

Prepared for:

CAPITAL CITY BANK
1301 Metropolitan Boulevard
Tallahassee, FL 32308

**VOLUNTARY REMEDIATION PROGRAM
PROGRESS REPORT #3
Grantville Mill
41 Industrial Way
Grantville, GA 30220**

Prepared by:



1050 Crown Pointe Parkway, Suite 550
Atlanta, Georgia 30338
Tel: 404-315-9113

January 2017

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A handwritten signature in blue ink, reading "Kirk J. Kessler", is positioned above a horizontal line.

Kirk J. Kessler, P.G.
Principal

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PROFESSIONAL GEOLOGIST CERTIFICATION

"I certify under penalty of law that this report and all attachments were prepared by me or under my direct supervision in accordance with the Voluntary Remediation Program Act (O.C.G.A. Section 12-8-101, et seq.). I am a professional engineer/professional geologist who is registered with the Georgia State Board of Registration for Professional Engineers and Land Surveyors/Georgia State Board of Registration for Professional Geologists and I have the necessary experience and am in charge of the investigation and remediation of this release of regulated substances.

Furthermore, to document my direct oversight of the Voluntary Remediation Plan development, implementation of corrective action, and long term monitoring, I have attached a monthly summary of hours invoiced and description of services provided by me to the Voluntary Remediation Program participant since the previous submittal to the Georgia Environmental Protection Division.

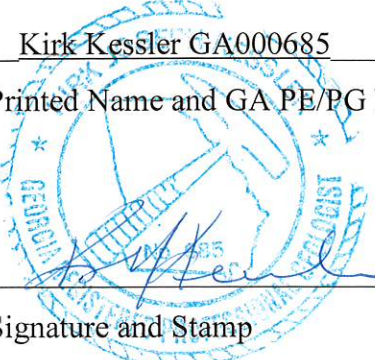
The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Kirk Kessler GA000685

Printed Name and GA PE/PG Number

1/30/2017

Date


Kirk Kessler
Signature and Stamp

1 INTRODUCTION

1.1 Overview

This Voluntary Remediation Program (“VRP”) Progress Report #3 is submitted on behalf of Capital City Bank (“CCB”) for the Grantville Mill site comprised of two parcels as listed on the Hazardous Site Inventory (“HSI”), Site Number 10912. The Grantville Mill Voluntary Investigation and Remediation Plan (“VIRP”) (EPS, 2015) was approved by the Georgia Environmental Protection Division (“GaEPD”) on July 22, 2015 (GaEPD, 2015a). The purpose of this Progress Report is to describe the activities accomplished during the current reporting period, July 2016 through January 2017, and to discuss planned activities for the next reporting period. It includes activities completed through January 22, 2017 associated with off-Site vapor intrusion (“VI”) assessment, testing of on-Site soil, and further delineation and testing of groundwater for volatile organic compounds (“VOCs”).

Specifically, this Progress Report includes: 1) confirmational indoor air test results for an adjacent off-Site property 2) results of an on-Site soil assessment, 3) results of a comprehensive groundwater monitoring event including new monitoring wells, 4) an update to the Conceptual Site Model (“CSM”) and 5) discussion of the planned activities to be completed for the next Site progress report.

1.2 Site Location and Description

The CCB property is located in the City of Grantville, Georgia, Coweta County (Figure 1). The CCB property is listed as Coweta County Parcel ID G050008008 and totals 13.48 acres, and has the physical address of 41 Industrial Way, Grantville, Georgia. The other parcel comprising HSI Site Number 10912, Coweta County Parcel ID G050008008A, is owned by Grantville Mill, LLC and was brought into the VRP as an additional qualifying property (Figure 2). Together these two property parcels constitute the “Site”.

The Property was first developed in the early 1900s as a cotton mill to make uniforms and canvas during World War I. The mill later became West Point Peppermill’s Grantville Mill, operating into the early 1980s when the mill was closed. Since that time, buildings within the facility have been leased to various companies. One of the tenants, Tropic Formals, Ltd., operated a formals clothing business in one of the former mill buildings, at the southwest portion of the mill complex, between 1980 and 1993. Tropic Formals was a RCRA listed handler of the VOC tetrachloroethene (“PCE”) for the purpose of dry cleaning until it changed its registration status to a non-waste generator on December 31, 1993. The Site is listed on the basis of a documented PCE release to groundwater. The Property is now unoccupied and no intention to occupy the Property or the building previously occupied by Tropic Formals, Ltd. is planned.

Properties bordering the Site and their land use are shown on Figure 2 and include:

- to the Northeast - wooded vacant land (Grantville Mill LLC parcel);
- to the East - CSX rail line and Grantville City Cemetery;
- to the South and Southwest - residences; and
- to the West and Northwest – residences and a City park complex.

2 VRP PROJECT MANAGEMENT

2.1 Professional Geologist Oversight

This Progress Report includes a certification by Kirk Kessler, the Professional Geologist (“PG”) specified in the VRP application. Appendix A contains a monthly summary of hours invoiced by the PG.

2.2 Milestone Schedule

The milestone schedule is included in Appendix B.

3 RECENTLY COMPLETED ACTIVITIES

3.1 Overview

This section discusses activities accomplished during the current reporting period including 1) confirmational indoor air test results for an adjacent off-Site property, 2) results of an on-Site soil assessment for the former maintenance shop, and 3) results of a comprehensive groundwater monitoring event including new monitoring wells.

3.2 Off-Site Indoor Air Vapor Intrusion Assessment

A second assessment of indoor air for the residential property nearest the VOC plume (Parcel G03 0001 037, Figure 2) was performed on November 29-30, 2016. Prior testing of indoor air found no Site-related chemicals (prior testing performed May 18-19, 2016) (EPS, 2016). The indoor air sample was collected from the basement of the residence consistent with prior testing and was collected following EPA Method TO-15 (24-hour interval sample). The laboratory report and field collection information is provided in Appendix E. The residence was occupied by a new tenant at the time of sample collection.

Seven VOCs were detected in the November 2016 indoor air sample as summarized in Table 1, including 2-butanone (1.8 micrograms per cubic meter [$\mu\text{g}/\text{m}^3$]), acetone (16 $\mu\text{g}/\text{m}^3$), benzene (0.83 $\mu\text{g}/\text{m}^3$), chloromethane (1.6 $\mu\text{g}/\text{m}^3$), ethyl acetate (7.8 $\mu\text{g}/\text{m}^3$), propylene (2.9 $\mu\text{g}/\text{m}^3$) and toluene (1.7 $\mu\text{g}/\text{m}^3$). VOC constituents associated with the PCE release and groundwater plume on the Grantville Mill property, specifically PCE and PCE degradation products, were not detected in the off-Site indoor air sample. All detected indoor VOCs with the exception of benzene are below residential screening values (10^{-6} target cancer risk) developed by the EPA for human health protection (U.S. EPS, 2016). Benzene is not detected in on-Site or off-Site groundwater. Based on these facts, it is concluded the Site is not the significant source for the indoor air VOCs at this residence.

3.3 On-Site Soil Assessment

Four soil samples from two locations were collected from the former on-Site maintenance shop (Figure 3) to investigate some locations of stained soil, as requested in prior correspondence by the GaEPD (GaEPD, 2015b). At each location one surface sample (0 to 6 inches below ground surface [in-bgs]) and one subsurface sample (6 to 12 in-bgs) were collected with stainless steel field equipment. Each sample was tested for VOCs, semi-volatile organic compounds (“SVOCs”) and RCRA metals.

Both soil samples exhibited staining from 0 to 3 in-bgs with unstained red/brown micaceous clay extending from approximately 3 to 12 in-bgs. The results of the soil testing are summarized in Table 2. Six metals – arsenic, barium, cadmium, chromium, lead and mercury - were detected in soil. No SVOCs were detected. Thirteen VOCs were detected in soil, and with the exception of two - 2-butanone and acetone – all were limited to the near surface soil samples and non-detect in the 6 to 12 in-bgs soil sample (Table 2).

3.4 On-Site Groundwater Assessment

3.4.1 New Monitoring Wells

Two additional groundwater monitoring wells were installed during the current reporting period to refine the horizontal extent of the VOC plume adjacent to off-Site residential properties. Monitoring well MW-17 was installed west of MW-8 and north of MW-6, to a depth of 60 feet below ground surface (ft-bgs) where auger refusal was encountered (Figure 4). Monitoring well MW-18 was installed north of MW-14 to a depth of 53 ft-bgs where auger refusal was encountered (Figure 4). Boring logs for MW-17 and MW-18 are provided in Appendix C¹.

3.4.2 Groundwater Sampling

All on-Site and off-Site groundwater monitoring wells were sampled on October 31, 2016 to November 1, 2016. Field forms are provided in Appendix D. Each well was sampled following low-flow/low stress purging and sampling protocols to reflect the mobile or dissolved organic constituents transported in the subsurface under ambient conditions and prevent alteration of the groundwater condition from sampling operations. A summary of groundwater quality data is provided in Table 3. All wells were tested for VOCs with EPA Method SW8260B. Laboratory analytical reports are provided in Appendix E.

3.4.3 2016 Groundwater Results

Five VOCs were reported in groundwater for the October/November 2016 sampling including: PCE, trichloroethene (“TCE”), cis-1,2-dichloroethene (“cis-DCE”), Freon-11 and chloroform. The occurrence and concentration of each detected constituent are provided on Table 4 and illustrated on Figure 5. PCE was reported highest in MW-16 at 22,000 micrograms per liter (“µg/L”), located near the suspected PCE release area and consistent with the highest reported concentration from prior groundwater assessment. PCE was also reported in six down-gradient wells: MW-5 (3,300 µg/L), MW-6 (1,800 µg/L), MW-8 (6,600 µg/L), MW-14 (730 µg/L), MW-17 (2,900 µg/L), and MW-2 (28 µg/L). Two PCE degradation products were reported: cis-DCE in MW-8 (200 µg/L) and MW-5 (25 µg/L), and TCE in MW-8 (31 µg/L).

¹ Boring logs for MW-1 through MW-6 as received from Ardaman & Associates, Inc. are included with this report in Appendix C.

Freon-11 is reported in MW-2 at 32 µg/L, consistent with past testing, and is the only detection of Freon-11 in the monitoring well network. Chloroform is only reported in off-Site well MW-1 at 20 µg/L, also consistent with past testing. No other VOC is reported in MW-1 and chloroform is not a PCE degradation product. Chloroform is a groundwater contaminant common to areas serviced with a chlorinated drinking water supply due to intentional (*e.g.*, irrigation) or inadvertent discharge (*e.g.*, leaky water distribution or wastewater sewer lines). It is not related to the Site contamination and indeed, Site-related VOC are not present at the MW-1 location.

An updated depiction of the inferred groundwater VOC plume is provided on Figure 5.

4 RISK ASSESSMENT UPDATE

4.1 On-Site Receptors

All on-Site structures are currently unoccupied and no plans to occupy the property exist.

4.2 Off-Site Receptors

The off-Site residence nearest the VOC plume was reoccupied during the second half of 2016. Upon discovery of the property occupancy, additional indoor air sampling was performed to confirm prior test results (*i.e.* no Site related chemicals were detected). As outlined in Section 3, the confirmational testing of the off-Site property indoor air did not detect chemicals present in the groundwater VOC plume. Other VOCs (not present in the groundwater plume) were detected in the indoor air. Detected VOCs are below residential screening values (10^{-6} target cancer risk) developed by the EPA for human health protection (U.S. EPA, 2016) with the exception of benzene. Benzene is not detected in on-Site or off-Site groundwater.

5 PLANNED ACTIVITIES FOR NEXT REPORTING PERIOD

5.1 Development of Risk Reduction Standards

Characterization of the release (*i.e.* occurrence of detected regulated substances) is complete. Risk Reduction Standards (“RRS”) for soil and groundwater will be developed during the next reporting period and submitted in advance of the next progress report.

5.2 Groundwater Vertical Delineation

Vertical delineation of groundwater VOCs continues to be assessed with well pair MW-5/MW-5D, which is located adjacent to the highest reported saporite VOC condition (MW-16). The October 2016 sampling reported 3,300 µg/L in MW-5 (shallow well), and reported non-detect for all VOCs in the deeper MW-5D. A non-detect VOCs condition for MW-5D was also confirmed in November 2015.

5.3 On-site Soil Delineation

The status of soil delineation beneath the main Site building associated with the PCE release will be provided in the next progress report.

6 UPDATES TO THE PRELIMINARY CONCEPTUAL SITE MODEL (CSM)

6.1 Overview

The CSM is intended to establish a common knowledge base about the Site and its environmental condition to facilitate the development of remedial action objectives, and to allow an informed decision regarding possible remedial action measures. For this report, a refinement of the Site lithology (*i.e.* boring logs) and updated geologic cross sections have been prepared. In addition, this update to the CSM refines the hydrogeologic model (potentiometric surface) for the Site.

6.2 Groundwater Flow

An update to the Site hydrogeologic model has been performed to improve assessment of groundwater flow direction. New monitoring wells (MW-17 and MW-18) were surveyed by a registered land surveyor to an established datum (*i.e.* mean sea level). Groundwater depths at each monitoring well were assessed on October 31, 2016 and a potentiometric surface map for the Site was developed for the overburden. As illustrated on Figure 6, groundwater from the suspected release area flows northeast approximately 400 ft, before turning more northerly, consistent with Site topography and surface drainage. Groundwater flow is expected to continue in a northerly direction beyond MW-2 following the axis of the valley floor. Depth to groundwater across the monitoring well network ranged from 8.58 ft-bgs (MW-15) to 30.92 ft-bgs (MW-7).

6.3 Hydrogeologic Cross-section

Figures 7A and 7B provide updated hydrogeologic cross sections for the Site. Cross-section A-A' is oriented from southwest to northeast along the direction of groundwater flow across the Site (Figure 4) and cross section B-B' is oriented northwest to southwest spanning the local valley feature immediately northeast of the presumed PCE release. Monitoring well installation details (*i.e.* screened intervals) and VOC detections are shown on the cross sections. In general, PCE concentrations down-gradient of the assumed release area trend higher in monitoring wells set at the point of drill auger refusal, which characteristically marks the onset of partially weathered rock (*e.g.*, MW-18, MW-8 and MW-14), with nearby shallower wells exhibiting lesser concentrations (*e.g.*, MW-6 and MW-2).

6.4 Summary of Regulated Constituents Detected

6.4.1 Groundwater

Past sampling detected six constituents regulated under Georgia's HSRA in groundwater at the Site: (i) PCE, (ii) TCE, (iii) cis-1,2-dichloroethene, (iv) Freon-11, (v) chloroform, and (vi) bromodichloromethane. Sampling performed in 2016 confirmed the occurrence of each constituent except bromodichloromethane.

