromomethane (74839)	0.5	U	ug/L	1	0.5	1	08/14/18 12:44	GGL	08141812MB	-
Carbon tetrachloride (56235)	0.5	U	ug/L	1	0.5	1	08/14/18 12:44	GGL	08141812MB	-
Chlorobenzene (108907)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Dibromochloromethane (124481)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Chloroethane (75003)	0.5	U	ug/L	1	0.5	1	08/14/18 12:44	GGL	08141812MB	-
Chloroform (67663)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Chloromethane (74873)	0.5	U	ug/L	1	0.5	2	08/14/18 12:44	GGL	08141812MB	-
2-Chlorotoluene (95498)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
4-Chlorotoluene (106434)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
cis-1,2-Dichloroethene (156592)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
cis-1,3-Dichloropropene (10061015)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Dibromomethane (74953)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,2-Dichlorobenzene (95501)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,3-Dichlorobenzene (541731)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,4-Dichlorobenzene (106467)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Bromodichloromethane (75274)	0.5	U	ug/L	1	0.5	1	08/14/18 12:44	GGL	08141812MB	-
1,1-Dichloroethane (75343)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,2-Dichloroethane (107062)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,1-Dichloroethene (75354)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,2-Dichloropropane (78875)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,3-Dichloropropane (142289)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
2,2-Dichloropropane (594207)	0.5	U	ug/L	1	0.5	1	08/14/18 12:44	GGL	08141812MB	-
1,1-Dichloropropene (563586)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Ethylbenzene (100414)	0.5	U	ug/L	1	0.5	1	08/14/18 12:44	GGL	08141812MB	-
Methylene chloride (75092)	2	U	ug/L	1	2	5	08/14/18 12:44	GGL	08141812MB	-
Methyl-t-butyl ether (1634044)	0.5	U	ug/L	1	0.5	1	08/14/18 12:44	GGL	08141812MB	-
Xylene, m,p- (179601231)	1	U	ug/L	1	1	2	08/14/18 12:44	GGL	08141812MB	-
Xylene, o- (95476)	0.5	U	ug/L	1	0.5	1	08/14/18 12:44	GGL	08141812MB	-
Styrene (Phenylethylene) (100425)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Tetrachloroethene (127184)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Toluene (108883)	0.5	U	ug/L	1	0.5	1	08/14/18 12:44	GGL	08141812MB	-
trans-1,2-Dichloroethene (156605)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
trans-1,3-Dichloropropene (10061026)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,2,4-Trichlorobenzene (120821)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,1,1-Trichloroethane (71556)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,1,2-Trichloroethane (79005)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Trichloroethene (79016)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
1,2,3-Trichloropropane (96184)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Vinyl chloride (75014)	0.2	U	ug/L	1	0.2	1	08/14/18 12:44	GGL	08141812MB	-
Xylenes- Total (1330207)	1.5	U	ug/L	1	1.5	3	08/14/18 12:44	GGL	08141812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.4	10	ug/L	1	104	08/14/18 12:44	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.6	10	ug/L	1	106	08/14/18 12:44	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.2	10	ug/L	1	92	08/14/18 12:44	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.8	10	ug/L	1	98	08/14/18 12:44	GGL	08141812MB	30-170	

Laboratory Control Standard(LCS) EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **LCS** Date Collected: **08/14/18 12:44** Matrix ID : **AQUEOUS-Other**
Lab Sample ID: **1808011-046** Date Prepared: **08/14/18 12:44**

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Quality Control : **********

Laboratory Control Standard(LCS) — EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **LCS** — Date Collected: **08/14/18 12:44** — Matrix ID : **AQUEOUS-Other**
Lab Sample ID: **1808011-046** — Date Prepared: **08/14/18 12:44**

EPA 8260

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Benzene (71432)	26.8	25	ug/L	1	0.5	1	107.2	08/14/18 13:41	GGL	08141812MB	30-170	
Chlorobenzene (108907)	26.1	25	ug/L	1	0.2	1	104.4	08/14/18 13:41	GGL	08141812MB	30-170	
Chloroform (67663)	28.4	25	ug/L	1	0.2	1	113.6	08/14/18 13:41	GGL	08141812MB	30-170	
1,1-Dichloroethene (75354)	21.3	25	ug/L	1	0.2	1	85.2	08/14/18 13:41	GGL	08141812MB	30-170	
1,2-Dichloropropane (78875)	26.4	25	ug/L	1	0.2	1	105.6	08/14/18 13:41	GGL	08141812MB	30-170	
Ethylbenzene (100414)	25	25	ug/L	1	0.5	1	100	08/14/18 13:41	GGL	08141812MB	30-170	
Xylene, o- (95476)	25.6	25	ug/L	1	0.5	1	102.4	08/14/18 13:41	GGL	08141812MB	30-170	
Tetrachloroethene (127184)	25.3	25	ug/L	1	0.2	1	101.2	08/14/18 13:41	GGL	08141812MB	30-170	
Toluene (108883)	24.6	25	ug/L	1	0.5	1	98.4	08/14/18 13:41	GGL	08141812MB	30-170	
trans-1,2-Dichloroethene (156605)	22.6	25	ug/L	1	0.2	1	90.4	08/14/18 13:41	GGL	08141812MB	30-170	
Trichloroethene (79016)	24.9	25	ug/L	1	0.2	1	99.6	08/14/18 13:41	GGL	08141812MB	30-170	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	08/14/18 13:41	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.7	10	ug/L	1	97	08/14/18 13:41	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.3	10	ug/L	1	103	08/14/18 13:41	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.9	10	ug/L	1	99	08/14/18 13:41	GGL	08141812MB	30-170	

Matrix Spike(MS) — EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **GSSMW-09 (I) MS** — Date Collected: **08/07/18 14:50** — Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-047** — Date Prepared: **08/14/18 12:44**

EPA 8260

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Benzene (71432)	28.4	25	ug/L	1	0.5	1	113.6	08/14/18 16:06	GGL	08141812MB	30-170	
Chlorobenzene (108907)	27.1	25	ug/L	1	0.2	1	108.4	08/14/18 16:06	GGL	08141812MB	30-170	
Chloroform (67663)	30.5	25	ug/L	1	0.2	1	122	08/14/18 16:06	GGL	08141812MB	30-170	
1,1-Dichloroethene (75354)	22.6	25	ug/L	1	0.2	1	90.4	08/14/18 16:06	GGL	08141812MB	30-170	
1,2-Dichloropropane (78875)	27.8	25	ug/L	1	0.2	1	111.2	08/14/18 16:06	GGL	08141812MB	30-170	
Ethylbenzene (100414)	27.1	25	ug/L	1	0.5	1	108.4	08/14/18 16:06	GGL	08141812MB	30-170	
Xylene, o- (95476)	27	25	ug/L	1	0.5	1	108	08/14/18 16:06	GGL	08141812MB	30-170	
Tetrachloroethene (127184)	26.2	25	ug/L	1	0.2	1	104.8	08/14/18 16:06	GGL	08141812MB	30-170	
Toluene (108883)	27.7	25	ug/L	1	0.5	1	110.8	08/14/18 16:06	GGL	08141812MB	30-170	
trans-1,2-Dichloroethene (156605)	24.4	25	ug/L	1	0.2	1	97.6	08/14/18 16:06	GGL	08141812MB	30-170	
Trichloroethene (79016)	27.6	25	ug/L	1	0.2	1	110.4	08/14/18 16:06	GGL	08141812MB	30-170	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10	10	ug/L	1	100	08/14/18 16:06	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.6	10	ug/L	1	96	08/14/18 16:06	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.2	10	ug/L	1	102	08/14/18 16:06	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	10.2	10	ug/L	1	102	08/14/18 16:06	GGL	08141812MB	30-170	

Matrix Spike Dup(MSD) — EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **GSSMW-09 (I) MSD** — Date Collected: **08/07/18 14:50** — Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-048** — Date Prepared: **08/14/18 12:44**

EPA 8260

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%RPD	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Benzene (71432)	26.9	25	ug/L	1	0.5	1	5.4	107.6	08/14/18 16:35	GGL	08141812MB	30-170	
Chlorobenzene (108907)	25.7	25	ug/L	1	0.2	1	5.3	102.8	08/14/18 16:35	GGL	08141812MB	30-170	
Chloroform (67663)	28.7	25	ug/L	1	0.2	1	6.1	114.8	08/14/18 16:35	GGL	08141812MB	30-170	
1,1-Dichloroethene (75354)	22.2	25	ug/L	1	0.2	1	1.8	88.8	08/14/18 16:35	GGL	08141812MB	30-170	
1,2-Dichloropropane (78875)	26	25	ug/L	1	0.2	1	6.7	104	08/14/18 16:35	GGL	08141812MB	30-170	
Ethylbenzene (100414)	25.6	25	ug/L	1	0.5	1	5.7	102.4	08/14/18 16:35	GGL	08141812MB	30-170	
Xylene, o- (95476)	26.1	25	ug/L	1	0.5	1	3.4	104.4	08/14/18 16:35	GGL	08141812MB	30-170	
Tetrachloroethene (127184)	26.5	25	ug/L	1	0.2	1	1.1	106	08/14/18 16:35	GGL	08141812MB	30-170	

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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Quality Control : **********