6.4.2 Soil

Soil sampling during the current reporting period detected metals and VOCs in the former maintenance shop. Detected soil constituents are listed on Table 2.

6.5 Soil and Groundwater COPC for the Site

The 1st Semi-Annual Report identified three VOCs as constituents of potential concern ("COPC") for the Site groundwater including: PCE, TCE and cis-DCE. Groundwater COPCs are conserved for this report. Based on the addition testing for soil during the current reporting period the former maintenance shop is found to exhibit potential COPC distinct from PCE release area including arsenic, lead and benzene.

6.6 Potential Receptors and Exposure Pathways

6.6.1 On-Site Receptors and Exposure Pathways

The receptors and exposure pathways presented in the VIRP are conserved for this submission, however, the Site is currently unoccupied and no plans to occupy the Property exist.

6.6.2 Off-Site Receptors and Exposure Pathways

As presented in the VIRP, the primary potential exposure pathway for off-Site receptors is for VOC vapor intrusion as no drinking water supply wells are known to exist for the presumed down-gradient plume area. The results of the 2015 and 2016 groundwater sampling, which reported higher VOC concentrations than previously found, indicated the potential for off-Site vapor intrusion. The nearest off-Site property was unoccupied for much of 2016, but was reoccupied sometime during the second half of 2016. Accordingly, a second round of indoor air sampling was performed for the nearest off-site property. Indoor air test results (Section 3.2) found no exposure to COPC to potential occupants in the nearest off-Site residence.

7 REFERENCES

EPS (2015). Voluntary Investigation and Remediation Plan, Grantville Mill, Grantville, Georgia. March 26, 2015.

EPS (2016). Voluntary Remediation Program Progress Report #2, Grantville Mill, Grantville, Georgia. July 2016.

GaEPD (2015a). HSI Site Number 10912, Voluntary Investigation and Remediation Plan Approval Letter, Dated July 22, 2015.

GaEPD (2015b). HIS Site Number: 10912, Voluntary Investigation and Remediation Plan Technical Comments Letter, Dated July 22, 2015.

U.S. EPA. (2016). Vapor Intrusion Screening Level (VISL) Calculator, Version 3.5.1, May 2016.

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TABLES

Table 1.
Summary of Indoor Air Detected Volatile Organic Compounds

Parameter	EPA Indoor Air Target Concentration (Residential)	May 2016		November 2016
		IA-1	IA-2	IA-3
2-Butanone (MEK)	5,200	0.49	0.54	1.8
Acetone	32,000	11	12	16
Benzene	0.36	<0.2	<0.2	0.83
Chloromethane	94	0.48	0.52	1.6
Dichloromethane	100	0.86	0.31	<0.69
Ethyl acetate	73	<0.2	<0.2	7.8
Freon-12	100	0.39	0.38	<0.99
Propylene	3,100	<0.2	<0.2	2.9
Tetrahydrofuran	2,100	1.1	0.99	<0.59
Toluene	5,200	0.23	0.24	1.7

Units: (µg/m³)

<: detection limit shown

Bold: Exceeds EPA Indoor Air Target Concentration for residential exposure.

Table 2.
Summary of Detected Metals, VOCs and SVOCs in Maintenance Shop Soil

	S-1		S-2	
	0"-6"	6"-12"	0"-6"	6"-12"
Metal				
Arsenic	95.5	<3.57	9.47	<4.92
Barium	245	36.8	103	38.7
Cadmium	6.15	<1.78	<2.5	<2.46
Chromium	15.7	41.8	8.91	54.3
Lead	1,130	15.8	126	13.7
Mercury	0.22	<0.0981	0.0934	<0.13
SVOC				
<i>No SVOCs Detected</i>				
VOC				
2-Butanone (MEK)	<2.9	<1.3	<1.8	0.034
2-Hexanone	0.98	<0.27	<0.37	<0.0064
4-Methyl-2-pentanone	1.8	<0.27	<0.37	<0.0064
Acetone	<5.7	<2.7	<3.7	0.28
Benzene	<0.29	<0.13	0.97	<0.0032
Cyclohexane	2	<0.13	1.7	<0.0032
Ethyl benzene	0.53	<0.13	0.61	<0.0032
Isopropylbenzene	<0.29	<0.13	0.24	<0.0032
m&p-Xylene	3.8	<0.13	4.4	<0.0032
Methyl acetate	0.9	<0.13	0.88	<0.0032
Methylcyclohexane	7.6	<0.13	6.6	<0.0032
o-Xylene	2.4	<0.13	2.4	<0.0032
Toluene	2.7	<0.13	6.1	<0.0032

Units: mg/kg

<: detection limit shown

Table 3.
Summary of Groundwater Quality Data

	Conductivity mS/cm	Dissolved Oxygen mg/L	Eh mV	pH Std. Unit	Temperature °C	Turbidity NTU
MW-1						
04/18/14	0.060	9.20	--	5.18	18.20	3.0
11/02/15	0.024	6.47	389	5.01	21.03	8.0
11/01/16	0.030	5.78	374	4.80	20.10	3.5
MW-2						
04/18/14	0.152	8.10	--	5.61	17.90	2.0
11/03/15	0.142	6.70	246	5.33	18.58	4.6
11/01/16	0.103	1.12	348	5.68	17.90	2.1
MW-3						
05/22/14	0.113	6.50	--	5.33	21.81	1.0
11/02/15	0.058	6.71	416	4.83	22.25	6.2
10/31/16	0.063	5.65	380	4.71	25.90	0.0
MW-4						
04/18/14	0.150	7.50	--	5.53	17.60	1.0
11/03/15	0.126	5.96	308	4.74	18.53	9.4
10/31/16	0.086	2.92	399	4.93	22.00	0.8
MW-5						
04/18/14	0.102	8.10	--	5.45	16.50	2.0
11/04/15	0.090	6.95	274	5.63	18.85	0.1
11/01/16	0.064	3.84	249	5.39	18.70	18.0
MW-5D						
05/22/14	4.064	6.50	--	5.31	21.65	1.0
06/30/14	4.064	4.40	--	5.31	21.65	1.1
11/02/15	0.114	4.81	167	10.35	20.88	124.0
11/03/15	0.098	4.23	169	9.93	19.46	72.0
10/31/16	0.096	2.71	179	8.67	18.01	0.2
MW-6						
05/22/14	0.113	7.20	--	5.14	17.93	1.0
11/03/15	0.104	4.43	302	4.54	18.72	2.2
11/01/16	0.062	3.97	386	4.90	17.20	7.6
MW-7						
11/03/15	0.040	8.14	224	4.78	19.73	0.4
10/31/16	0.026	6.68	320	4.58	18.52	2.0
MW-8						
11/03/15	0.091	4.72	131	5.15	18.38	5.0
11/01/16	0.053	2.62	365	5.40	18.01	0.0
MW-9						
11/03/15	0.058	6.69	227	4.74	19.08	7.1
10/31/16	0.036	6.95	424	4.66	16.37	9.2
MW-10						
11/02/15	0.091	8.40	276	5.81	18.27	4.5
10/31/16	0.061	5.15	344	5.25	15.80	0.0
MW-11						
11/02/15	0.041	5.98	310	5.29	17.35	0.8
10/31/16	0.025	4.06	410	4.66	17.41	1.0
MW-12						
11/02/15	0.025	2.82	333	5.90	17.42	7.4
10/31/16	0.033	3.15	347	5.77	14.51	7.1
MW-13						
11/01/16	0.072	5.79	326	5.66	12.74	9.0

mS/cm: milliSiemens per centimeter

mg/L: milligrams per liter

mV: millivolts

°C: Celsius

NTU: Nephelometric Units

Table 3.
Summary of Groundwater Quality Data

	Conductivity mS/cm	Dissolved Oxygen mg/L	Eh mV	pH Std. Unit	Temperature °C	Turbidity NTU
MW-14						
11/01/16	0.061	5.55	392	5.34	14.98	3.4
MW-15						
11/01/16	0.059	5.24	392	5.50	13.74	0.2
MW-16						
11/01/16	0.054	2.93	312	5.54	22.56	0.3
MW-17						
11/01/16	0.075	4.01	267	5.90	20.49	0.0
MW-18						
11/01/16	0.069	5.79	333	5.42	14.07	0.4

mS/cm: milliSiemens per centimeter

mg/L: milligrams per liter

mV: millivolts

°C: Celsius

NTU: Nephelometric Units

Table 4.
Summary of Detected VOCs in Groundwater

	Chloroform	cis-1,2-Dichloroethene	Dichlorobromomethane	Freon-11	Tetrachloroethene	Trichloroethene
MW-1						
04/18/14	1.6	<0.5	0.42	<0.5	3.9	<0.5
11/02/15	25	<5	<5	<5	<5	<5
11/01/16	20	<5	<5	<5	<5	<5
MW-2						
04/18/14	<0.5	0.95	<0.27	11.3	28.7	3.3
11/03/15	<5	<5	<5	31	39	<5
11/01/16	<5	<5	<5	32	28	<5
MW-3						
05/22/14	<0.5	<0.5	<0.27	<0.5	2.3	<0.5
11/02/15	<5	<5	<5	<5	<5	<5
10/31/16	<5	<5	<5	<5	<5	<5
MW-4						
04/18/14	6	<0.5	1.5	<0.5	11.8	<0.5
11/03/15	<5	<5	<5	<5	<5	<5
10/31/16	<5	<5	<5	<5	<5	<5
MW-5						
04/18/14	<0.5	<0.5	<0.27	<0.5	598	<0.5
11/04/15	<5	<5	<5	<5	8,000	<5
11/01/16	<5	25	<5	<5	3,300	<5
MW-5D						
05/22/14	12.1	<0.5	<0.27	<0.5	9.8	6.9
06/30/14	5.3	<0.5	<0.27	<0.5	0.79	3.7
11/02/15	<5	<5	<5	<5	<5	<5
11/03/15	<5	<5	<5	<5	<5	<5
10/31/16	<5	<5	<5	<5	<5	<5
MW-6						
05/22/14	1.1	<0.5	<0.27	<0.5	379	<0.5
11/03/15	<5	<5	<5	<5	1,600	<5
11/01/16	<5	<5	<5	<5	1,800	<5
MW-7						
11/03/15	<5	<5	<5	<5	<5	<5
10/31/16	<5	<5	<5	<5	<5	<5
MW-8						
11/03/15	<5	85	<5	<5	5,100	67
11/01/16	<5	200	<5	<5	6,600	31

Table 4.
Summary of Detected VOCs in Groundwater

	Chloroform	cis-1,2-Dichloroethene	Dichlorobromomethane	Freon-11	Tetrachloroethene	Trichloroethene
MW-9						
11/03/15	<5	<5	<5	<5	<5	<5
10/31/16	<5	<5	<5	<5	<5	<5
MW-10						
11/02/15	<5	<5	<5	<5	<5	<5
10/31/16	<5	<5	<5	<5	<5	<5
MW-11						
11/02/15	<5	<5	<5	<5	<5	<5
10/31/16	<5	<5	<5	<5	<5	<5
MW-12						
11/02/15	<5	<5	<5	<5	<5	<5
10/31/16	<5	<5	<5	<5	<5	<5
MW-13						
01/12/16	<5	<5	<5	<5	<5	<5
11/01/16	<5	<5	<5	<5	<5	<5
MW-14						
01/12/16	<5	<5	<5	<5	510	<5
11/01/16	<5	<5	<5	<5	730	<5
MW-15						
01/12/16	<5	<5	<5	<5	<5	<5
11/01/16	<5	<5	<5	<5	<5	<5
MW-16						
06/22/16	<5	<5	<5	<5	18,000	<5
11/01/16	<250	<250	<250	<250	22,000	<250
MW-17						
11/01/16	<5	<5	<5	<5	2,900	<5
MW-18						
11/01/16	<5	<5	<5	<5	<5	<5

FIGURES

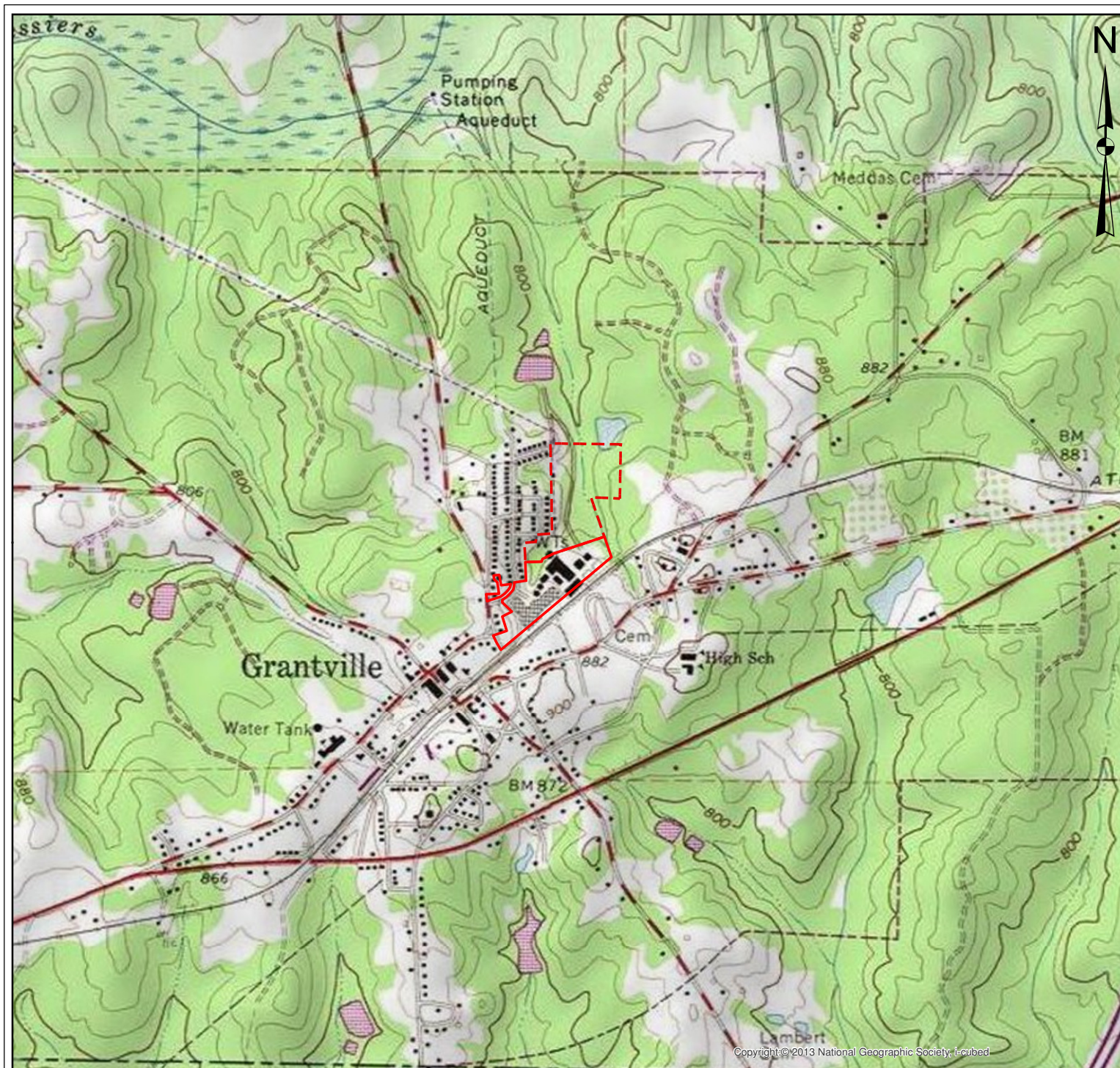


Figure 1
Site Location

Grantville Mill
Grantville, Georgia

Figure Narrative

Figure depicts Site Location and regional topographic features.