Matrix Spike Dup(MSD) — EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **GSSMW-09 (I) MSD** — Date Collected: **08/07/18 14:50** — Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-048** — Date Prepared: **08/14/18 12:44**

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%RPD	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Toluene (108883)	26.2	25	ug/L	1	0.5	1	5.6	104.8	08/14/18 16:35	GGL	08141812MB	30-170	
trans-1,2-Dichloroethene (156605)	23.5	25	ug/L	1	0.2	1	3.8	94	08/14/18 16:35	GGL	08141812MB	30-170	
Trichloroethene (79016)	26.8	25	ug/L	1	0.2	1	2.9	107.2	08/14/18 16:35	GGL	08141812MB	30-170	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.1	10	ug/L	1	101	08/14/18 16:35	GGL	08141812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.5	10	ug/L	1	95	08/14/18 16:35	GGL	08141812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.8	10	ug/L	1	98	08/14/18 16:35	GGL	08141812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	10.5	10	ug/L	1	105	08/14/18 16:35	GGL	08141812MB	30-170	

Method Blank(MB) — EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **Method Blank-2** — Date Collected: **08/15/18 12:42** — Matrix ID : **AQUEOUS-Other**
Lab Sample ID: **1808011-049** — Date Prepared: **08/15/18 12:34**

EPA 8260

Analyte Name (Analyte ID)	Results/Qual		Units	DF	MDL	PQL	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5	U	ug/L	1	0.5	1	08/15/18 12:34	GGL	08151812MB	-
Bromobenzene (108861)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Bromoform (75252)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Bromomethane (74839)	0.5	U	ug/L	1	0.5	1	08/15/18 12:34	GGL	08151812MB	-
Carbon tetrachloride (56235)	0.5	U	ug/L	1	0.5	1	08/15/18 12:34	GGL	08151812MB	-
Chlorobenzene (108907)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Dibromochloromethane (124481)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Chloroethane (75003)	0.5	U	ug/L	1	0.5	1	08/15/18 12:34	GGL	08151812MB	-
Chloroform (67663)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Chloromethane (74873)	0.5	U	ug/L	1	0.5	2	08/15/18 12:34	GGL	08151812MB	-
2-Chlorotoluene (95498)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
4-Chlorotoluene (106434)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
cis-1,2-Dichloroethene (156592)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
cis-1,3-Dichloropropene (10061015)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Dibromomethane (74953)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,2-Dichlorobenzene (95501)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,3-Dichlorobenzene (541731)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,4-Dichlorobenzene (106467)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Bromodichloromethane (75274)	0.5	U	ug/L	1	0.5	1	08/15/18 12:34	GGL	08151812MB	-
1,1-Dichloroethane (75343)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,2-Dichloroethane (107062)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,1-Dichloroethene (75354)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,2-Dichloropropane (78875)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,3-Dichloropropane (142289)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
2,2-Dichloropropane (594207)	0.5	U	ug/L	1	0.5	1	08/15/18 12:34	GGL	08151812MB	-
1,1-Dichloropropene (563586)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Ethylbenzene (100414)	0.5	U	ug/L	1	0.5	1	08/15/18 12:34	GGL	08151812MB	-
Methylene chloride (75092)	2	U	ug/L	1	2	5	08/15/18 12:34	GGL	08151812MB	-
Methyl-t-butyl ether (1634044)	0.5	U	ug/L	1	0.5	1	08/15/18 12:34	GGL	08151812MB	-
Xylene, m,p- (179601231)	1	U	ug/L	1	1	2	08/15/18 12:34	GGL	08151812MB	-
Xylene, o- (95476)	0.5	U	ug/L	1	0.5	1	08/15/18 12:34	GGL	08151812MB	-
Styrene (Phenylethylene) (100425)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Tetrachloroethene (127184)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Toluene (108883)	0.5	U	ug/L	1	0.5	1	08/15/18 12:34	GGL	08151812MB	-
trans-1,2-Dichloroethene (156605)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
trans-1,3-Dichloropropene (10061026)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,2,4-Trichlorobenzene (120821)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,1,1-Trichloroethane (71556)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,1,2-Trichloroethane (79005)	0.2	U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Quality Control : **********

Method Blank(MB) — EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **Method Blank-2** Date Collected: **08/15/18 12:42** Matrix ID : **AQUEOUS-Other**
Lab Sample ID: **1808011-049** Date Prepared: **08/15/18 12:34**

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Analyzed Date	By	Batch	Notes
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	08/15/18 12:34	GGL	08151812MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	08/15/18 12:34	GGL	08151812MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	08/15/18 12:34	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10	10	ug/L	1	100	08/15/18 12:34	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.2	10	ug/L	1	92	08/15/18 12:34	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.2	10	ug/L	1	92	08/15/18 12:34	GGL	08151812MB	30-170	

Laboratory Control Standard(LCS) — EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **LCS-2** Date Collected: **08/15/18 12:42** Matrix ID : **AQUEOUS-Other**
Lab Sample ID: **1808011-050** Date Prepared: **08/15/18 12:34**

EPA 8260

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Benzene (71432)	27.2	25	ug/L	1	0.5	1	108.8	08/15/18 13:31	GGL	08151812MB	30-170	
Chlorobenzene (108907)	24.2	25	ug/L	1	0.2	1	96.8	08/15/18 13:31	GGL	08151812MB	30-170	
Chloroform (67663)	28	25	ug/L	1	0.2	1	112	08/15/18 13:31	GGL	08151812MB	30-170	
1,1-Dichloroethene (75354)	21.3	25	ug/L	1	0.2	1	85.2	08/15/18 13:31	GGL	08151812MB	30-170	
1,2-Dichloropropane (78875)	26.4	25	ug/L	1	0.2	1	105.6	08/15/18 13:31	GGL	08151812MB	30-170	
Ethylbenzene (100414)	25.8	25	ug/L	1	0.5	1	103.2	08/15/18 13:31	GGL	08151812MB	30-170	
Xylene, o- (95476)	23.7	25	ug/L	1	0.5	1	94.8	08/15/18 13:31	GGL	08151812MB	30-170	
Tetrachloroethene (127184)	25	25	ug/L	1	0.2	1	100	08/15/18 13:31	GGL	08151812MB	30-170	
Toluene (108883)	26.2	25	ug/L	1	0.5	1	104.8	08/15/18 13:31	GGL	08151812MB	30-170	
trans-1,2-Dichloroethene (156605)	21.2	25	ug/L	1	0.2	1	84.8	08/15/18 13:31	GGL	08151812MB	30-170	
Trichloroethene (79016)	25.6	25	ug/L	1	0.2	1	102.4	08/15/18 13:31	GGL	08151812MB	30-170	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.1	10	ug/L	1	101	08/15/18 13:31	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.3	10	ug/L	1	93	08/15/18 13:31	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.7	10	ug/L	1	97	08/15/18 13:31	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.9	10	ug/L	1	99	08/15/18 13:31	GGL	08151812MB	30-170	

Matrix Spike(MS) — EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **MW-04DR MS-2** Date Collected: **08/09/18 09:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-051** Date Prepared: **08/15/18 12:34**

EPA 8260

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Benzene (71432)	26.6	25	ug/L	1	0.5	1	106	08/15/18 15:27	GGL	08151812MB	30-170	
Chlorobenzene (108907)	24.2	25	ug/L	1	0.2	1	96.8	08/15/18 15:27	GGL	08151812MB	30-170	
Chloroform (67663)	28.3	25	ug/L	1	0.2	1	113	08/15/18 15:27	GGL	08151812MB	30-170	
1,1-Dichloroethene (75354)	19.8	25	ug/L	1	0.2	1	79.2	08/15/18 15:27	GGL	08151812MB	30-170	
1,2-Dichloropropane (78875)	25.5	25	ug/L	1	0.2	1	102	08/15/18 15:27	GGL	08151812MB	30-170	
Ethylbenzene (100414)	25.1	25	ug/L	1	0.5	1	100.4	08/15/18 15:27	GGL	08151812MB	30-170	
Xylene, o- (95476)	24.4	25	ug/L	1	0.5	1	97.6	08/15/18 15:27	GGL	08151812MB	30-170	
Tetrachloroethene (127184)	51.7	25	ug/L	1	0.2	1	111	08/15/18 15:27	GGL	08151812MB	30-170	
Toluene (108883)	24.1	25	ug/L	1	0.5	1	96.4	08/15/18 15:27	GGL	08151812MB	30-170	
trans-1,2-Dichloroethene (156605)	21	25	ug/L	1	0.2	1	84	08/15/18 15:27	GGL	08151812MB	30-170	
Trichloroethene (79016)	82.2	25	ug/L	1	0.2	1	117	08/15/18 15:27	GGL	08151812MB	30-170	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	08/15/18 15:27	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.5	10	ug/L	1	95	08/15/18 15:27	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	10.2	10	ug/L	1	102	08/15/18 15:27	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	10	10	ug/L	1	100	08/15/18 15:27	GGL	08151812MB	30-170	

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ANALYTICAL REPORT

For Proiect:
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NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **3912 West Humphrey Street**
City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

********** Quality Control : **********

Matrix Spike Dup(MSD) EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **MW-04DR MSD-2** Date Collected: **08/09/18 09:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1808011-052** Date Prepared: **08/15/18 12:34**

EPA 8260

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%RPD	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Benzene (71432)	29.6	25	ug/L	1	0.5	1	11	118	08/15/18 15:56	GGL	08151812MB	30-170	
Chlorobenzene (108907)	27.9	25	ug/L	1	0.2	1	14	112	08/15/18 15:56	GGL	08151812MB	30-170	
Chloroform (67663)	31.3	25	ug/L	1	0.2	1	10	125	08/15/18 15:56	GGL	08151812MB	30-170	
1,1-Dichloroethene (75354)	21.6	25	ug/L	1	0.2	1	8.7	86.4	08/15/18 15:56	GGL	08151812MB	30-170	
1,2-Dichloropropane (78875)	27.2	25	ug/L	1	0.2	1	6.5	109	08/15/18 15:56	GGL	08151812MB	30-170	
Ethylbenzene (100414)	28.8	25	ug/L	1	0.5	1	14	115	08/15/18 15:56	GGL	08151812MB	30-170	
Xylene, o- (95476)	29	25	ug/L	1	0.5	1	17	116	08/15/18 15:56	GGL	08151812MB	30-170	
Tetrachloroethene (127184)	53.9	25	ug/L	1	0.2	1	4.2	120	08/15/18 15:56	GGL	08151812MB	30-170	
Toluene (108883)	28.3	25	ug/L	1	0.5	1	16	113	08/15/18 15:56	GGL	08151812MB	30-170	
trans-1,2-Dichloroethene (156605)	23.7	25	ug/L	1	0.2	1	12	94.8	08/15/18 15:56	GGL	08151812MB	30-170	
Trichloroethene (79016)	84.6	25	ug/L	1	0.2	1	2.9	126	08/15/18 15:56	GGL	08151812MB	30-170	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10	10	ug/L	1	100	08/15/18 15:56	GGL	08151812MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	9.4	10	ug/L	1	94	08/15/18 15:56	GGL	08151812MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.8	10	ug/L	1	98	08/15/18 15:56	GGL	08151812MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	10.2	10	ug/L	1	102	08/15/18 15:56	GGL	08151812MB	30-170	

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ANALYTICAL REPORT

For Proiect:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **08/10/18 14:00**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
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City: **Tampa**
State: **FL** Zip **33614**

Facility ID: **NA**
Project Location: **Granville, Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1808011**

**********Data Qualifiers Codes**********

Reporting Exceptions and Qualified Data

When quality control results are outside established control limits reanalysis, including re-extraction (if applicable), is preferred. If re-analysis is not viable or desirable, then results may be qualified. Sample results associated with quality control data that exceed acceptance criteria will be qualified with an appropriate comment. Any parameter for which the laboratory is not officially NELAP accredited is indicated by a '~' symbol. These are not included in the scope because NELAP accreditation is either not available or has not been applied for.

Lab Qualifier	Description
B-01	The sample dilutions set-up for the analysis did not meet the oxygen depletion criteria of at least 2 mg/l dissolved oxygen depletion. Therefore the reported result is an estimated value only.
B-06	Sample is supersaturated with DO. Initial DO exceeds the method required maximum initial DO of 9 mg/L.
B-07	LCS exceeded control limits. The test can not be repeated due to method constraints. Considered to be an estimated value.
D	Data reported from a dilution and or multiple dilutions.
	D5= 1/5, D10= 1/10, D20= 1/20, D50= 1/50, D100= 1/100, D200= 1/200, D250= 1/250, D500= 1/500, D1= 1/1000, D2= 1/2000
H	Value based on field kit determination; results may not be accurate
I , J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
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	greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
Q	Sample held beyond the accepted holding time. Use this code if result derived from a sample prepared or analyzed after the approved holding time for sample prepartion or analysis.
QM-07	Spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-S	Surrogate recovery exceeded acceptance criteria due to the presence of a coeluting compound.
QS-03	Surrogate recovery outside acceptance limits
QS-4	Surrogate recovery not calculated. Surrogate diluted out of the calibrtion range.
QS-6	Surrogate recovery exceeded accepance criteria due to coelution. Matrix effect confirmed.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, there is no impact.
PS	PS = Parent Sample. The PS sample was used as the parent sample for the analysis batch to make a Matrix Spike (MS), Matrix Spike Duplicated (MSD) and / or Laboratory Duplicate (DUP).
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 the compound was analyzed for but not detected above the method detection limt.
V	Indicates the analyte was detected in both the sample and method blank.
V1	Common Laboratory Contaminant
Y	The laboratory analysis was performed on an improperly preserved sample. The result may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.

Unless otherwise noted, ug/Kg and mg/Kg denote dry weight.

(SOILS) Actual Reporting Limit will depend on moisture content of sample and the amount of sample received.

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc.

WWW.SRLAB.COM

Thank you Brad Sperry for the opportunity to be of service to you and your company, We Sincerely Appreciate Your Business.

SRL certifies these Laboratory Results were produced in accordance with NELAC Standards. Hold times and preservation requirements were met for all analytes unless specifically call noted in the report. Results relate only to the samples as received.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando, Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

Item#	Lab Sample ID	Client Sample ID	Collected Date	Collected Time	Sample Matrix	Analysis Requested
1	1811026-001	MW-08(S)	11/13/18	14:05	AQUEOUS-Groundwater	EPA 8260
2	1811026-002	GSSMW-08(I)	11/13/18	14:40	AQUEOUS-Groundwater	EPA 8260
3	1811026-003	MW-16(S)	11/13/18	15:34	AQUEOUS-Groundwater	EPA 8260
4	1811026-004	MW-17(I)	11/13/18	16:03	AQUEOUS-Groundwater	EPA 8260
5	1811026-005	GSSMW-15(I)	11/13/18	16:36	AQUEOUS-Groundwater	EPA 8260
6	1811026-006	GSSMW-09(I)	11/14/18	9:22	AQUEOUS-Groundwater	EPA 8260
7	1811026-007	MW-07(I)	11/14/18	11:20	AQUEOUS-Groundwater	EPA 8260
8	1811026-008	MW-04DR(S)	11/14/18	13:45	AQUEOUS-Groundwater	EPA 8260
9	1811026-009	MW-04D2(I)	11/14/18	14:23	AQUEOUS-Groundwater	EPA 8260
10	1811026-010	GSSMW-12(D)	11/14/18	15:07	AQUEOUS-Groundwater	EPA 8260
11	1811026-011	MW-02(S)	11/14/18	15:38	AQUEOUS-Groundwater	EPA 8260
12	1811026-012	DUPLICATE-1	11/14/18	0:00	AQUEOUS-Groundwater	EPA 8260
15	1811026-015	MW-02D(1)	11/14/18	16:10	AQUEOUS-Groundwater	EPA 8260
16	1811026-016	DUPLICATE-2	11/14/18	0:00	AQUEOUS-Groundwater	EPA 8260
17	1811026-017	EQUIPMENT BLANK-1	11/14/18	16:30	AQUEOUS-Groundwater	EPA 8260
18	1811026-018	TRIP BLANK	11/13/18	8:00	AQUEOUS-Other	EPA 8260

Stanley Payne

Sherri Payne
Vice President / Quality Assurance Officer - SRL

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **MW-08(S)** Date Collected: **11/13/18 14:05** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-001** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	***29***	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,1-Dichloroethane (75343)	***1.9***	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	***4.1***	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:29	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/20/18 21:29	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.8	10	ug/L	1	98	11/20/18 21:29	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	11/20/18 21:29	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.4	10	ug/L	1	94	11/20/18 21:29	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.2	10	ug/L	1	92	11/20/18 21:29	GGL	11201820MB	30-170	

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Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **GSSMW-08(I)** Date Collected: **11/13/18 14:40** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-002** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 21:57	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/20/18 21:57	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.8	10	ug/L	1	98	11/20/18 21:57	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	11/20/18 21:57	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.5	10	ug/L	1	95	11/20/18 21:57	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.2	10	ug/L	1	92	11/20/18 21:57	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **MW-16(S)** Date Collected: **11/13/18 15:34** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-003** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	***2.3***	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,1-Dichloroethane (75343)	***0.99 J***	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Tetrachloroethene (127184)	***0.36 J***	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	***4.7***	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Trichloroethene (79016)	***4.2***	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:25	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/20/18 22:25	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.7	10	ug/L	1	97	11/20/18 22:25	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.2	10	ug/L	1	102	11/20/18 22:25	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.4	10	ug/L	1	94	11/20/18 22:25	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.1	10	ug/L	1	91	11/20/18 22:25	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **MW-17(I)** Date Collected: **11/13/18 16:03** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-004** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	***0.45 J***	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 22:53	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/20/18 22:53	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.7	10	ug/L	1	97	11/20/18 22:53	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.4	10	ug/L	1	104	11/20/18 22:53	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.4	10	ug/L	1	94	11/20/18 22:53	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.1	10	ug/L	1	91	11/20/18 22:53	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **GSSMW-15(I)** Date Collected: **11/13/18 16:36** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-005** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	***27***	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,1-Dichloroethane (75343)	***7.7***	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,1-Dichloroethene (75354)	***0.43 J***	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Tetrachloroethene (127184)	***9.1***	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	***2.1***	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	***42***	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Trichloroethene (79016)	***51***	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:21	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/20/18 23:21	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	11/20/18 23:21	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	11/20/18 23:21	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.2	10	ug/L	1	92	11/20/18 23:21	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.1	10	ug/L	1	91	11/20/18 23:21	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **GSSMW-09(I)** Date Collected: **11/14/18 09:22** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-006** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/20/18 23:49	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/20/18 23:49	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.6	10	ug/L	1	96	11/20/18 23:49	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.2	10	ug/L	1	102	11/20/18 23:49	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.3	10	ug/L	1	93	11/20/18 23:49	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.2	10	ug/L	1	92	11/20/18 23:49	GGL	11201820MB	30-170	