Notes

Data obtained from the U.S. Geologic Society.

Legend

- Capital City Bank Parcel
- Grantville Mill LLC Parcel

0 750 1,500
Feet

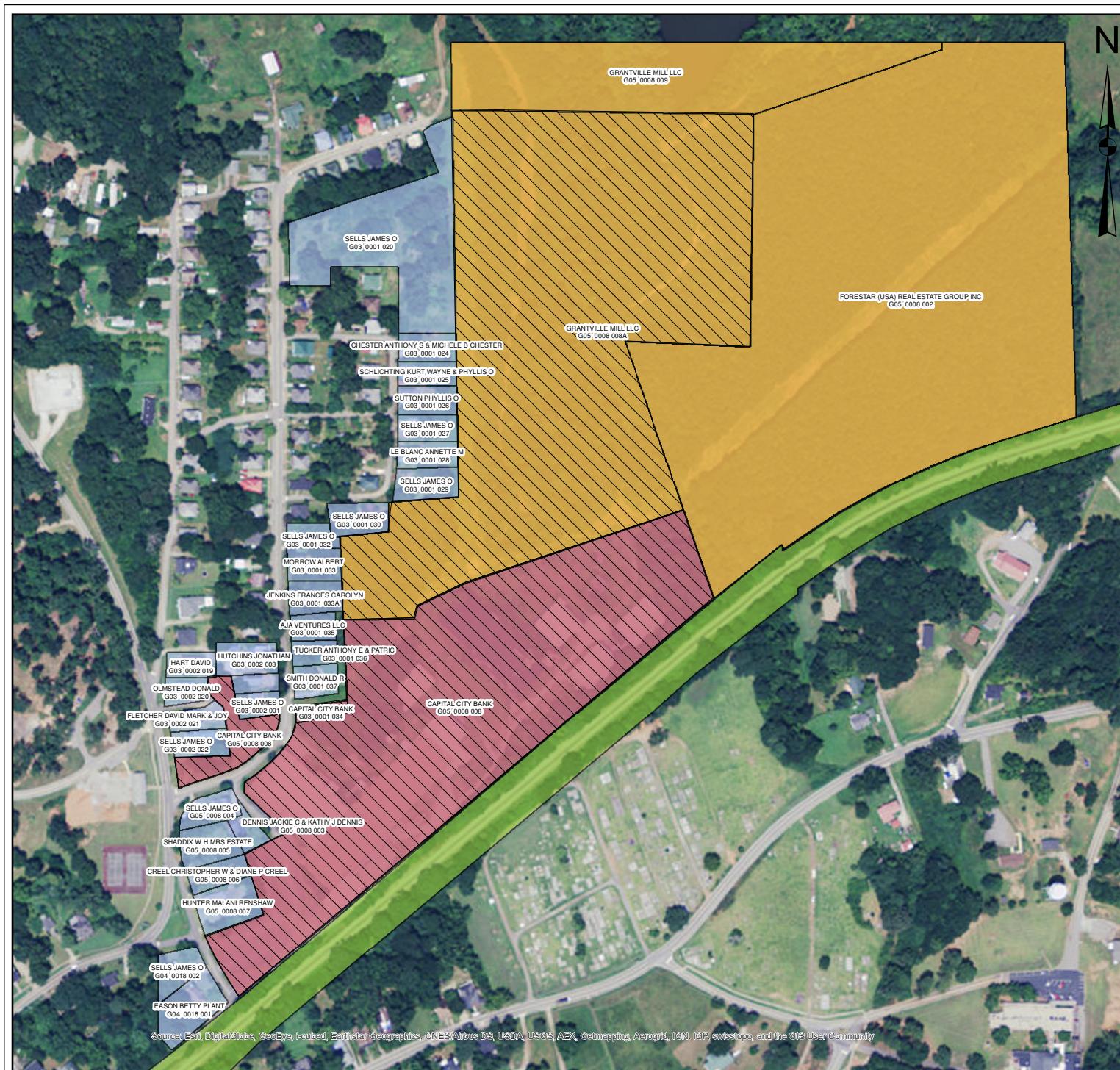


Figure 2
 VRP Properties, Adjacent Land
 Use and Ownership
 Grantville Mill
 Grantville, Georgia

Figure Narrative

Figure depicts land parcel ownership, parcel number, and land use of abutting properties to the Site.

Notes

Data obtained from the Coweta County Geographic Information System.

Legend

Land Use

- Forested/Unoccupied
- Commercial/Industrial
- Residential
- Rail Road

VRP Property Status

- VRP Enrolled Property

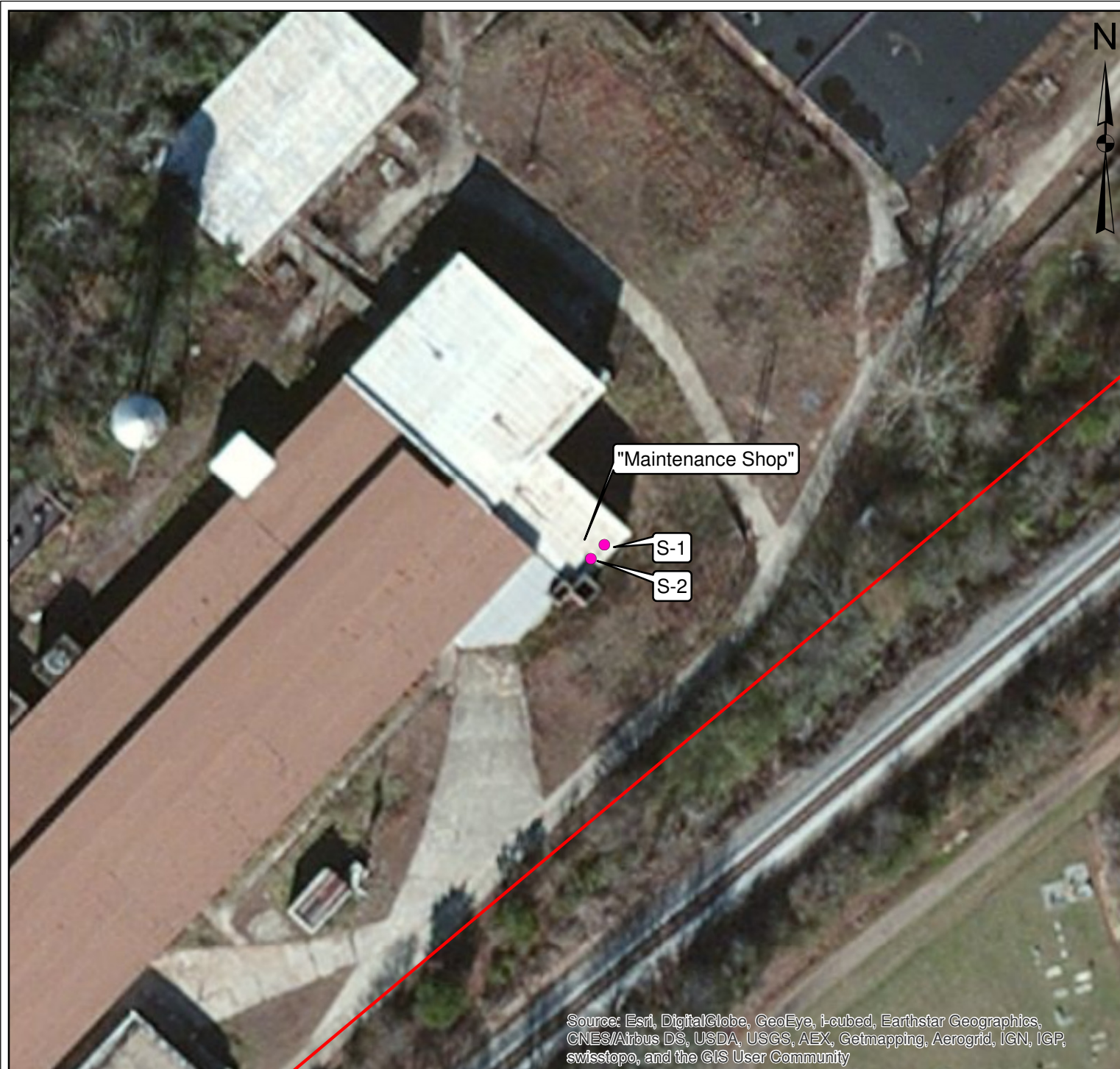


Figure 3
Maintenance Shop
Soil Sample Locations

Grantville Mill
Grantville, Georgia

Figure Narrative

Figure depicts the approximate location of soil sample S-1 and S-2.

Notes

Soil samples collected on November 21, 2016. Sample collection targeted stained soil locations.

Legend

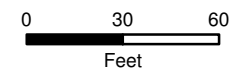
Property Information

 Capital City Bank Parcel

Location

 Soil Sample

Source: Esri, DigitalGlobe, GeoEye, I-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



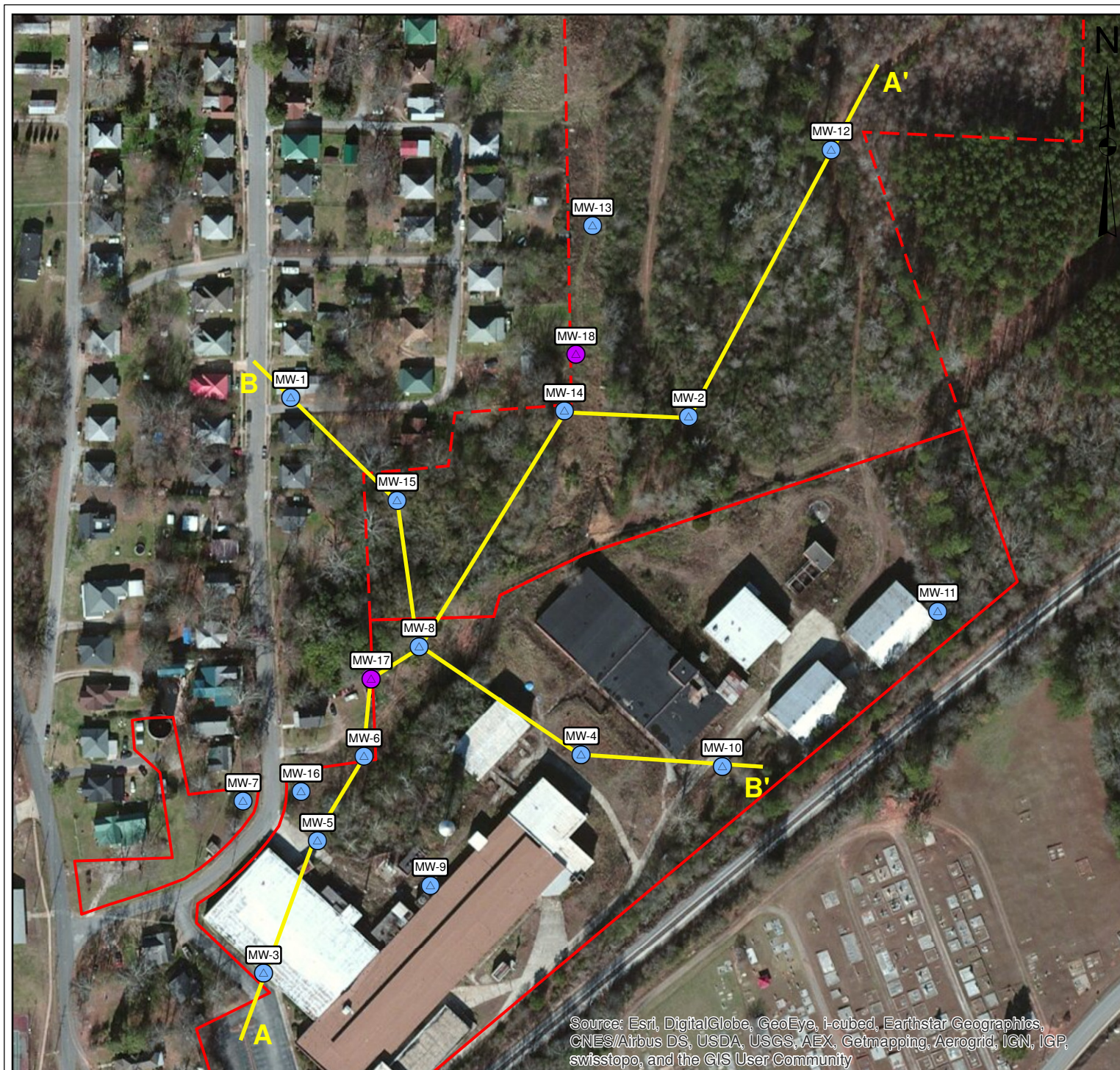


Figure 4
Monitoring Well Network and
Cross Section Transects

Grantville Mill
Grantville, Georgia

Figure Narrative

Figure depicts the Site monitoring well network, new monitoring wells and location of hydrogeologic cross-section A-A' and B-B'.

Notes

MW-17 & MW-18 installed on October 4, 2016.