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(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **MW-07(I)** Date Collected: **11/14/18 11:20** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-007** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:17	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/21/18 00:17	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	11/21/18 00:17	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.4	10	ug/L	1	104	11/21/18 00:17	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.1	10	ug/L	1	91	11/21/18 00:17	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.9	10	ug/L	1	89	11/21/18 00:17	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **MW-04DR(S)** Date Collected: **11/14/18 13:45** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-008** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,1-Dichloroethane (75343)	***1.6***	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Tetrachloroethene (127184)	***18***	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	***12***	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Trichloroethene (79016)	***27***	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 00:45	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/21/18 00:45	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.8	10	ug/L	1	98	11/21/18 00:45	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.4	10	ug/L	1	104	11/21/18 00:45	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.1	10	ug/L	1	91	11/21/18 00:45	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.8	10	ug/L	1	88	11/21/18 00:45	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **MW-04D2(I)** Date Collected: **11/14/18 14:23** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-009** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	***26***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,1-Dichloroethane (75343)	***0.84 J***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Tetrachloroethene (127184)	***14***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	***1.2***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	***7.5***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Trichloroethene (79016)	***8.8***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:13	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/21/18 01:13	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	11/21/18 01:13	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	11/21/18 01:13	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9	10	ug/L	1	90	11/21/18 01:13	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.8	10	ug/L	1	88	11/21/18 01:13	GGL	11201820MB	30-170	

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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **GSSMW-12(D)** Date Collected: **11/14/18 15:07** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-010** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	***2.1***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,1-Dichloroethane (75343)	***1.1***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Tetrachloroethene (127184)	***4.3***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	***0.23 J***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	***18***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Trichloroethene (79016)	***17***	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 01:41	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/21/18 01:41	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10	10	ug/L	1	100	11/21/18 01:41	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.5	10	ug/L	1	105	11/21/18 01:41	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.2	10	ug/L	1	92	11/21/18 01:41	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.8	10	ug/L	1	88	11/21/18 01:41	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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Orlando Florida 32804
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **MW-02(S)** Date Collected: **11/14/18 15:38** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-011** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch		Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Chloroform (67663)	***0.24 J***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
cis-1,2-Dichloroethene (156592)	***18***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,1-Dichloroethane (75343)	***5.6***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,1-Dichloroethene (75354)	***1.4***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Tetrachloroethene (127184)	***82***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
trans-1,2-Dichloroethene (156605)	***1.2***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
1,1,1-Trichloroethane (71556)	***110***	ug/L	10	2	10	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	D10 Analyte value
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Trichloroethene (79016)	***240***	ug/L	10	2	10	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	D10 Analyte value
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/21/18 02:09	GGL	11201820MB	-	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10	10	ug/L	1	100	11/21/18 02:09	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	11/21/18 02:09	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.1	10	ug/L	1	91	11/21/18 02:09	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.8	10	ug/L	1	88	11/21/18 02:09	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **DUPLICATE-1** Date Collected: **11/14/18 00:00** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-012** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch		Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
cis-1,2-Dichloroethene (156592)	***18***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,1-Dichloroethane (75343)	***5.8***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,1-Dichloroethene (75354)	***1.4***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Tetrachloroethene (127184)	***86***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
trans-1,2-Dichloroethene (156605)	***1.2***	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
1,1,1-Trichloroethane (71556)	***110***	ug/L	10	2	10	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	D10 Analyte value
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Trichloroethene (79016)	***230***	ug/L	10	2	10	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	D10 Analyte value
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/21/18 02:37	GGL	11201820MB	-	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	11/21/18 02:37	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	11/21/18 02:37	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.2	10	ug/L	1	92	11/21/18 02:37	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.7	10	ug/L	1	87	11/21/18 02:37	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **MW-02D(1)** Date Collected: **11/14/18 16:10** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-015** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch		Notes	
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
cis-1,2-Dichloroethene (156592)	***18***	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,1-Dichloroethane (75343)	***5.7***	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,1-Dichloroethene (75354)	***1.8***	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Tetrachloroethene (127184)	***140***	ug/L	10	2	10	EPA 8260	11/21/18 03:05	GGL	11201820MB	-	D10	Analyte value
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
trans-1,2-Dichloroethene (156605)	***1.1***	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
1,1,1-Trichloroethane (71556)	***170***	ug/L	10	2	10	EPA 8260	11/21/18 03:05	GGL	11201820MB	-	D10	Analyte value
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Trichloroethene (79016)	***410***	ug/L	10	2	10	EPA 8260	11/21/18 03:05	GGL	11201820MB	-	D10	Analyte value
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/21/18 03:05	GGL	11201820MB	-		

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.2	10	ug/L	1	102	11/21/18 03:05	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.4	10	ug/L	1	104	11/21/18 03:05	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.3	10	ug/L	1	93	11/21/18 03:05	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.7	10	ug/L	1	87	11/21/18 03:05	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **DUPLICATE-2** Date Collected: **11/14/18 00:00** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-016** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch		Notes	
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
cis-1,2-Dichloroethene (156592)	***18***	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,1-Dichloroethane (75343)	***5.5***	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,1-Dichloroethene (75354)	***2.2***	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Tetrachloroethene (127184)	***150***	ug/L	10	2	10	EPA 8260	11/21/18 03:33	GGL	11201820MB	-	D10	Analyte value
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
trans-1,2-Dichloroethene (156605)	***1.2***	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
1,1,1-Trichloroethane (71556)	***190***	ug/L	10	2	10	EPA 8260	11/21/18 03:33	GGL	11201820MB	-	D10	Analyte value
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Trichloroethene (79016)	***440***	ug/L	10	2	10	EPA 8260	11/21/18 03:33	GGL	11201820MB	-	D10	Analyte value
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/21/18 03:33	GGL	11201820MB	-		

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10	10	ug/L	1	100	11/21/18 03:33	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.3	10	ug/L	1	103	11/21/18 03:33	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.1	10	ug/L	1	91	11/21/18 03:33	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.7	10	ug/L	1	87	11/21/18 03:33	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: **EQUIPMENT BLANK-1** Date Collected: **11/14/18 16:30** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-017** Collected By: **Brad Sperry**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:01	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/21/18 04:01	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.9	10	ug/L	1	99	11/21/18 04:01	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.4	10	ug/L	1	104	11/21/18 04:01	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	8.9	10	ug/L	1	89	11/21/18 04:01	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.4	10	ug/L	1	84	11/21/18 04:01	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Analytical Results **********

Client Sample ID: TRIP BLANK **Date Collected: 11/13/18 08:00** **Matrix ID : AQUEOUS-Other**
Lab Sample ID: 1811026-018 **Collected By: LAB**

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Method	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Chloroform (67663)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Chloromethane (74873)	0.5 U	ug/L	1	0.5	2	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Dibromomethane (74953)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,1-Dichloroethane (75343)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Ethylbenzene (100414)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Methylene chloride (75092)	2 U	ug/L	1	2	5	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Xylene, m,p- (179601231)	1 U	ug/L	1	1	2	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Xylene, o- (95476)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Tetrachloroethene (127184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Toluene (108883)	0.5 U	ug/L	1	0.5	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Trichloroethene (79016)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Vinyl chloride (75014)	0.2 U	ug/L	1	0.2	1	EPA 8260	11/21/18 04:29	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5 U	ug/L	1	1.5	3	EPA 8260	11/21/18 04:29	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.8	10	ug/L	1	98	11/21/18 04:29	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.5	10	ug/L	1	105	11/21/18 04:29	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.1	10	ug/L	1	91	11/21/18 04:29	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	8.5	10	ug/L	1	85	11/21/18 04:29	GGL	11201820MB	30-170	

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2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Detection Summary : **********

Client Sample ID: **MW-08(S)** Date Collected: **11/13/18 14:05** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-001** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	29	ug/L	1	0.2	1	11/20/18 21:29	GGL	11201820MB	EPA 8260
1,1-Dichloroethane (75343)	1.9	ug/L	1	0.2	1	11/20/18 21:29	GGL	11201820MB	EPA 8260
trans-1,2-Dichloroethene (156605)	4.1	ug/L	1	0.2	1	11/20/18 21:29	GGL	11201820MB	EPA 8260

Client Sample ID: **MW-16(S)** Date Collected: **11/13/18 15:34** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-003** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	2.3	ug/L	1	0.2	1	11/20/18 22:25	GGL	11201820MB	EPA 8260
1,1-Dichloroethane (75343)	0.99 J	ug/L	1	0.2	1	11/20/18 22:25	GGL	11201820MB	EPA 8260
Tetrachloroethene (127184)	0.36 J	ug/L	1	0.2	1	11/20/18 22:25	GGL	11201820MB	EPA 8260
1,1,1-Trichloroethane (71556)	4.7	ug/L	1	0.2	1	11/20/18 22:25	GGL	11201820MB	EPA 8260
Trichloroethene (79016)	4.2	ug/L	1	0.2	1	11/20/18 22:25	GGL	11201820MB	EPA 8260

Client Sample ID: **MW-17(I)** Date Collected: **11/13/18 16:03** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-004** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	0.45 J	ug/L	1	0.2	1	11/20/18 22:53	GGL	11201820MB	EPA 8260

Client Sample ID: **GSSMW-15(I)** Date Collected: **11/13/18 16:36** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-005** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	27	ug/L	1	0.2	1	11/20/18 23:21	GGL	11201820MB	EPA 8260
1,1-Dichloroethane (75343)	7.7	ug/L	1	0.2	1	11/20/18 23:21	GGL	11201820MB	EPA 8260
1,1-Dichloroethene (75354)	0.43 J	ug/L	1	0.2	1	11/20/18 23:21	GGL	11201820MB	EPA 8260
Tetrachloroethene (127184)	9.1	ug/L	1	0.2	1	11/20/18 23:21	GGL	11201820MB	EPA 8260
trans-1,2-Dichloroethene (156605)	2.1	ug/L	1	0.2	1	11/20/18 23:21	GGL	11201820MB	EPA 8260
1,1,1-Trichloroethane (71556)	42	ug/L	1	0.2	1	11/20/18 23:21	GGL	11201820MB	EPA 8260
Trichloroethene (79016)	51	ug/L	1	0.2	1	11/20/18 23:21	GGL	11201820MB	EPA 8260

Client Sample ID: **MW-04DR(S)** Date Collected: **11/14/18 13:45** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-008** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
1,1-Dichloroethane (75343)	1.6	ug/L	1	0.2	1	11/21/18 00:45	GGL	11201820MB	EPA 8260
Tetrachloroethene (127184)	18	ug/L	1	0.2	1	11/21/18 00:45	GGL	11201820MB	EPA 8260
1,1,1-Trichloroethane (71556)	12	ug/L	1	0.2	1	11/21/18 00:45	GGL	11201820MB	EPA 8260
Trichloroethene (79016)	27	ug/L	1	0.2	1	11/21/18 00:45	GGL	11201820MB	EPA 8260

Client Sample ID: **MW-04D2(I)** Date Collected: **11/14/18 14:23** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-009** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	26	ug/L	1	0.2	1	11/21/18 01:13	GGL	11201820MB	EPA 8260
1,1-Dichloroethane (75343)	0.84 J	ug/L	1	0.2	1	11/21/18 01:13	GGL	11201820MB	EPA 8260
Tetrachloroethene (127184)	14	ug/L	1	0.2	1	11/21/18 01:13	GGL	11201820MB	EPA 8260
trans-1,2-Dichloroethene (156605)	1.2	ug/L	1	0.2	1	11/21/18 01:13	GGL	11201820MB	EPA 8260
1,1,1-Trichloroethane (71556)	7.5	ug/L	1	0.2	1	11/21/18 01:13	GGL	11201820MB	EPA 8260
Trichloroethene (79016)	8.8	ug/L	1	0.2	1	11/21/18 01:13	GGL	11201820MB	EPA 8260

Client Sample ID: **GSSMW-12(D)** Date Collected: **11/14/18 15:07** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-010** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	2.1	ug/L	1	0.2	1	11/21/18 01:41	GGL	11201820MB	EPA 8260
1,1-Dichloroethane (75343)	1.1	ug/L	1	0.2	1	11/21/18 01:41	GGL	11201820MB	EPA 8260
Tetrachloroethene (127184)	4.3	ug/L	1	0.2	1	11/21/18 01:41	GGL	11201820MB	EPA 8260

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Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

Client Sample ID: **GSSMW-12(D)** Date Collected: **11/14/18 15:07** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-010** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
trans-1,2-Dichloroethene (156605)	**0.23 J**	ug/L	1	0.2	1	11/21/18 01:41	GGL	11201820MB	EPA 8260
1,1,1-Trichloroethane (71556)	**18**	ug/L	1	0.2	1	11/21/18 01:41	GGL	11201820MB	EPA 8260
Trichloroethene (79016)	**17**	ug/L	1	0.2	1	11/21/18 01:41	GGL	11201820MB	EPA 8260

Client Sample ID: **MW-02(S)** Date Collected: **11/14/18 15:38** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-011** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
Chloroform (67663)	**0.24 J**	ug/L	1	0.2	1	11/21/18 02:09	GGL	11201820MB	EPA 8260
cis-1,2-Dichloroethene (156592)	**18**	ug/L	1	0.2	1	11/21/18 02:09	GGL	11201820MB	EPA 8260
1,1-Dichloroethane (75343)	**5.6**	ug/L	1	0.2	1	11/21/18 02:09	GGL	11201820MB	EPA 8260
1,1-Dichloroethene (75354)	**1.4**	ug/L	1	0.2	1	11/21/18 02:09	GGL	11201820MB	EPA 8260
Tetrachloroethene (127184)	**82**	ug/L	1	0.2	1	11/21/18 02:09	GGL	11201820MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**1.2**	ug/L	1	0.2	1	11/21/18 02:09	GGL	11201820MB	EPA 8260
1,1,1-Trichloroethane (71556)	**110**	ug/L	10	2	10	11/21/18 02:09	GGL	11201820MB	EPA 8260
Trichloroethene (79016)	**240**	ug/L	10	2	10	11/21/18 02:09	GGL	11201820MB	EPA 8260

Client Sample ID: **DUPLICATE-1** Date Collected: **11/14/18 00:00** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-012** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**18**	ug/L	1	0.2	1	11/21/18 02:37	GGL	11201820MB	EPA 8260
1,1-Dichloroethane (75343)	**5.8**	ug/L	1	0.2	1	11/21/18 02:37	GGL	11201820MB	EPA 8260
1,1-Dichloroethene (75354)	**1.4**	ug/L	1	0.2	1	11/21/18 02:37	GGL	11201820MB	EPA 8260
Tetrachloroethene (127184)	**86**	ug/L	1	0.2	1	11/21/18 02:37	GGL	11201820MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**1.2**	ug/L	1	0.2	1	11/21/18 02:37	GGL	11201820MB	EPA 8260
1,1,1-Trichloroethane (71556)	**110**	ug/L	10	2	10	11/21/18 02:37	GGL	11201820MB	EPA 8260
Trichloroethene (79016)	**230**	ug/L	10	2	10	11/21/18 02:37	GGL	11201820MB	EPA 8260

Client Sample ID: **MW-02D(1)** Date Collected: **11/14/18 16:10** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-015** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**18**	ug/L	1	0.2	1	11/21/18 03:05	GGL	11201820MB	EPA 8260
1,1-Dichloroethane (75343)	**5.7**	ug/L	1	0.2	1	11/21/18 03:05	GGL	11201820MB	EPA 8260
1,1-Dichloroethene (75354)	**1.8**	ug/L	1	0.2	1	11/21/18 03:05	GGL	11201820MB	EPA 8260
Tetrachloroethene (127184)	**140**	ug/L	10	2	10	11/21/18 03:05	GGL	11201820MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**1.1**	ug/L	1	0.2	1	11/21/18 03:05	GGL	11201820MB	EPA 8260
1,1,1-Trichloroethane (71556)	**170**	ug/L	10	2	10	11/21/18 03:05	GGL	11201820MB	EPA 8260
Trichloroethene (79016)	**410**	ug/L	10	2	10	11/21/18 03:05	GGL	11201820MB	EPA 8260

Client Sample ID: **DUPLICATE-2** Date Collected: **11/14/18 00:00** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-016** Collected By: **Brad Sperry**

Analyte Name (Analyte ID)	Results/Qualifier	Units	DF	MDL	PQL	Date Analyzed	By	Batch ID	Method
cis-1,2-Dichloroethene (156592)	**18**	ug/L	1	0.2	1	11/21/18 03:33	GGL	11201820MB	EPA 8260
1,1-Dichloroethane (75343)	**5.5**	ug/L	1	0.2	1	11/21/18 03:33	GGL	11201820MB	EPA 8260
1,1-Dichloroethene (75354)	**2.2**	ug/L	1	0.2	1	11/21/18 03:33	GGL	11201820MB	EPA 8260
Tetrachloroethene (127184)	**150**	ug/L	10	2	10	11/21/18 03:33	GGL	11201820MB	EPA 8260
trans-1,2-Dichloroethene (156605)	**1.2**	ug/L	1	0.2	1	11/21/18 03:33	GGL	11201820MB	EPA 8260
1,1,1-Trichloroethane (71556)	**190**	ug/L	10	2	10	11/21/18 03:33	GGL	11201820MB	EPA 8260
Trichloroethene (79016)	**440**	ug/L	10	2	10	11/21/18 03:33	GGL	11201820MB	EPA 8260

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Orlando Florida 32804
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Quality Control : **********

Matrix Spike(MS)