Legend

Property Information

- ▭ Capital City Bank Parcel
- ▭ Grantville Mill, LLC Parcel

Well Status

- Existing Monitoring Well
- Installed during current reporting period

— Cross section transect

0 100 200
Feet

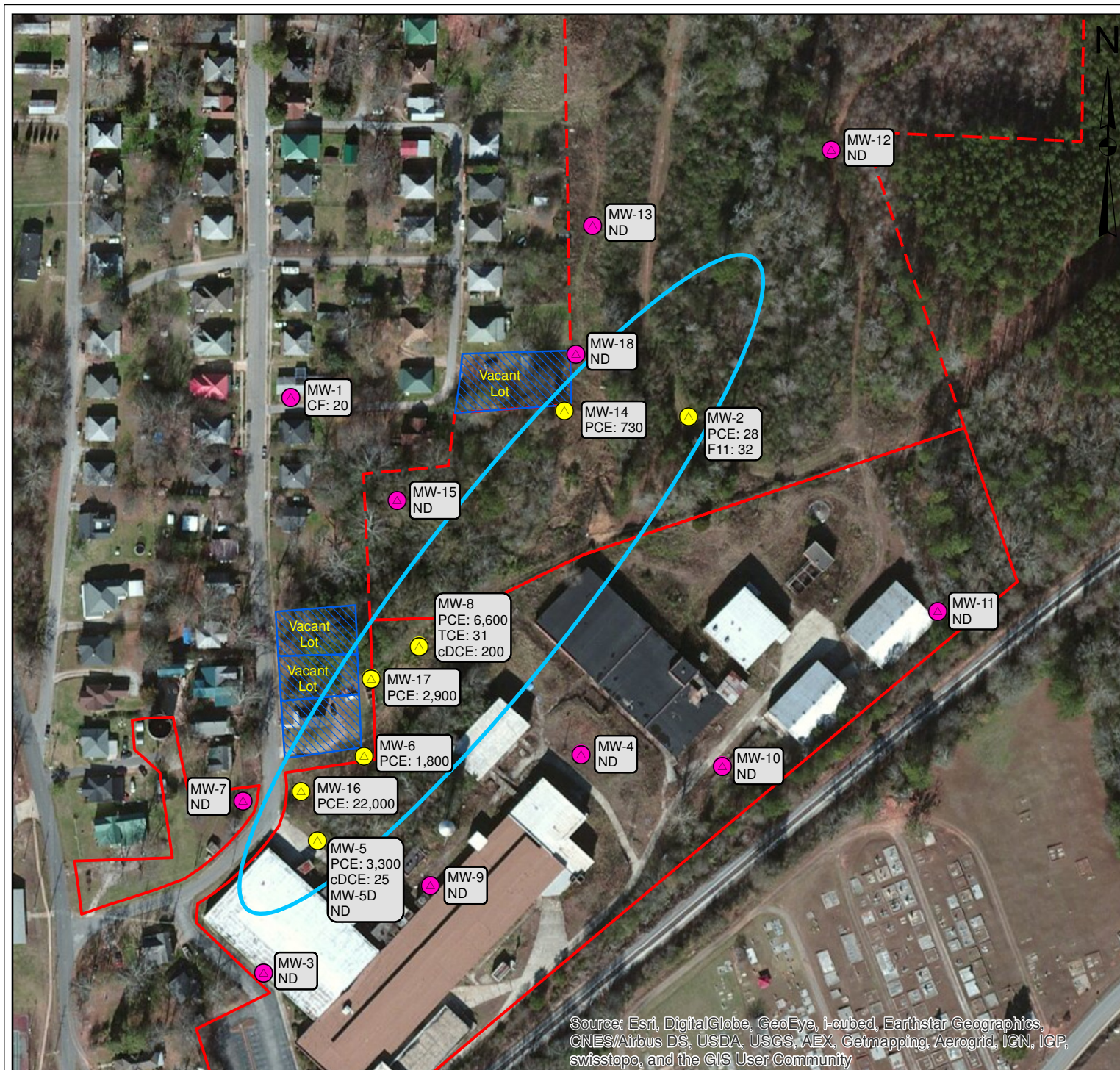


Figure 5
Groundwater Results Summary

Grantville Mill
Grantville, Georgia

Figure Narrative

Figure depicts the current delineation status of groundwater VOCs. Samples collected October 31 & November 1, 2016.

Notes

Units: µg/L
PCE: Tetrachloroethene
TCE: Trichloroethene
cDCE: cis-1,2-Dichloroethene
F11: Freon-11
CF: Chloroform
ND: Non-detect

Legend

Property Information

- Capital City Bank Parcel
- Grantville Mill, LLC Parcel

Current VOC Delineation

- Non-detect VOC
- VOC Detected
- Inferred Plume Boundary
- Parcel intersects or may intersect VOC plume

0 100 200
Feet



Figure 6

Site Potentiometric Surface
and Groundwater Flow Direction

Grantville Mill
Grantville, Georgia

Figure Narrative

Figure depicts Site groundwater flow based on the modeled potentiometric surface.

Notes

Groundwater levels measured
October 31, 2016

Legend

Property Information

- Capital City Bank Parcel
- Grantville Mill, LLC Parcel

Hydrogeologic Model (November 2016)

- Well Location
- Groundwater Elevation (ft)
- Potentiometric Line (ft)
- ➔ Groundwater Flow Direction

Figure 7A
Cross Section A-A'

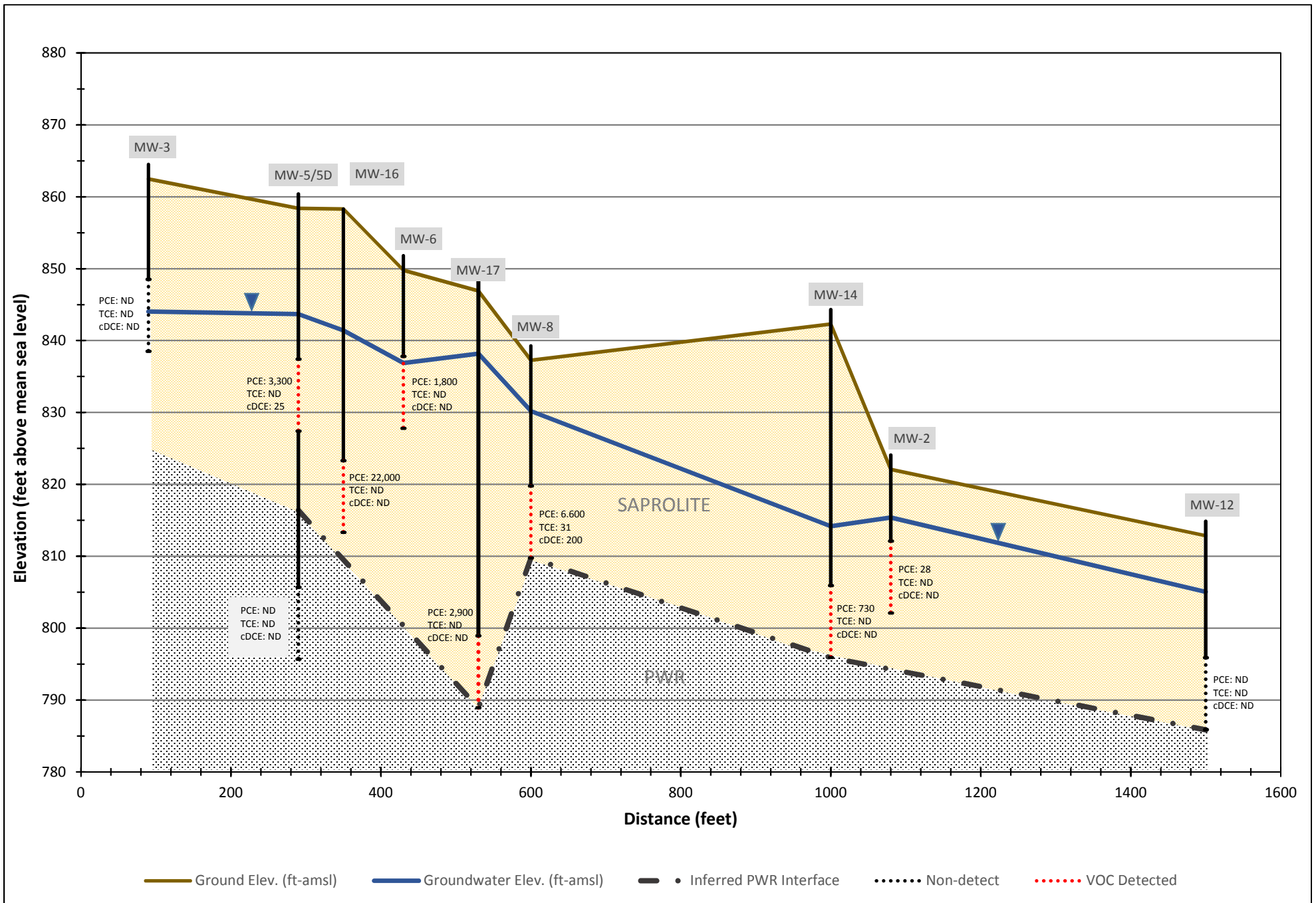
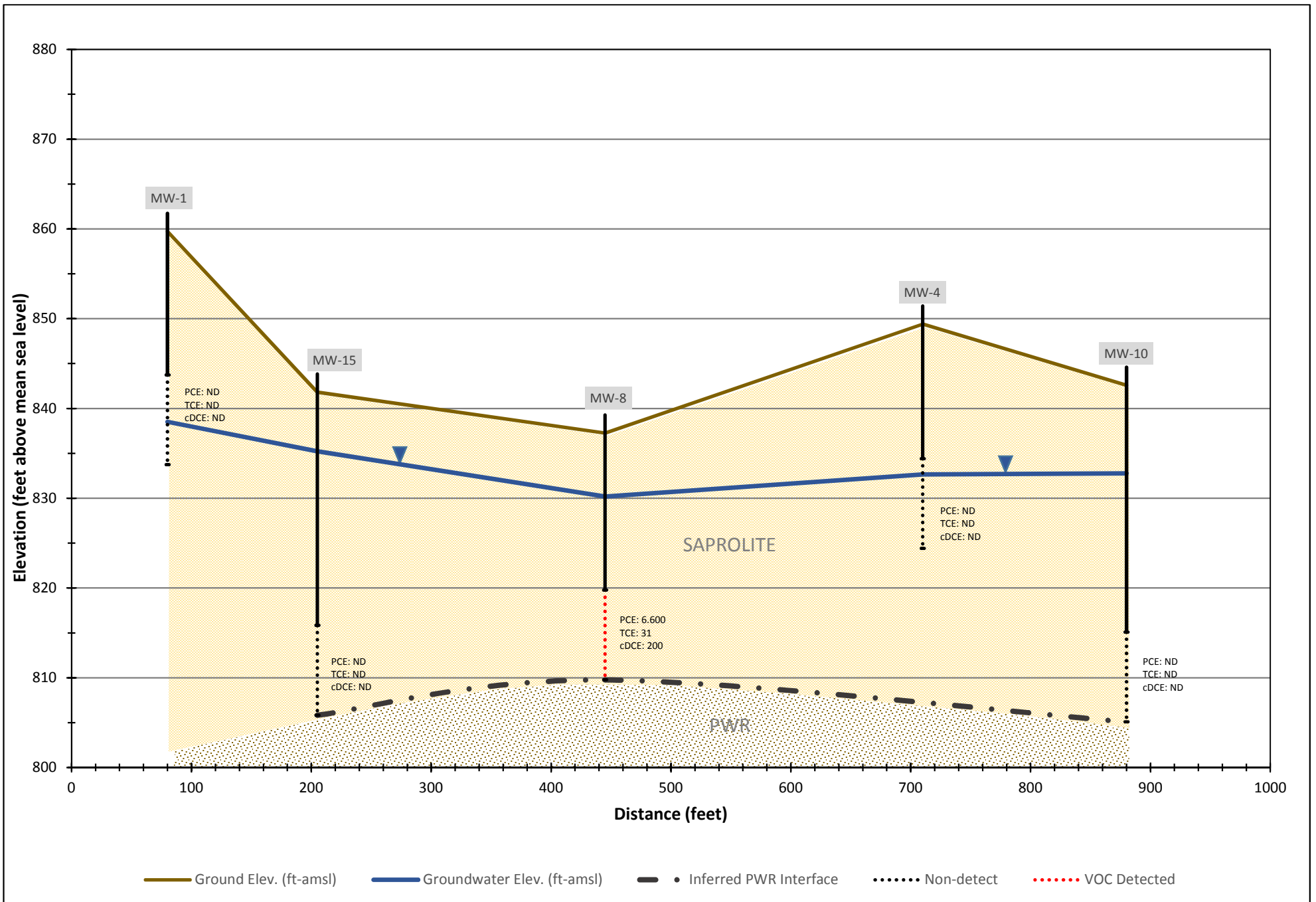


Figure 7B
Cross Section B-B'



APPENDIX A
Professional Geologist Summary of Hours

Appendix A
Professional Geologist Hours
Period: July 2016 - December 2016

Period	Hours
July 2016	4
August 2016	0
Sep-16	0
October 2016	0
Nov-16	0
December 2016	4
Total:	8

APPENDIX B

Milestone Schedule

Appendix B

Project Milestone Schedule Grantville Mill, GA HSI Site

[illegible]

APPENDIX C

Boring Logs

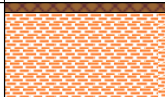
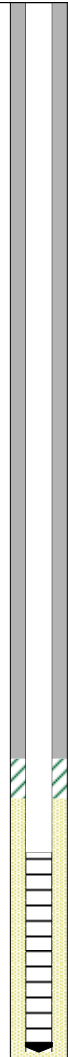
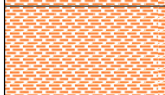
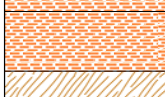
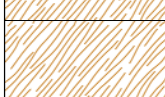
PROJECT:	Grantville Mill	Log of Boring No.	MW-17
SITE LOCATION:	Grantville, GA	TOP OF CASING ELEVATION (ft):	N/A
DRILLING CONTRACTOR:	GeoLab	DATE STARTED:	10/4/2016
DRILLING METHOD:	Hollow Stem Auger	DATE FINISHED:	10/4/2016
DRILLING EQUIPMENT:	Geoprobe	TOTAL DEPTH (ft.):	60
SAMPLING METHOD:	Macrocore w/ Acetate Liner	DEPTH TO WATER AT TIME OF BORING (ft.):	~17
		SCREEN INTERVAL (ft.):	49.75-59.75
		CASING (ft.):	0-49.75
		BOREHOLE DIAMETER (In.):	4.25
		WELL DIAMETER (In.):	2

LOGGED BY: **Joe Terry**

DEPTH (feet)	SAMPLES		PID Reading	DESCRIPTION		WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
	Sample No.	Location				
0				Ground Surface Elevation (ft): N/A		
0				Topsoil		
5			0	Red micaceous clay, fine		
			0	Red micaceous clay		
10				Gray clayey saprolite		
			0.1	Gray clayey saprolite, fine		
15			0	Gray, red clayey saprolite		
20				Gray, brown clayey saprolite		
			0.2	Brown, white micaceous saprolite		
25			1.1	Brown, white, pink micaceous saprolite		
30				Light brown saprolite, fine		
			5.6	Tan, red saprolite, medium to fine		
35			11.1	Light brown saprolite, medium to fine		
40				Light brown saprolite w/ gold mica flakes		
			6.4	Light brown, white micaceous saprolite, coarse to medium-grain		
45						Direct push refusal at ~43 ft bgs. Advanced to ~60 ft bgs using hollow stem auger.
50						
55						
60						Hollow stem auger refusal at ~60 ft bgs.