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **MW-02(S) MS** Date Collected: **11/14/18 15:38** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-013** Date Prepared: **11/20/18 20:04**

EPA 8260

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Benzene (71432)	24.1	25	ug/L	1	0.5	1	96.4	11/21/18 04:57	GGL	11201820MB	30-170	
Chlorobenzene (108907)	23.7	25	ug/L	1	0.2	1	94.8	11/21/18 04:57	GGL	11201820MB	30-170	
Chloroform (67663)	23.7	25	ug/L	1	0.2	1	93.8	11/21/18 04:57	GGL	11201820MB	30-170	
1,1-Dichloroethene (75354)	24.1	25	ug/L	1	0.2	1	90.8	11/21/18 04:57	GGL	11201820MB	30-170	
1,2-Dichloropropane (78875)	23.1	25	ug/L	1	0.2	1	92.4	11/21/18 04:57	GGL	11201820MB	30-170	
Ethylbenzene (100414)	24.8	25	ug/L	1	0.5	1	99.2	11/21/18 04:57	GGL	11201820MB	30-170	
Xylene, o- (95476)	23.4	25	ug/L	1	0.5	1	93.6	11/21/18 04:57	GGL	11201820MB	30-170	
Tetrachloroethene (127184)	107 L	25	ug/L	1	0.2	1	100	11/21/18 04:57	GGL	11201820MB	30-170	
Toluene (108883)	23.8	25	ug/L	1	0.5	1	95.2	11/21/18 04:57	GGL	11201820MB	30-170	
trans-1,2-Dichloroethene (156605)	23.9	25	ug/L	1	0.2	1	90.8	11/21/18 04:57	GGL	11201820MB	30-170	
Trichloroethene (79016)	249 L	25	ug/L	1	0.2	1	36	11/21/18 04:57	GGL	11201820MB	30-170	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10	10	ug/L	1	100	11/21/18 04:57	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.2	10	ug/L	1	102	11/21/18 04:57	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.8	10	ug/L	1	98	11/21/18 04:57	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.9	10	ug/L	1	99	11/21/18 04:57	GGL	11201820MB	30-170	

Matrix Spike Dup(MSD)

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **MW-02(S) MSD** Date Collected: **11/14/18 15:38** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-014** Date Prepared: **11/20/18 20:04**

EPA 8260

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%RPD	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Benzene (71432)	26.4	25	ug/L	1	0.5	1	9.1	105.6	11/21/18 05:25	GGL	11201820MB	30-170	
Chlorobenzene (108907)	25.7	25	ug/L	1	0.2	1	8.1	102.8	11/21/18 05:25	GGL	11201820MB	30-170	
Chloroform (67663)	25.9	25	ug/L	1	0.2	1	10.1	102.6	11/21/18 05:25	GGL	11201820MB	30-170	
1,1-Dichloroethene (75354)	26.8	25	ug/L	1	0.2	1	10.6	101.6	11/21/18 05:25	GGL	11201820MB	30-170	
1,2-Dichloropropane (78875)	25.2	25	ug/L	1	0.2	1	9.1	100.8	11/21/18 05:25	GGL	11201820MB	30-170	
Ethylbenzene (100414)	26.7	25	ug/L	1	0.5	1	7.4	106.8	11/21/18 05:25	GGL	11201820MB	30-170	
Xylene, o- (95476)	25.4	25	ug/L	1	0.5	1	8.2	101.6	11/21/18 05:25	GGL	11201820MB	30-170	
Tetrachloroethene (127184)	108 L	25	ug/L	1	0.2	1	0.9	104	11/21/18 05:25	GGL	11201820MB	30-170	
Toluene (108883)	25.6	25	ug/L	1	0.5	1	7.3	102.4	11/21/18 05:25	GGL	11201820MB	30-170	
trans-1,2-Dichloroethene (156605)	26.2	25	ug/L	1	0.2	1	9.2	100	11/21/18 05:25	GGL	11201820MB	30-170	
Trichloroethene (79016)	249 L	25	ug/L	1	0.2	1	0	36	11/21/18 05:25	GGL	11201820MB	30-170	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	10.1	10	ug/L	1	101	11/21/18 05:25	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.2	10	ug/L	1	102	11/21/18 05:25	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.9	10	ug/L	1	99	11/21/18 05:25	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.7	10	ug/L	1	97	11/21/18 05:25	GGL	11201820MB	30-170	

Method Blank(MB)

EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **Method Blank** Date Collected: **11/20/18 20:04** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-019** Date Prepared: **11/20/18 20:04**

EPA 8260

Analyte Name (Analyte ID)	Results/Qual	Units	DF	MDL	PQL	Analyzed Date	By	Batch	Notes
Benzene (71432)	0.5 U	ug/L	1	0.5	1	11/20/18 20:04	GGL	11201820MB	-
Bromobenzene (108861)	0.2 U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Bromoform (75252)	0.2 U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Bromomethane (74839)	0.5 U	ug/L	1	0.5	1	11/20/18 20:04	GGL	11201820MB	-
Carbon tetrachloride (56235)	0.5 U	ug/L	1	0.5	1	11/20/18 20:04	GGL	11201820MB	-
Chlorobenzene (108907)	0.2 U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Dibromochloromethane (124481)	0.2 U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Chloroethane (75003)	0.5 U	ug/L	1	0.5	1	11/20/18 20:04	GGL	11201820MB	-

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Quality Control : **********

Method Blank(MB) — EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **Method Blank** — Date Collected: **11/20/18 20:04** — Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-019** — Date Prepared: **11/20/18 20:04**

Analyte Name (Analyte ID)	Results/Qual		Units	DF	MDL	PQL	Analyzed Date	By	Batch	Notes
Chloroform (67663)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Chloromethane (74873)	0.5	U	ug/L	1	0.5	2	11/20/18 20:04	GGL	11201820MB	-
2-Chlorotoluene (95498)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
4-Chlorotoluene (106434)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
cis-1,2-Dichloroethene (156592)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
cis-1,3-Dichloropropene (10061015)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Dibromomethane (74953)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,2-Dichlorobenzene (95501)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,3-Dichlorobenzene (541731)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,4-Dichlorobenzene (106467)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Bromodichloromethane (75274)	0.5	U	ug/L	1	0.5	1	11/20/18 20:04	GGL	11201820MB	-
1,1-Dichloroethane (75343)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,2-Dichloroethane (107062)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,1-Dichloroethene (75354)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,2-Dichloropropane (78875)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,3-Dichloropropane (142289)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
2,2-Dichloropropane (594207)	0.5	U	ug/L	1	0.5	1	11/20/18 20:04	GGL	11201820MB	-
1,1-Dichloropropene (563586)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Ethylbenzene (100414)	0.5	U	ug/L	1	0.5	1	11/20/18 20:04	GGL	11201820MB	-
Methylene chloride (75092)	2	U	ug/L	1	2	5	11/20/18 20:04	GGL	11201820MB	-
Methyl-t-butyl ether (1634044)	0.5	U	ug/L	1	0.5	1	11/20/18 20:04	GGL	11201820MB	-
Xylene, m,p- (179601231)	1	U	ug/L	1	1	2	11/20/18 20:04	GGL	11201820MB	-
Xylene, o- (95476)	0.5	U	ug/L	1	0.5	1	11/20/18 20:04	GGL	11201820MB	-
Styrene (Phenylethylene) (100425)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,1,1,2-Tetrachloroethane (630206)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,1,2,2-Tetrachloroethane (79345)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Tetrachloroethene (127184)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Toluene (108883)	0.5	U	ug/L	1	0.5	1	11/20/18 20:04	GGL	11201820MB	-
trans-1,2-Dichloroethene (156605)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
trans-1,3-Dichloropropene (10061026)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,2,4-Trichlorobenzene (120821)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,1,1-Trichloroethane (71556)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,1,2-Trichloroethane (79005)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Trichloroethene (79016)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
1,2,3-Trichloropropane (96184)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Vinyl chloride (75014)	0.2	U	ug/L	1	0.2	1	11/20/18 20:04	GGL	11201820MB	-
Xylenes- Total (1330207)	1.5	U	ug/L	1	1.5	3	11/20/18 20:04	GGL	11201820MB	-

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.7	10	ug/L	1	97	11/20/18 20:04	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10.4	10	ug/L	1	104	11/20/18 20:04	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.8	10	ug/L	1	98	11/20/18 20:04	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.7	10	ug/L	1	97	11/20/18 20:04	GGL	11201820MB	30-170	

Laboratory Control Standard(LCS) — EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **LCS** — Date Collected: **11/20/18 20:04** — Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-020** — Date Prepared: **11/20/18 20:04**

EPA 8260

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Benzene (71432)	27.7	25	ug/L	1	0.5	1	111	11/20/18 20:32	GGL	11201820MB	30-170	
Chlorobenzene (108907)	27.5	25	ug/L	1	0.2	1	110	11/20/18 20:32	GGL	11201820MB	30-170	
Chloroform (67663)	27.1	25	ug/L	1	0.2	1	108	11/20/18 20:32	GGL	11201820MB	30-170	
1,1-Dichloroethene (75354)	26.4	25	ug/L	1	0.2	1	106	11/20/18 20:32	GGL	11201820MB	30-170	
1,2-Dichloropropane (78875)	27.3	25	ug/L	1	0.2	1	109	11/20/18 20:32	GGL	11201820MB	30-170	
Ethylbenzene (100414)	28.4	25	ug/L	1	0.5	1	114	11/20/18 20:32	GGL	11201820MB	30-170	
Xylene, o- (95476)	27.7	25	ug/L	1	0.5	1	111	11/20/18 20:32	GGL	11201820MB	30-170	
Tetrachloroethene (127184)	25.9	25	ug/L	1	0.2	1	104	11/20/18 20:32	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Southern Research Laboratories, Inc
2251 Lynx Lane Suite 1
Orlando Florida 32804
(407) 522-7100 / Fax (407) 522-7043

ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

********** Quality Control : **********

Laboratory Control Standard(LCS) EPA Method 5030/8260B Volatile Organics in Water by GC-MS

Client Sample ID: **LCS** Date Collected: **11/20/18 20:04** Matrix ID : **AQUEOUS-Groundwater**
Lab Sample ID: **1811026-020** Date Prepared: **11/20/18 20:04**

Analyte Name (Analyte ID)	Result	SPK	Units	DF	MDL	PQL	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Toluene (108883)	27.1	25	ug/L	1	0.5	1	108	11/20/18 20:32	GGL	11201820MB	30-170	
trans-1,2-Dichloroethene (156605)	25.9	25	ug/L	1	0.2	1	104	11/20/18 20:32	GGL	11201820MB	30-170	
Trichloroethene (79016)	26.3	25	ug/L	1	0.2	1	105	11/20/18 20:32	GGL	11201820MB	30-170	

Surrogates	Result	SPK	Units	DF	%Rec	Analyzed Date	By	Batch	%Limits	Notes
Dibromofluoromethane (DEP-SURR-047)	9.8	10	ug/L	1	98	11/20/18 20:32	GGL	11201820MB	30-170	
1,2-Dichloroethane-d4 (DEP-SURR-002)	10	10	ug/L	1	100	11/20/18 20:32	GGL	11201820MB	30-170	
Toluene-d8 (DEP-SURR-038)	9.9	10	ug/L	1	99	11/20/18 20:32	GGL	11201820MB	70-130	
4-Bromofluorobenzene (DEP-SURR-019)	9.6	10	ug/L	1	96	11/20/18 20:32	GGL	11201820MB	30-170	

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

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Orlando Florida 32804
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ANALYTICAL REPORT

For Project:
Granville Solvents Site

NELAP Certified
FDOH # : **E83484**
Lab Received Date : **11/16/18 10:55**

Company Name: **Progressive Engineering and Construction**
Client's Name: **Brad Sperry**
Client's Address: **12402 N. 56th Street**
City: **Tampa**
State: **FL** Zip **33617**

Facility ID: **NA**
Project Location: **Ohio**
Client's Phone: **813- 930-0669**
Client's Project Number: **P2347**
Lab Reporting Batch ID: **1811026**

**********Data Qualifiers Codes**********

LP-02	Less than 1000 ml of sample filtered and residue range of 2.5 insufficient sample, analysis cannot be repeated.
M	Presence of material is verified but not quantified; the actual value is less than the value given. The estimated concentration is greater than the MDL.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed.
PS	PS = Parent Sample. The PS sample was used as the parent sample for the analysis batch to make a Matrix Spike (MS), Matrix Spike Duplicated (MSD) and / or Laboratory Duplicate (DUP).
Q	Sample held beyond the accepted holding time. Use this code if result derived from a sample prepared or analyzed after the approved holding time for sample prepartion or analysis.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte present in the sample.
QM-07	Spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QM-19	The spike recovery was outside acceptance limits for the MS and/or MSD.
QM-S	Surrogate recovery exceeded acceptance criteria due to the presence of a coeluting compound.
QS-03	Surrogate recovery outside acceptance limits
QS-4	Surrogate recovery not calculated. Surrogate diluted out of the calibrtion range.
QS-6	Surrogate recovery exceeded accepance criteria due to coelution. Matrix effect confirmed.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, there is no impact.
R-01	The Reporting Limit for this analyte has been raised to account for matrix interference.
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 the compound was analyzed for but not detected above the method detection limt.
V	Indicates the analyte was detected in both the sample and method blank.
V1	Common Laboratory Contaminant
Y	The laboratory analysis was performed on an improperly preserved sample. The result may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.

Unless otherwise noted, ug/Kg and mg/Kg denote dry weight.

(SOILS) Actual Reporting Limit will depend on moisture content of sample and the amount of sample received.

This report, which includes the attached Chain-Of-Custody, shall not be reported except in full, without written approval of the laboratory.

Chain of Custody

1811026

Page 1 of 2

Project Manager: Brad Sperry

Company: Progressive Engineering And Construction

Address: 12402 N. 56th Street

City, State, Zip: Tampa, Florida 33614

Phone: 813 930 0669 Fax: +1 (813) 930-9809

Southern Research Laboratories, Inc.
2251 Lynx Lane, Suite #1
Orlando, Florida 32804
Main (407) 522-7100 Fax: (407) 522-7043

Project Name: Granville Solvents Site

Project Location:

Sampled by [Print Name(s)] / Affiliation: Brad Sperry PEC

Sampler(s) Signature(s):

Project Number: P2347

REQUESTED DUE DATE:

Facility ID#:

Petroleum Restoration Program ____ yes ____ no

Preservatives (see codes): H

Analyses Requested: 8260B

	Sample Identification	Sampled Date:	Sampled Time:	Grab or Composite	Matrix: (see codes)	Total Number of Containers	8260B									
1	MW-08(S)	11/13/18	1405	G	GW	2	X									1811026-001
2	GSSMW-08(I)	11/13/18	1440	G	GW	2	X									-002
3	MW-16(S)	11/13/18	1534	G	GW	2	X									-003
4	MW-17(I)	11/13/18	1603	G	GW	2	X									-004
5	GSSMW-15(I)	11/13/18	1636	G	GW	2	X									-005
6	GSSMW-09(I)	11/14/18	0922	G	GW	2	X									-006
7	MW-07D(I)	11/14/18	1120	G	GW	2	X									-007
8	MW-04DR(S)	11/14/18	1345	G	GW	2	X									-008
9	MW-04D2(I)	11/14/18	1423	G	GW	2	X									-009
10	GSSMW-12(D)	11/14/18	1507	G	GW	2	X									-010

Shipment Method:		Relinquished by	Date:	Time:	Accepted by:	Date:	Time:
Out: / /	Via:	Helen Turner	11-5-18	1355			
Returned: / /	Via:		11/15/18	1200	Helen Turner (Waxed Exp)	11-15-18	10:55

Additional Comments:

Cooler No.(s) / Temperature(s) (°C): X403 1.1

Sampling Kit No.: 8126

Equipment ID No.:

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water(Blanks) HW = Potential Haz Waste O = Other(Specify:_____)

Preservative Codes: H = Hydrochloric Acid & Ice I = Ice Only N = Nitrie Acid& Ice S = Sulfuric Acid & Ice X = Sodium Hydroxide & Ice O = Other(Specify)

Chain of Custody

1811026

Page 2 of 2

Project Manager: Brad Sperry
Company: Progressive Engineering And Construction
Address: 12402 N. 56th Street
City, State, Zip: Tampa, Florida 33614
Phone: 813 930 0669 Fax: +1 (813) 930-9809

Southern Research Laboratories, Inc.
2251 Lynx Lane, Suite #1
Orlando, Florida 32804
Main (407) 522-7100 Fax: (407) 522-7043

Project Name: Granville Solvents Site
Project Location: P2347

Sampled by [Print Name(s)] / Affiliation: Brad Sperry / PEC
Sampler(s) Signature(s):

Preservatives (see codes): H

Analyses Requested: 8260B

Project Number:
REQUESTED DUE DATE:
Facility ID#:
Petroleum Restoration Program ____ yes ____ no

	Sample Identification	Sampled Date:	Sampled Time:	Grab or Composite	Matrix: (see codes)	Total Number of Containers	8260B	
11	MW-02(S)	11/14/18	1538	G	GW	2	X	1811026-011
12	Duplicate-1	11/14/18		G	GW	2	X	-012
13/14	MS/MSD-1	11/14/18	1538	G	GW	2	X	-013 -014
15	MW-02D(I)	11/14/18	1610	G	GW	2	X	-015
16	Duplicate-2	11/14/18		G	GW	2	X	-016
17	Equipment Blank-1	11/14/18	1630	G	GW	2	X	-017
18	Trip Blank	11/13/18	8:00	G	W	2	X	Trip Blank -018

Shipment Method:		Relinquished by	Date:	Time:	Accepted by:	Date:	Time:
Out: / /	Via:	Helen Turner	11/5/18	13:55			
Returned: / /	Via:		11/15/18	1200	Helen Turner (Via Fed Exp)	11-16-18	10:55

Additional Comments:

Cooler No.(s) / Temperature(s) (°C): X403
Sampling Kit No.: 8126
Equipment ID No.:

Matrix Codes: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water(Blanks) HW = Potential Haz Waste O = Other(Specify:_____)

Preservative Codes: H = Hydrochloric Acid & Ice I = Ice Only N = Nitric Acid& Ice S = Sulfuric Acid & Ice X = Sodium Hydroxide & Ice O = Other(Specify)

APPENDIX C

Data Validation Packages

DATA VALIDATION REPORT

Laboratory:	Southern Research Laboratories, Inc.
Data Package #:	1808011
Site:	Granville Solvents Site, Granville, OH
Sampling Event:	August 7-9, 2018
Reviewer:	G. Nell Tyner, Ph.D., P.G.
Date:	September 4-5, 2018

A review was conducted of the data from groundwater samples collected at the Granville Solvents Site located in Granville, OH. Sampling was performed August 7-9, 2018, by Progressive Engineering & Construction, Inc. The samples were sent to Southern Research Laboratories, Inc. (SRL) of Orlando, Florida for analysis of volatile organic compounds (VOCs) according to SW-846 EPA Method 5030/8260B. Samples were received by the laboratory on August 10, 2018, on ice and cooled to an appropriate temperature (2.1° C).