PROJECT:	Grantville Mill	Log of Boring No.	MW-18
SITE LOCATION:	Grantville, GA	TOP OF CASING ELEVATION (ft):	N/A
DRILLING CONTRACTOR:	GeoLab	DATE STARTED:	10/4/2016
DRILLING METHOD:	Hollow Stem Auger	DATE FINISHED:	10/4/2016
DRILLING EQUIPMENT:	Geoprobe	TOTAL DEPTH (ft.):	53
SAMPLING METHOD:	Macrocore w/ Acetate Liner	DEPTH TO WATER AT TIME OF BORING (ft.):	~34
		SCREEN INTERVAL (ft.):	42.75-52.75
		CASING (ft.):	0-42.75
		BOREHOLE DIAMETER (In.):	4.25
		WELL DIAMETER (In.):	2

LOGGED BY: **Joe Terry**

DEPTH (feet)	SAMPLES		PID Reading	DESCRIPTION			WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
	Sample No.	Location		Ground Surface Elevation (ft): N/A			
0			0		Topsoil		
5			1.1		Red micaceous clay		
10			0.3		Red clay w/ gold mica flakes		
15			1.1		Red micaceous clay		
20			8.4		Brown, pink saprolite, medium to fine		
25			4.2		Brown, white micaceous saprolite, medium to fine		
30					Brown, white, pink micaceous saprolite, medium to fine		Direct push refusal at ~30 ft bgs. Advanced to ~53 ft bgs using hollow stem auger.
35							
40							
45							
50							
55							Hollow stem auger refusal at ~53 ft bgs.
60							

WELL INSTALLATION RECORD

CLIENT: CCBG

FILE NO. 14-40-1081

PROJECT: Grantville Ga

WELL NO. MW-1

CREW SUPERVISOR JDA

DATE INSTALLED 4/8/14

WELL LOCATION:

GROUND ELEV:

WELL TOP ELEV:

DEPTH
FT.

SOIL PROFILE

- 1 10' pvc screen
- 2 10' pvc riser
- 1 2" 5' pvc riser
- 5 bags cement
- 2/3 bucket b-balls
- 9 bags 20/30 sand
- 1 pvc tip
- 1 4 1/4" wood plug
- 1 well cap
- 1 Alum prot. cover

28

15

1' ✓
2'

10'

WELL SIZE & TYPE
2" pvc sch 40

CASING TYPE

CONCRETE X

BACKFILL
Cement

SEAL TYPE
B-Balls

FILTER TYPE
20/30 Sand

WELL TIP TYPE
2" pvc sch 40



Georgia Department of Natural Resources
Wildlife Resources Division

REMARKS:

WELL INSTALLATION RECORD

CLIENT: CCBG

FILE NO. 14-40-1081

PROJECT: Grantville Ga

WELL NO. Mu'-2

CREW SUPERVISOR JDA

DATE INSTALLED 4/8/14

WELL LOCATION:

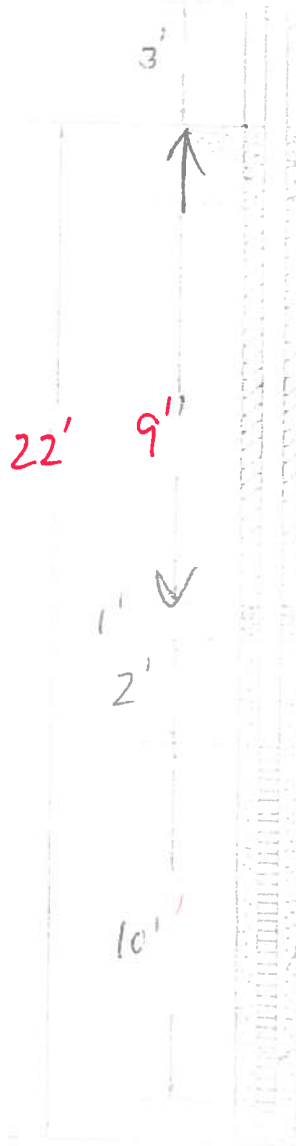
GROUND ELEV:

WELL TOP ELEV:

DEPTH
FT.

SOIL PROFILE

- 1 10' pvc screen
- 1 10' pvc riser
- 1 2" 5' pvc riser
- 3 bags cement
- 2/3 bucket b-balls
- 9 bags 20/30 sand
- 1 pvc tip
- 1 4 1/4" wood plug
- 1 well cap
- 1 Alum prot. cover



WELL SIZE & TYPE

2" pvc Sch 40

CASING TYPE

CONCRETE X

BACKFILL

Cement

SEAL TYPE

B-Balls

FILTER TYPE

20/30 Sand

WELL TIP TYPE

2" pvc Sch 40

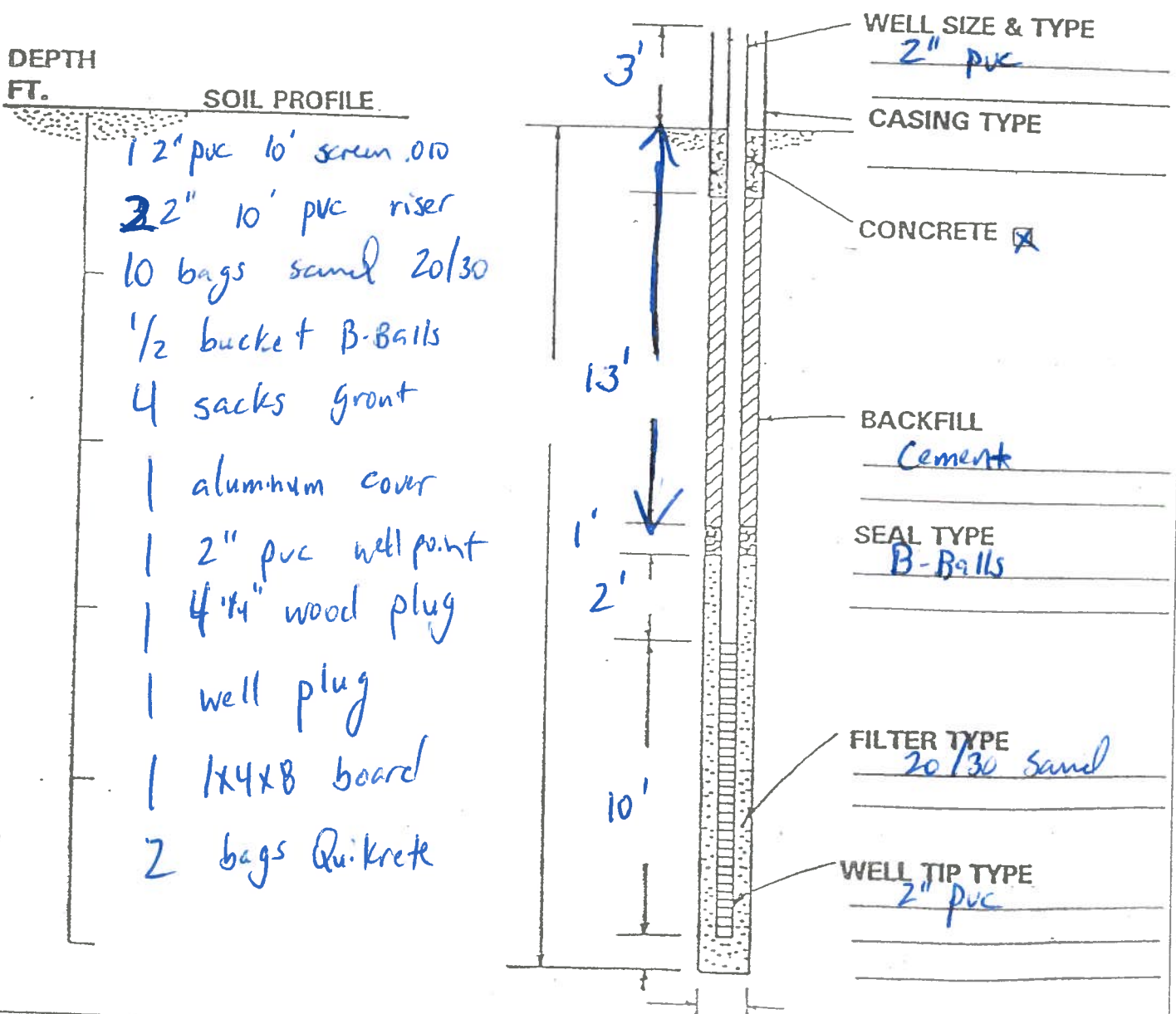
REMARKS:



Environmental Engineering
and Management Consulting

WELL INSTALLATION RECORD

CLIENT: CCBG FILE No. 14-40-1081
 PROJECT: Grantville Ga WELL NO. MW-3
 CREW SUPERVISOR: JDA DATE INSTALLED: 5/6/14
 WELL LOCATION: per plan 7-
 GROUND ELEV: _____ WELL TOP ELEV: _____



REMARKS: _____



Ardaman & Associates, Inc.
 Geotechnical, Environmental
 and Materials Consultants

WELL INSTALLATION RECORD

CLIENT: CEBG

FILE No. 14-40-1081

PROJECT: Grantville Ga

WELL NO. MW-4

CREW SUPERVISOR: JDA

DATE INSTALLED: 4/8/14

WELL LOCATION: _____

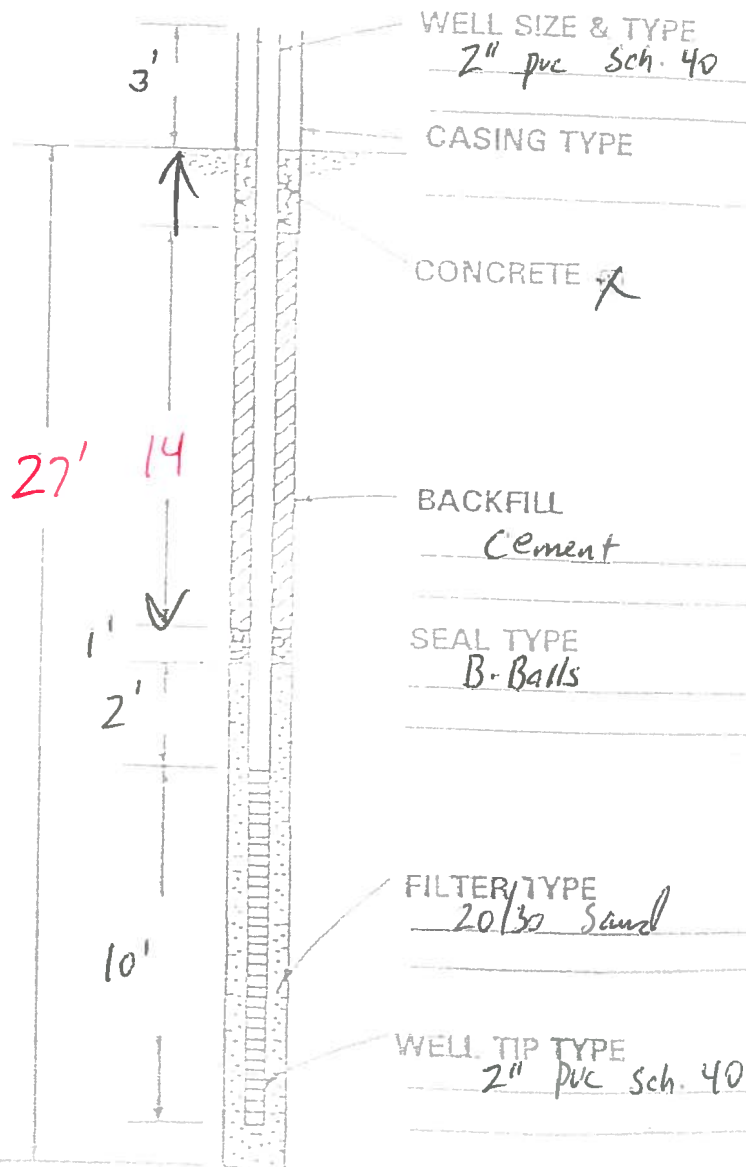
GROUND ELEV: _____

WELL TOP ELEV: _____

DEPTH
FT.

SOIL PROFILE

- 1 10' pvc screen
- 2 10' pvc riser
- 1 2" 5' pvc riser
- 4 bags cement
- 2/3 bucket b-balls
- 8 bags 20/30 sand
- 1' pvc tip
- 1 4 1/4" wood plug
- 1 well cap
- 1 Alum prot. cover



REMARKS: _____



Andaman & Associates, Inc.
Geotechnical, Environmental
and Materials Consultants

WELL INSTALLATION RECORD

CLIENT: CCBG

FILE NO. 14-40-1081

PROJECT: Grantville Ga

WELL NO. Ma'-5

CREW SUPERVISOR JDA

DATE INSTALLED: 4/8/14

WELL LOCATION:

GROUND ELEV:

WELL TOP ELEV:

DEPTH
FT.

SOIL PROFILE

- 1 10' pvc screen
- 3 10' pvc riser
- 6 bags cement
- 2/3 bucket b-balls
- 10 bags 20/30 sand
- 1 pvc tip
- 1 4 1/4" wood plug
- 1 well cap
- 1 Alum prot. cover

33' 20'

3'



1' ✓
2'

10'

WELL SIZE & TYPE
2" pvc Sch. 40

CASING TYPE

CONCRETE X

BACKFILL
Cement

SEAL TYPE
B-Balls

FILTER TYPE
20/30 Sand

WELL TIP TYPE
2" pvc Sch. 40

REMARKS:



Environmental Engineering
and Construction Services

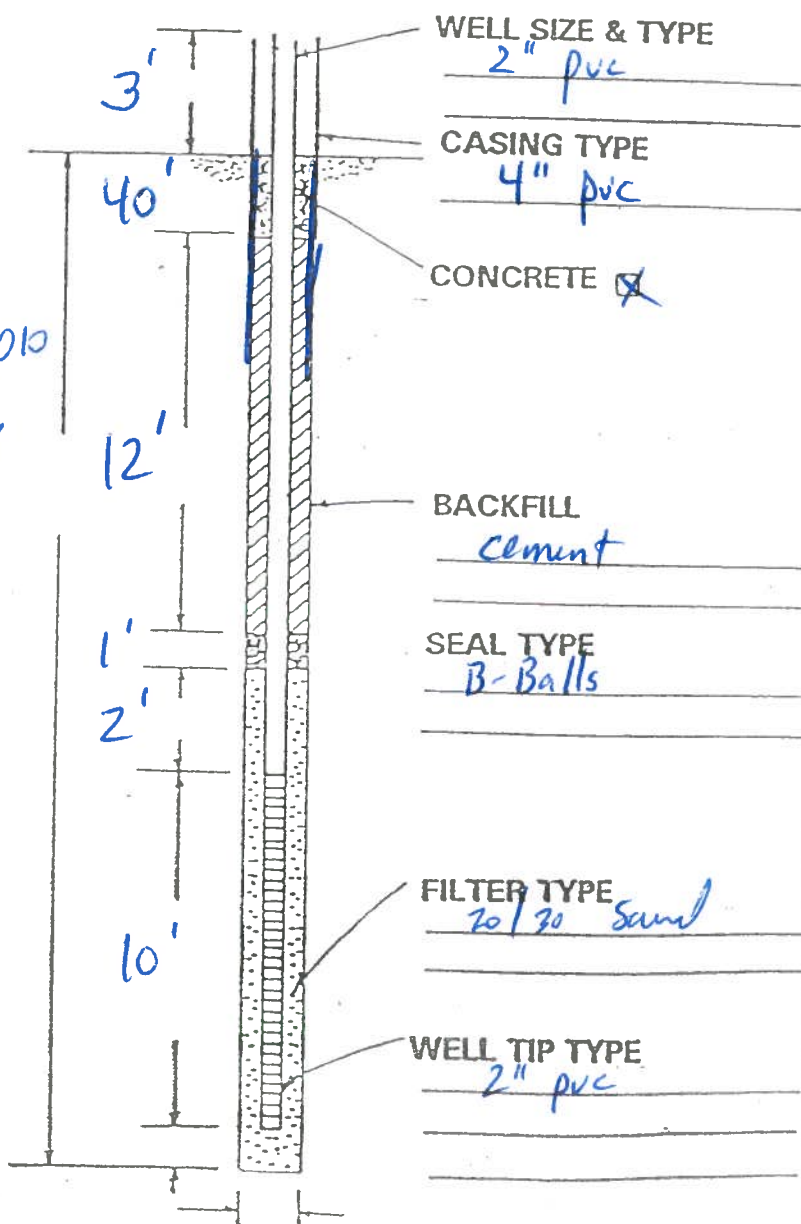
WELL INSTALLATION RECORD

CLIENT: CCBG FILE No. 14-40-1081
 PROJECT: Grantville Ga WELL NO. MW-5D
 CREW SUPERVISOR: JDA DATE INSTALLED: 5/8/14
 WELL LOCATION: per plan 1/-
 GROUND ELEV: _____ WELL TOP ELEV: _____

DEPTH
FT.

SOIL PROFILE

4 4" x 10' pvc
 6 2" x 10' pvc
 1 2" x 10' pvc screen, 0.10
 5 bags 20/30 sand
 1/2 bucket B-Balls
 12 sacks grout
 1 aluminum cover
 1 2" well point
 1 well plug
 1 1x4x8 board
 2 bags Quikrete



WELL SIZE & TYPE

2" pvc

CASING TYPE

4" pvc

CONCRETE ☒

BACKFILL

Cement

SEAL TYPE

B-Balls

FILTER TYPE

20/30 Sand

WELL TIP TYPE

2" pvc

REMARKS:



Ardaman & Associates, Inc.

Geotechnical, Environmental
and Materials Consultants

**ARDAMAN & ASSOCIATES, INC.**Geotechnical, Environmental and
Materials Consultants**BORING LOG****GENERAL DATA**

MW-5D

DEPTH FT.	BLOWS PER 6"	'N' VALUE	SAMPLE NO.	DESCRIPTION OF MATERIAL	% RECOVERY
			(14)		
5	1 1/2	4	(1)		
	2 3/4	8	(2)		
10	2 3/4	12	(3)		
15	3 1/4	9	(4)		
20	2 3/4	12	(5)		
	4 5/8	11	(6)		
25	2 3/4	7	(7)		
30	3 3/4	7	(8)		
35	12				

4"
pvcFILE NO. M-40-1081
CLIENT: C.C.B.G.
SITE: Grantville Ga
HOLE NO. MW-5 SHEET 1 OF 1
LOCATION OF BORING per plan 1/2DATE 5/7/14

CASING:

INSIDE DIAMETER _____ IN.
OUTSIDE DIAMETER _____ IN.
DEPTH OF CASING _____ FT.

SPOON:

INSIDE DIAMETER 1.5 IN.
OUTSIDE DIAMETER 2.0 IN.

HAMMER:

HAMMER WEIGHT 140 LB.
DROP OF HAMMER 30 IN.

ELEVATION:

GROUND SURFACE _____ FT.

GWL:

DATE 1st _____
DATE 2nd _____
ACTUAL ELEVATION _____

DRILLING CREW:

JD 1
TBL
SM 14

REMARKS:

**ARDAMAN & ASSOCIATES, INC.**Geotechnical, Environmental and
Materials Consultants

FILE NO. 14-40-1081

BORING NO. MW-50

SHEET 2 OF

DEPTH FT.	BLOWS PER 6"	'N' VALUE	SAMPLE NO.	DESCRIPTION OF MATERIAL	% RECOVERY	DEPTH FT.	BLOWS PER 6"	'N' VALUE	SAMPLE NO.	DESCRIPTION OF MATERIAL	% RECOVERY
14 15	29	(9)		4" PVC ↓							
40 41	32	(10)		— hand drilling @ 42		75					
45 46	50	5" (11)		— softer @ 46'		80					
50 51	5	6 (12)				85					
55 56	10 12	26 (13)				90					
60 61	12 15	20 35 (14)				95					
65						100					
70						105					

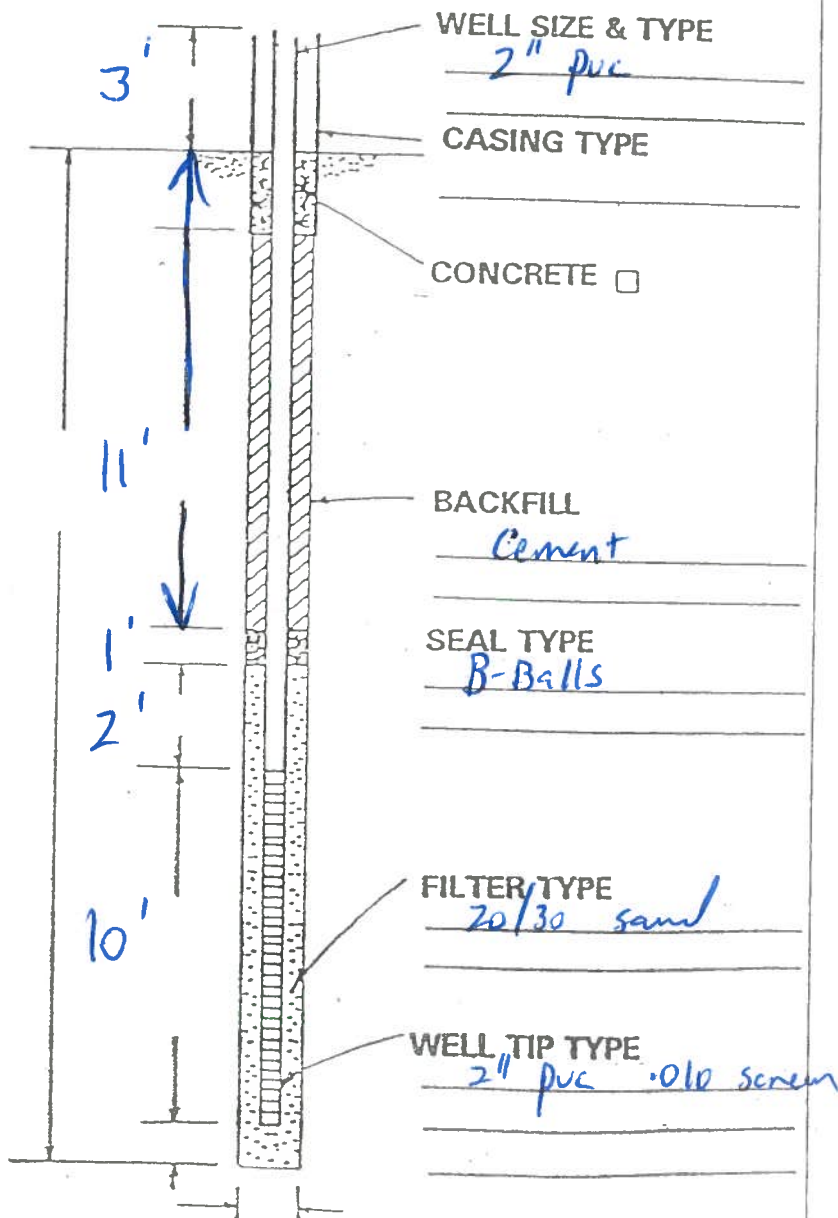
WELL INSTALLATION RECORD

CLIENT: CCBG FILE No. 14-40-1081
 PROJECT: Grantville Ga WELL NO. MW-6
 CREW SUPERVISOR: JDA DATE INSTALLED: 5/8/14
 WELL LOCATION: per plan 11-
 GROUND ELEV: _____ WELL TOP ELEV: _____

DEPTH
FT.

SOIL PROFILE

1 2" 10' pvc Screen .010
 2 2" 10' pvc riser
 4 bags 20/30 sand
 1/2 bucket B-Balls
 4 bags grout
 1 aluminum cover
 1 2" pvc well point
 1 4 1/4" wood plug
 1 well plug
 1 1x4x8 board
 2 bags Quikrete



REMARKS:



Ardaman & Associates, Inc.
 Geotechnical, Environmental
 and Materials Consultants

APPENDIX D

Monitoring Well Sampling Forms



Date: 11-1-16

Field Conditions: Clear, 80°F

General Condition of Well: Good

Condition of surrounding area: Good

Depth to Water from TOC: 23.31

Method of measure: Water Level Meter

7.47

Three Well Volumes (gal): 3.6

Time @ Start of Purge: 1310

Sample Parameters: VOC

Horiba #: DSMUMN2T

Sample ID: 16306-MW-1

Time Collected: 14:00

Technician Signature 



Monitoring Well Sampling Form

EPS Project: Grantville Mill

Date: 10-31-16

Well ID: MW-3
Sampling Performed By: JT, MRS
Well Construction: stick-up
Well Labeled: ☒ Well Cap: ☒ Well Locked: ☒
Well depth from TOC: 26.33
Well Diameter (in): 2
Height (Ht) of water in well (Well depth from TOC - Static level from TOC):
Volume of water in well (Ht. x (.16 for 2") (.653 for 4") (1.469 for 6")): 0.94
Purging Method: micropurge (peristaltic)
Sample Method: straw method

Field Conditions: sunny 75°F
General Condition of Well: good
Condition of surrounding area: grass near rd
Depth to Water from TOC: 20.45
Method of measure: Water Level Meter
5.86
Three Well Volumes (gal): 2.8
Time @ Start of Purge: 1115
Sample Parameters: VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
1148	0.66	23.31	4.73	372	0.061	0.0	6.42	20.50	pump intake set mid-screen purge rate = 0.02 gpm
1206	1.02	24.23	4.71	376	0.061	0.0	6.07	20.50	
1230	1.5	25.44	4.70	359	0.063	0.0	6.45	20.50	
1240	1.7	25.70	4.71	379	0.063	0.0	5.75	20.50	
1250	1.9	25.90	4.71	380	0.063	0.0	5.65	20.50	

Horiba #: DJMUMN2T

Sample ID: 16305-MW-3

Time Collected: 1255

Technician Signature: Melissa Syntz



EPS Project: Grantville Mill

Date: 10-31-16

Well ID: MW-4

Field Conditions: Clear 78°F

Sampling Performed By: JT. MRS

Well Construction: stick-up

Well Labeled: ☒ Well Cap: ☒ Well Locked: ☒

Well depth from TOC: 29.73 Well cap: ✓ Well Locked: ✓

Well Diameter (in): 7

Height (Ht) of water in well (Well depth from TOC - Static level from TOC):

Volume of water in well (Ht. x (.16 for 2") (.653 for 4") (1.469 for 6")): 3 ms

Purging Method: microaerophilic (peristaltic)

Sample Method: straw

General Condition of Well: good

Condition of surrounding area: grassy field

Depth to Water from TOC: 18.74

Method of measure: Water Level Meter

10.98

Three Well Volumes (gal): 5 L

Start of Purge: 1318

Start of Target: 1310
 Parameters: $\sqrt{0.5}$

MA
14

Horiba #: 450D446X

Sample ID: 16305-MW-4

Time Collected: 1430

Technician Signature Melissa Spital



Date: 11-1-16

Field Conditions: Clear 86°F

General Condition of Well: *Good*

Condition of surrounding area: Unimproved surface

Depth to Water from TOC: 12.70

Method of measure: Water Level Meter

28.77

Three Well Volumes (gal): 13.8

Time @ Start of Purge: 1554

Sample Parameters: V034

[illegible]

Horiba #: 450DYU6X

Sample ID: 16306-MW-5

Time Collected: 17:00

Technician Signature

Monitoring Well Sampling Form

EPS Project: Grantville Mill

Date: 11-14-66

Well ID: MW-6

Field Conditions: Clear, 80°F

Sampling Performed By: Justin Vickers

Well Construction: _____

Well Labeled: N Well Cap: ✓ Well Locked: ✓

Well depth from TOC: 26.41

Well Diameter (in): 2

Height (Ht) of water in well (Well depth from TOC - Static level from TOC):

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"):

Purging Method: Micro purge

Sample Method: Direct

[illegible]

General Condition of Well: Good

Condition of surrounding area: *G/12/12*

Depth to Water from TOC: 14.91

Method of measure: Water Level Meter

11.5

Three Well Volumes (gal)

Start of Purge: 14/00

ole Parameters: VOC

[illegible]

Horiba #: 4J0DYU6X

Sample ID: 16306-MW-6

Time Collected: 15:10

Technician Signature

Monitoring Well Sampling Form

EPS Project: Grantville Mill		Date: 10-31-16
Well ID: MW-7	Field Conditions: clear, 52°F	
Sampling Performed By: JT, MRS		
Well Construction: Stick up	General Condition of Well: good	
Well Labeled: Well Cap: y	Well Locked: y	Condition of surrounding area: grass
Well depth from TOC: 37.90	Depth to Water from TOC: 30.92	
Well Diameter (in): 2	Method of measure: Water Level Meter	
Height (Ht) of water in well (Well depth from TOC - Static level from TOC):	6.98	
Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(.1469 for 6")):	1.1	
Purging Method: micro purge w/ Solinst 400 2-valve pump	Time @ Start of Purge: 0902	
Sample Method: direct	Sample Parameters: VOCs	
	Three Well Volumes (gal): 3.3	

[illegible]

Horiba #: 4J0DYU6X

Sample ID: 16305-MW-7

Time Collected: 1045

Technician Signature Joe Terry



Date: 11-1-16

Field Conditions: Clear, 95°F

General Condition of Well: *good*

Condition of surrounding area: Excl.