The analysis was provided by the laboratory in Report Package **1808011.** A Level II review was performed on the data, and evaluated for the following where applicable:

- Chain-of-Custody forms,
- Case narrative,
- Sample holding times,
- Field QA, including field blanks, trip blanks, and field duplicates,
- Laboratory QA, including method blanks, matrix spike (MS)/matrix spike duplicates (MSDs), laboratory control standards (LCSs), and surrogate recoveries.

The quality of the data was acceptable as discussed below:

VOCs (EPA Method 5030/8260B)

A total of groundwater 32 samples, one trip blank, three equipment blanks, four duplicates, and two pairs of MS/MSDs were analyzed for VOCs.

- Samples were analyzed on August 14-15, 2018. This was within the required holding time of 14 days for preserved samples.

- Associated samples that were analyzed included: PW-04, DUP-1 (PW-04), PW-02, GSSMW-14(D), PW-01(D), GSS-P3(D), PW-3A(D), GSS-P2(D), GSSMW-02(S),GSSMW-10(I), GSSMW-09(I), MS-1 and MSD-1(GSSMW-09(I)), GSSMW-08(I),MW-07D(I), MW-07(S), EQUIP BLANK-1, MW-08(S), MW-08D(I), MW-06(I), DUP-2 (ZZ), MW-06D(D), GSSMW-05(I), MW-01(S), MW-05(S), MW-17(I), MW-16(S), GSSMW-15, MW-03(S), EQUIP BLANK-2, GSSMW-04(I), MW-P1(S), MW-04DR, MS-2 and MSD-2(MW-04DR), MW-04D2(I), GSSMW-13(D), MW-02(S), DUP-3((MW-P1(S)), DUP-4((MW-02(S)), MW-02D(I), GSSMW-12(D), EQUIP BLANK-3, and TRIP BLANK.

- Two method blanks were analyzed with this set of samples. No target analytes were detected in the method blanks and the surrogate recoveries were within QC limits, so no data needed to be qualified based upon method blank results.
- One trip blank was analyzed with this run. No target analytes were detected in the trip blank and the surrogate recoveries were within QC limits, so no data needed to be qualified based upon trip blank results.
- Several samples had to be diluted to bring analytes within calibration range including: tetrachloroethene (PCE), trichloroethene (TCE) and 1,1,1-trichloroethane (1,1,1-TCA) in MW-02(S), DUP-4, and MW-2D(I). These samples were diluted using a 1:10 dilution to bring these compounds into calibration range. None of the other analytes in any of the samples had to be diluted to bring the analytes within calibration range.
- All surrogate recoveries in all project samples were within QC limits for recovery for all samples. No qualifiers are necessary.
- Two laboratory control standards (LCSs) were analyzed with this set of samples. All analytes were within control criteria for percent recovery in both LCSs. The calibration was deemed valid and no qualifiers are necessary based upon the LCS results.
- Two pairs of matrix spike and matrix spike duplicates (MS/MSDs) were analyzed with this set of samples. The samples used for the MS/MSD pairs were collected from GSSMW-09(I) and MW-04DR. All quality control analytes were within control criteria for percent recovery and relative percent difference. No qualifiers are necessary.
- Duplicate samples were collected from PW-04(D) (DUP-1), MW-06(I) (DUP-2), MW-P1(S) (DUP-3), and MW-02(S) (DUP-4). An evaluation of the results shows that the relative percent differences between sample and duplicate results were acceptable (table attached).

Summary

Quality Assurance Project Plan requirements for frequency of collection of duplicates, blanks, and quality control samples were met. No additional qualifiers beyond those already flagged as “I” by the laboratory for being estimated concentrations reported between the method detection limit (MDL) and practical quantitation limit (PQL) are needed based upon the review of the data set and associated Quality Control data.

DATA VALIDATION REPORT

Laboratory:	Southern Research Laboratories, Inc.
Data Package #:	1811026
Site:	Granville Solvents Site, Granville, OH
Sampling Event:	November 13-14, 2018
Reviewer:	G. Nell Tyner, Ph.D., P.G.
Date:	December 11-12, 2018

A review was conducted of the data from groundwater samples collected at the Granville Solvents Site located in Granville, OH. Sampling was performed November 13-14, 2018, by Progressive Engineering & Construction, Inc. The samples were sent to Southern Research Laboratories, Inc. (SRL) of Orlando, Florida for analysis of volatile organic compounds (VOCs) according to SW-846 EPA Method 5030/8260B. Samples were received by the laboratory on November 16, 2018, on ice and cooled to an appropriate temperature (1.1° C).

The analysis was provided by the laboratory in Report Package **1811026.** A Level II review was performed on the data, and evaluated for the following where applicable:

- Chain-of-Custody forms,
- Case narrative,
- Sample holding times,
- Field QA, including field blanks, trip blanks, and field duplicates,
- Laboratory QA, including method blanks, matrix spike (MS)/matrix spike duplicates (MSDs), laboratory control standards (LCSs), and surrogate recoveries.

The quality of the data was acceptable as discussed below:

VOCs (EPA Method 5030/8260B)

A total of groundwater 12 samples, one trip blank, one equipment blank, two duplicates, and one pair of MS/MSDs were analyzed for VOCs.

- Samples were analyzed from November 20-21, 2018. This was within the required holding time of 14 days for preserved samples.

- Associated samples that were analyzed included: MW-08(S), GSSMW-08(I), MW-16(S), MW-17(I), GSSMW-15(I), GSSMW-09(I), MW-07(I), MW-04DR(S), MW-04D2(I), GSSMW-12(D), MW-02(S), DUPLICATE-1, MW-02D(I), DUPLICATE-2, EQUIP BLANK-1, and TRIP BLANK.

- One method blank was analyzed with this set of samples. No target analytes were detected in the method blank and the surrogate recoveries were within QC limits, so no data needed to be qualified based upon method blank results.

- One trip blank was analyzed with this set of samples. No target analytes were detected in the trip blank and the surrogate recoveries were within QC limits, so no data needed to be qualified based upon trip blank results.
- One equipment blank was analyzed with this set of samples. No target analytes were detected in the equipment blank and the surrogate recoveries were within QC limits, so no data needed to be qualified based upon equipment blank results.
- Several samples had to be diluted (at a dilution factor of 10) to bring analytes within calibration range. Dilution was required for trichloroethene (TCE) and 1,1,1-trichloroethane (1,1,1-TCA) in MW-02(S) and DUPLICATE-1 (MW-02(S)). Three compounds, TCE, 1,1,1-TCA, and tetrachloroethene (PCE), had to be similarly diluted in MW-02D(I) and DUPLICATE-2 (MW-02D(I)). None of the other analytes in any of the samples had to be diluted.
- All surrogate recoveries in all project samples were within QC limits for recovery for all samples. No qualifiers are necessary.
- One laboratory control standard (LCS) was analyzed with this set of samples. All analytes were within control criteria for percent recovery in the LCS. The calibration was deemed valid and no qualifiers are necessary based upon the LCS results.
- One matrix spike/matrix spike duplicate (MS/MSD) pair was analyzed with this set of samples. The parent sample used for the MS/MSD was collected from MW-02(S). All quality control analytes were within control criteria for percent recovery (30 – 170%) and relative percent difference. However, trichloroethene (TCE) recoveries were only 36% in both the MS and MSD; results were flagged by the lab with an “L” (not defined). The parent sample reported 240 ug/L of TCE to be detected (i.e., elevated pre-spike concentration), which was more than 5 times the amount of spike (25 ug/L) added. This fact, combined with the percent recovery of TCE in the LCS being acceptable (105%), supports that no qualifiers on the TCE data are necessary or appropriate. [Note: PCE was also flagged with an “L” by laboratory, but the percent recoveries were within QC limits for this compound in both the MS and MSD.]
- Duplicate samples were collected from MW-02(S) and MW-02D(I). An evaluation of the results shows that the relative percent differences between the results reported for MW-02(S) and DUPLICATE-1 and between MW-02D(I) and DUPLICATE-2 are acceptable.

Summary

Quality Assurance Project Plan requirements for frequency of collection of duplicates, blanks, and quality control samples were met. No additional qualifiers beyond those already flagged “J” by the laboratory for being estimated concentrations reported between the method detection limit (MDL) and practical quantitation limit (PQL) are needed based upon the review of the data set and associated Quality Control data.