Depth to Water from TOC: 9.0

Method of measure: Water Level Meter

21.60

Three Well Volumes (gal): 10.5

Time @ Start of Purge: 1415

Sample Parameters: VOC₁

[illegible]

Horiba #: DSMMN2T

Sample ID: 16306 - MW-8

Time Collected: 1520

Technician Signature Joe King



Date: 10/31/16

Field Conditions: Sunny 75°F

General Condition of Well: good

Condition of surrounding area: behind building

Depth to Water from TOC: 27.31

Method of measure: Water Level Meter

16.53

Three Well Volumes (gal): 8.0

@ Start of Purge: 1142

Sample Parameters: VOCs

Horiba #: 4J0DYU6X

Sample ID: 16305-MW-9

Time Collected: 1255

Technician Signature Joe Lopez

[illegible]

Technician Signature Melissa Spitznagel



Monitoring Well Sampling Form

EPS Project: Grantville Mill

Date: 10/31/2016

Well ID: MW-11

Field Conditions: sunny 80°F

Sampling Performed By: JT, MRS

Well Construction: stick-up

Well Labeled: Well Cap: ☒

Well Locked: ☒

General Condition of Well: good

Condition of surrounding area: shaded area

Well depth from TOC: 38.16

Depth to Water from TOC: 13.18

Well Diameter (in): 2

Method of measure: Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC):

24.98

Volume of water in well (Ht. x (.16 for 2") (.653 for 4") (1.469 for 6")): 4.0

Three Well Volumes (gal): 12.0

Purging Method: micropurge (peristaltic)

Time @ Start of Purge: 1452

Sample Method: straw

Sample Parameters: VOCs

Time	Volume (gal)	Temp (°C)	pH	ORP (mV)	Cond. (mS/cm)	Turbidity (NTU)	DO (mg/L)	Depth to Water (ft)	Comments
3:520	0.56	18.53	4.65	379	0.025	1.0	3.67	13.27	pump intake set at mid-screen purge rate = 0.02gpm
1543	1.02	17.87	4.64	398	0.025	1.2	3.92	13.27	
1553	1.22	17.53	4.64	404	0.025	1.2	4.17	13.27	
1603	1.42	17.41	4.66	410	0.025	1.0	4.06	13.27	

Horiba #: 450D4UGX

Sample ID: 16305-MW-11

Time Collected: 1605

Technician Signature: *Melissa Spitz*

Monitoring Well Sampling Form

EPS Project: Grantville Mill

Date: 10/31/16

Well ID: MW-12

Field Conditions: Sunny

Sampling Performed By: JT. MRS

Well Construction: Stick-up

Well Labeled: no Well Cap: yes

Well Cap:

missida

Well Locked: *open*

General Condition of Well: good except open cap

Condition of surrounding area: wooded and shaded

Well depth from TOC: 31.25

Depth to Water from TOC: 9.81

Well Diameter (in): 2

Method of measure: Water Level Meter

Height (Ht) of water in well (Well depth from TOC - Static level from TOC):

21.44

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"):

Three Well Volumes (gal): 10.3

Purging Method: microperistaltic

Time @ Start of Purge: 1506

Sample Method: straw

Sample Parameters: VOCs

[illegible]

Horiba #: DJMU MN2T

Sample ID: 16305-MW-12

Time Collected: 1625

Technician Signature Joe Terry



EPS Project: Grantville Mill

Date: 11-1-16

Well ID: MW-15

Field Conditions:

Sampling Performed By: J. Terry, J. Vickrey

Well Construction: St. 2/2 up

Well Labeled: ☒ Well Cap: ☒ Well Locked: ☒

Well depth from TOC: 38

Well Diameter (in): 2

Height (Ht) of water in well (Well depth from TOC - Static level from TOC):

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"):

Purging Method: micropurge (peristaltic pump)

Sample Method: straw

General Condition of Well: good

Condition of surrounding area: *wooded area*

Depth to Water from TOC: 0.58

Method of measure: Water Level Meter

29.42

Three Well Volumes (gal): 14.1

Time @ Start of Purge: 0822

Sample Parameters: 1000

Horiba #: 4J0BYU6X

Sample ID: 16306-MW-15

Time Collected: 0942

Technician Signature Joe T...



EPS Project: Grantville Mill

Well ID: MW-16

Sampling Performed By: J. Terry, J. Vickery

Well Construction: Flush mount

Well Labeled: ☒ Well Cap: ☒ Well Locked: ☒

Well depth from TOC: 45.16

Well Diameter (in): 2

Height (Ht) of water in well (Well depth from TOC - Static level from TOC):

Volume of water in well (Ht. x(.16 for 2")(.653 for 4")(1.469 for 6"):

Purging Method: micro purge (peristaltic pump)

Sample Method: Straw

General Condition of Well: good

Condition of surrounding area: unimproved surface

Depth to Water from TOC: 16.09

Method of measure: Water Level Meter

29.07

Three Well Volumes (gal): 14.1

Time @ Start of Purge: 1615

Sample Parameters: 100A

Horiba #: DIMUMN21

Sample ID: 16306-MW-16

16306-Dvp

Time Collected: 1710

1200

Technician Signature Joe T...

Monitoring Well Sampling Form

[illegible]

Horiba #: DSMUYN2T

Sample ID: 16306-MW-17

Time Collected: 15:50

Technician Signature _____



Date: 11-1-16

Field Conditions: Clear, 65°F

Justin Vickery

Stück

Well Cap:

405

Well Locked:

525

General Condition of Well:

61212

Condition of surrounding area:

6001

Well depth from TOC:

53

Well Diameter (in):

2

Method of measure: Water Level Meter

22.25

Height (Ht) of water in well (Well depth from TOC - Static level from TOC):

Volume of water in well (Ht. x(.16 for 2")(.653 for 4") (1.469 for 6")):

3.6

Purging Method:

Microphyte

Time @ Start of Purge:

Three Well Volumes (gal):

10. 2.

Sample Method:

Discrete

Sample Parameters:

[illegible]

Horiba #: DJMUMN2T

Sample ID: 16306-MW-18

Time Collected: 1037

Technician Signature

AS

APPENDIX E

Groundwater Laboratory Analytical Reports



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 09, 2016

Aaron Williams
Environmental Planning Specialists, Inc.
1050 Crown Pointe Parkway
Atlanta GA 30338

TEL: (404) 315-9113
FAX: (404) 315-8509

RE: Grantville Mill

Dear Aaron Williams:

Order No: 1611141

Analytical Environmental Services, Inc. received 21 samples on November 2, 2016 9:56 am for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

- NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
- NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
- NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
- AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

Chris Pafford
Project Manager

Work Order: 161141

Date: 11-1-16 Page 1 of 2

Date: 11-1-16 Page 1 of 2

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water WW = Waste Water W = Water (Blanks) DW = Drinking Water (Blanks) O = Other (specify)
PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None White Copy - Original; Yellow Copy - Client

Page 2 of 55



TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Work Order: 161141

Date: 11-1-16 Page 2 of 2

COMPANY: EPS		ADDRESS: 1050 Crown Pointe Pkwy Ste 550 Atlanta, GA 30338		ANALYSIS REQUESTED												Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.		No # of Containers				
PHONE: 404-315-9113		FAX:		VOCs																		
SAMPLED BY: Joe Terry, Justin Vickary		SIGNATURE: [Signature]		PRESERVATION (See codes)												REMARKS						
#	SAMPLE ID	DATE	TIME	Grab	Composite	Matrix (See codes)																
1	16306-MW-15	11-1-16	0942	X		GW	2											2				
2	16306-MW-17	11-1-16	1550	X		GW	2											2				
3	16306-MW-18	11-1-16	1137	X		GW	2											2				
4	16306-MW-16	11-1-16	1710	X		GW	2											2				
5	16306-MW-5	11-1-16	1700	X		GW	2											2				
6	16306-DUP	11-1-16	1200	X		GW	2											2				
7	16306-Trip Blank	11-1-16	-			W	2											2				
8	16306-TW-1	11-1-16		X		GW	2											2				
9																						
10																						
11																						
12																						
13																						
14																						
RELINQUISHED BY: [Signature]		DATE/TIME: 11-2-16 9:55		RECEIVED BY: [Signature]		DATE/TIME: 11/2/16 9:56 am		PROJECT INFORMATION												RECEIPT		
1: [Signature]				2: [Signature]				PROJECT NAME: Grantville Mill												Total # of Containers		16
2: [Signature]				3: [Signature]				PROJECT #: [Blank]												Turnaround Time Request ☒ Standard 5 Business Days ☐ 2 Business Day Rush ☐ Next Business Day Rush ☐ Same Day Rush (auth req.) ☐ Other [Blank]		14
3: [Signature]								SITE ADDRESS: [Blank]														
SPECIAL INSTRUCTIONS/COMMENTS:				SHIPMENT METHOD:				SEND REPORT TO: awilliams@cupplanning.com														
				OUT / / VIA:				INVOICE TO:														
				IN / / VIA:				(IF DIFFERENT FROM ABOVE)														
				CLIENT: [Signature]		FedEx UPS MAIL COURIER		QUOTE #:												PO#:		
				GREYHOUND OTHER:																		
SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY. IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.																						
SAMPLES ARE DISPOSED OF 30 DAYS AFTER COMPLETION OF REPORT UNLESS OTHER ARRANGEMENTS ARE MADE.																						

PRESERVATIVE CODES: H+I = Hydrochloric acid + ice I = Ice only N = Nitric acid S+I = Sulfuric acid + ice S/M+I = Sodium Bisulfate/Methanol + ice O = Other (specify) NA = None **White Copy - Original; Yellow Copy - Client**

Client: Environmental Planning Specialists, Inc.
Project: Grantville Mill
Lab ID: 1611141

Case Narrative

Volatiles Organic Compounds Analysis by Method 8260B:

Due to sample matrix, samples 1611141-018A, & -020A required dilution during preparation and/or analysis resulting in elevated reporting limits.

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-001

Client Sample ID: 16305-MW-5D
Collection Date: 10/31/2016 10:40:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 09:37	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 09:37	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 09:37	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 09:37	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 09:37	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 09:37	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 09:37	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 09:37	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-001

Client Sample ID: 16305-MW-5D
Collection Date: 10/31/2016 10:40:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 09:37	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 09:37	BN
Surr: 4-Bromofluorobenzene	109	70.7-125		%REC	232482	1	11/08/2016 09:37	BN
Surr: Dibromofluoromethane	113	82.2-120		%REC	232482	1	11/08/2016 09:37	BN
Surr: Toluene-d8	95.2	81.8-120		%REC	232482	1	11/08/2016 09:37	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-002

Client Sample ID: 16305-MW-7
Collection Date: 10/31/2016 10:45:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 12:26	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 12:26	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 12:26	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 12:26	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 12:26	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 12:26	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 12:26	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 12:26	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-002

Client Sample ID: 16305-MW-7
Collection Date: 10/31/2016 10:45:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:26	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 12:26	BN
Surr: 4-Bromofluorobenzene	107	70.7-125		%REC	232482	1	11/08/2016 12:26	BN
Surr: Dibromofluoromethane	113	82.2-120		%REC	232482	1	11/08/2016 12:26	BN
Surr: Toluene-d8	96.7	81.8-120		%REC	232482	1	11/08/2016 12:26	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-003

Client Sample ID: 16305-MW-9
Collection Date: 10/31/2016 12:55:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 10:00	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 10:00	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 10:00	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 10:00	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 10:00	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 10:00	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 10:00	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 10:00	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client:	Environmental Planning Specialists, Inc.	Client Sample ID:	16305-MW-9
Project Name:	Grantville Mill	Collection Date:	10/31/2016 12:55:00 PM
Lab ID:	1611141-003	Matrix:	Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:00	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 10:00	BN
Surr: 4-Bromofluorobenzene	107	70.7-125		%REC	232482	1	11/08/2016 10:00	BN
Surr: Dibromofluoromethane	114	82.2-120		%REC	232482	1	11/08/2016 10:00	BN
Surr: Toluene-d8	94.8	81.8-120		%REC	232482	1	11/08/2016 10:00	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-004

Client Sample ID: 16305-MW-10
Collection Date: 10/31/2016 2:25:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 10:25	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 10:25	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 10:25	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 10:25	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 10:25	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 10:25	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 10:25	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 10:25	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-004

Client Sample ID: 16305-MW-10
Collection Date: 10/31/2016 2:25:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:25	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 10:25	BN
Surr: 4-Bromofluorobenzene	106	70.7-125		%REC	232482	1	11/08/2016 10:25	BN
Surr: Dibromofluoromethane	112	82.2-120		%REC	232482	1	11/08/2016 10:25	BN
Surr: Toluene-d8	94.4	81.8-120		%REC	232482	1	11/08/2016 10:25	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-005

Client Sample ID: 16305-MW-11
Collection Date: 10/31/2016 4:05:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 10:49	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 10:49	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 10:49	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 10:49	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 10:49	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 10:49	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 10:49	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 10:49	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-005

Client Sample ID: 16305-MW-11
Collection Date: 10/31/2016 4:05:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 10:49	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 10:49	BN
Surr: 4-Bromofluorobenzene	108	70.7-125		%REC	232482	1	11/08/2016 10:49	BN
Surr: Dibromofluoromethane	109	82.2-120		%REC	232482	1	11/08/2016 10:49	BN
Surr: Toluene-d8	93	81.8-120		%REC	232482	1	11/08/2016 10:49	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-006

Client Sample ID: 16305-MW-12
Collection Date: 10/31/2016 4:25:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 11:13	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 11:13	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 11:13	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 11:13	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 11:13	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 11:13	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 11:13	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 11:13	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-006

Client Sample ID: 16305-MW-12
Collection Date: 10/31/2016 4:25:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:13	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 11:13	BN
Surr: 4-Bromofluorobenzene	108	70.7-125		%REC	232482	1	11/08/2016 11:13	BN
Surr: Dibromofluoromethane	113	82.2-120		%REC	232482	1	11/08/2016 11:13	BN
Surr: Toluene-d8	95.5	81.8-120		%REC	232482	1	11/08/2016 11:13	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-007

Client Sample ID: 16306-MW-1
Collection Date: 11/1/2016 2:00:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 11:38	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 11:38	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 11:38	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 11:38	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 11:38	BN
Chloroform	20	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 11:38	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 11:38	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 11:38	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-007

Client Sample ID: 16306-MW-1
Collection Date: 11/1/2016 2:00:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 11:38	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 11:38	BN
Surr: 4-Bromofluorobenzene	103	70.7-125		%REC	232482	1	11/08/2016 11:38	BN
Surr: Dibromofluoromethane	112	82.2-120		%REC	232482	1	11/08/2016 11:38	BN
Surr: Toluene-d8	93.2	81.8-120		%REC	232482	1	11/08/2016 11:38	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-008

Client Sample ID: 16306-MW-2
Collection Date: 11/1/2016 12:50:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 12:02	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 12:02	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 12:02	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 12:02	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 12:02	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 12:02	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 12:02	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 12:02	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-008

Client Sample ID: 16306-MW-2
Collection Date: 11/1/2016 12:50:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Tetrachloroethene	28	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Trichlorofluoromethane	32	5.0		ug/L	232482	1	11/08/2016 12:02	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 12:02	BN
Surr: 4-Bromofluorobenzene	110	70.7-125		%REC	232482	1	11/08/2016 12:02	BN
Surr: Dibromofluoromethane	109	82.2-120		%REC	232482	1	11/08/2016 12:02	BN
Surr: Toluene-d8	93	81.8-120		%REC	232482	1	11/08/2016 12:02	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-009

Client Sample ID: 16305-MW-3
Collection Date: 10/31/2016 12:55:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 12:09	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 12:09	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 12:09	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 12:09	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 12:09	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 12:09	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 12:09	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 12:09	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-009

Client Sample ID: 16305-MW-3
Collection Date: 10/31/2016 12:55:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:09	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 12:09	BN
Surr: 4-Bromofluorobenzene	85.5	70.7-125		%REC	232482	1	11/08/2016 12:09	BN
Surr: Dibromofluoromethane	97.6	82.2-120		%REC	232482	1	11/08/2016 12:09	BN
Surr: Toluene-d8	89.4	81.8-120		%REC	232482	1	11/08/2016 12:09	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-010

Client Sample ID: 16305-MW-4
Collection Date: 10/31/2016 2:30:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 12:35	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 12:35	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 12:35	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 12:35	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 12:35	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 12:35	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 12:35	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 12:35	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-010

Client Sample ID: 16305-MW-4
Collection Date: 10/31/2016 2:30:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 12:35	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 12:35	BN
Surr: 4-Bromofluorobenzene	86	70.7-125		%REC	232482	1	11/08/2016 12:35	BN
Surr: Dibromofluoromethane	120	82.2-120		%REC	232482	1	11/08/2016 12:35	BN
Surr: Toluene-d8	104	81.8-120		%REC	232482	1	11/08/2016 12:35	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-011

Client Sample ID: 16306-MW-6
Collection Date: 11/1/2016 3:10:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 14:24	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 14:24	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 14:24	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 14:24	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 14:24	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 14:24	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 14:24	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 14:24	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-011

Client Sample ID: 16306-MW-6
Collection Date: 11/1/2016 3:10:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Tetrachloroethene	1800	250		ug/L	232482	50	11/08/2016 12:19	NP
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:24	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 14:24	BN
Surr: 4-Bromofluorobenzene	80.4	70.7-125		%REC	232482	50	11/08/2016 12:19	NP
Surr: 4-Bromofluorobenzene	84.1	70.7-125		%REC	232482	1	11/08/2016 14:24	BN
Surr: Dibromofluoromethane	104	82.2-120		%REC	232482	50	11/08/2016 12:19	NP
Surr: Dibromofluoromethane	119	82.2-120		%REC	232482	1	11/08/2016 14:24	BN
Surr: Toluene-d8	97.3	81.8-120		%REC	232482	50	11/08/2016 12:19	NP
Surr: Toluene-d8	100	81.8-120		%REC	232482	1	11/08/2016 14:24	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-012

Client Sample ID: 16306-MW-8
Collection Date: 11/1/2016 3:20:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 13:33	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 13:33	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 13:33	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 13:33	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 13:33	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 13:33	BN
cis-1,2-Dichloroethene	200	100		ug/L	232482	50	11/08/2016 12:45	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 13:33	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 13:33	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-012

Client Sample ID: 16306-MW-8
Collection Date: 11/1/2016 3:20:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Tetrachloroethene	6600	250		ug/L	232482	50	11/08/2016 12:45	NP
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Trichloroethene	31	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:33	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 13:33	BN
Surr: 4-Bromofluorobenzene	87.7	70.7-125		%REC	232482	50	11/08/2016 12:45	NP
Surr: 4-Bromofluorobenzene	81.1	70.7-125		%REC	232482	1	11/08/2016 13:33	BN
Surr: Dibromofluoromethane	105	82.2-120		%REC	232482	50	11/08/2016 12:45	NP
Surr: Dibromofluoromethane	93.9	82.2-120		%REC	232482	1	11/08/2016 13:33	BN
Surr: Toluene-d8	96.1	81.8-120		%REC	232482	50	11/08/2016 12:45	NP
Surr: Toluene-d8	88.8	81.8-120		%REC	232482	1	11/08/2016 13:33	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-013

Client Sample ID: 16306-MW-13
Collection Date: 11/1/2016 9:55:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 13:00	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 13:00	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 13:00	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 13:00	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 13:00	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 13:00	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 13:00	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 13:00	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-013

Client Sample ID: 16306-MW-13
Collection Date: 11/1/2016 9:55:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:00	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 13:00	BN
Surr: 4-Bromofluorobenzene	86.2	70.7-125		%REC	232482	1	11/08/2016 13:00	BN
Surr: Dibromofluoromethane	110	82.2-120		%REC	232482	1	11/08/2016 13:00	BN
Surr: Toluene-d8	93.6	81.8-120		%REC	232482	1	11/08/2016 13:00	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-014

Client Sample ID: 16306-MW-14
Collection Date: 11/1/2016 11:25:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 15:14	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 15:14	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 15:14	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 15:14	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 15:14	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 15:14	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 15:14	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 15:14	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-014

Client Sample ID: 16306-MW-14
Collection Date: 11/1/2016 11:25:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Tetrachloroethene	730	250		ug/L	232482	50	11/08/2016 13:37	NP
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 15:14	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 15:14	BN
Surr: 4-Bromofluorobenzene	84.5	70.7-125		%REC	232482	50	11/08/2016 13:37	NP
Surr: 4-Bromofluorobenzene	81.7	70.7-125		%REC	232482	1	11/08/2016 15:14	BN
Surr: Dibromofluoromethane	106	82.2-120		%REC	232482	50	11/08/2016 13:37	NP
Surr: Dibromofluoromethane	107	82.2-120		%REC	232482	1	11/08/2016 15:14	BN
Surr: Toluene-d8	95.8	81.8-120		%REC	232482	50	11/08/2016 13:37	NP
Surr: Toluene-d8	96	81.8-120		%REC	232482	1	11/08/2016 15:14	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-015

Client Sample ID: 16306-MW-15
Collection Date: 11/1/2016 9:42:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 13:21	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 13:21	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 13:21	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 13:21	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 13:21	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 13:21	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 13:21	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 13:21	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-015

Client Sample ID: 16306-MW-15
Collection Date: 11/1/2016 9:42:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:21	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 13:21	BN
Surr: 4-Bromofluorobenzene	107	70.7-125		%REC	232482	1	11/08/2016 13:21	BN
Surr: Dibromofluoromethane	113	82.2-120		%REC	232482	1	11/08/2016 13:21	BN
Surr: Toluene-d8	93.6	81.8-120		%REC	232482	1	11/08/2016 13:21	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-016

Client Sample ID: 16306-MW-17
Collection Date: 11/1/2016 3:50:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 13:58	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 13:58	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 13:58	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 13:58	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 13:58	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 13:58	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 13:58	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 13:58	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-016

Client Sample ID: 16306-MW-17
Collection Date: 11/1/2016 3:50:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Tetrachloroethene	2900	250		ug/L	232482	50	11/08/2016 14:03	NP
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 13:58	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 13:58	BN
Surr: 4-Bromofluorobenzene	81.9	70.7-125		%REC	232482	50	11/08/2016 14:03	NP
Surr: 4-Bromofluorobenzene	84.4	70.7-125		%REC	232482	1	11/08/2016 13:58	BN
Surr: Dibromofluoromethane	113	82.2-120		%REC	232482	50	11/08/2016 14:03	NP
Surr: Dibromofluoromethane	95.9	82.2-120		%REC	232482	1	11/08/2016 13:58	BN
Surr: Toluene-d8	101	81.8-120		%REC	232482	50	11/08/2016 14:03	NP
Surr: Toluene-d8	90.4	81.8-120		%REC	232482	1	11/08/2016 13:58	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-017

Client Sample ID: 16306-MW-18
Collection Date: 11/1/2016 11:37:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 16:12	NP
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 16:12	NP
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 16:12	NP
Acetone	BRL	50		ug/L	232482	1	11/08/2016 16:12	NP
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 16:12	NP
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 16:12	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 16:12	NP
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 16:12	NP
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-017

Client Sample ID: 16306-MW-18
Collection Date: 11/1/2016 11:37:00 AM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Tetrachloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 16:12	NP
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 16:12	NP
Surr: 4-Bromofluorobenzene	89.3	70.7-125		%REC	232482	1	11/08/2016 16:12	NP
Surr: Dibromofluoromethane	109	82.2-120		%REC	232482	1	11/08/2016 16:12	NP
Surr: Toluene-d8	97	81.8-120		%REC	232482	1	11/08/2016 16:12	NP

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-018

Client Sample ID: 16306-MW-16
Collection Date: 11/1/2016 5:10:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,1,2,2-Tetrachloroethane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,1,2-Trichloroethane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,1-Dichloroethane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,1-Dichloroethene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,2,4-Trichlorobenzene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,2-Dibromo-3-chloropropane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,2-Dibromoethane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,2-Dichlorobenzene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,2-Dichloroethane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,2-Dichloropropane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,3-Dichlorobenzene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
1,4-Dichlorobenzene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
2-Butanone	BRL	2500		ug/L	232482	50	11/08/2016 13:44	BN
2-Hexanone	BRL	500		ug/L	232482	50	11/08/2016 13:44	BN
4-Methyl-2-pentanone	BRL	500		ug/L	232482	50	11/08/2016 13:44	BN
Acetone	BRL	2500		ug/L	232482	50	11/08/2016 13:44	BN
Benzene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Bromodichloromethane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Bromoform	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Bromomethane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Carbon disulfide	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Carbon tetrachloride	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Chlorobenzene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Chloroethane	BRL	500		ug/L	232482	50	11/08/2016 13:44	BN
Chloroform	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Chloromethane	BRL	500		ug/L	232482	50	11/08/2016 13:44	BN
cis-1,2-Dichloroethene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
cis-1,3-Dichloropropene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Cyclohexane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Dibromochloromethane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Dichlorodifluoromethane	BRL	500		ug/L	232482	50	11/08/2016 13:44	BN
Ethylbenzene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Freon-113	BRL	500		ug/L	232482	50	11/08/2016 13:44	BN
Isopropylbenzene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
m,p-Xylene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Methyl acetate	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Methyl tert-butyl ether	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Methylcyclohexane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Methylene chloride	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
o-Xylene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-018

Client Sample ID: 16306-MW-16
Collection Date: 11/1/2016 5:10:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Tetrachloroethene	22000	2500		ug/L	232482	500	11/08/2016 14:16	BN
Toluene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
trans-1,2-Dichloroethene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
trans-1,3-Dichloropropene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Trichloroethene	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Trichlorofluoromethane	BRL	250		ug/L	232482	50	11/08/2016 13:44	BN
Vinyl chloride	BRL	100		ug/L	232482	50	11/08/2016 13:44	BN
Surr: 4-Bromofluorobenzene	108	70.7-125		%REC	232482	500	11/08/2016 14:16	BN
Surr: 4-Bromofluorobenzene	109	70.7-125		%REC	232482	50	11/08/2016 13:44	BN
Surr: Dibromofluoromethane	114	82.2-120		%REC	232482	50	11/08/2016 13:44	BN
Surr: Dibromofluoromethane	115	82.2-120		%REC	232482	500	11/08/2016 14:16	BN
Surr: Toluene-d8	95.3	81.8-120		%REC	232482	500	11/08/2016 14:16	BN
Surr: Toluene-d8	95.5	81.8-120		%REC	232482	50	11/08/2016 13:44	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-019

Client Sample ID: 16306-MW-5
Collection Date: 11/1/2016 5:00:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,1-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,1-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,2-Dibromoethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,2-Dichloroethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,2-Dichloropropane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
2-Butanone	BRL	50		ug/L	232482	1	11/08/2016 14:49	BN
2-Hexanone	BRL	10		ug/L	232482	1	11/08/2016 14:49	BN
4-Methyl-2-pentanone	BRL	10		ug/L	232482	1	11/08/2016 14:49	BN
Acetone	BRL	50		ug/L	232482	1	11/08/2016 14:49	BN
Benzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Bromodichloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Bromoform	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Bromomethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Carbon disulfide	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Carbon tetrachloride	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Chlorobenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Chloroethane	BRL	10		ug/L	232482	1	11/08/2016 14:49	BN
Chloroform	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Chloromethane	BRL	10		ug/L	232482	1	11/08/2016 14:49	BN
cis-1,2-Dichloroethene	25	5.0		ug/L	232482	1	11/08/2016 14:49	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Cyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Dibromochloromethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Dichlorodifluoromethane	BRL	10		ug/L	232482	1	11/08/2016 14:49	BN
Ethylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Freon-113	BRL	10		ug/L	232482	1	11/08/2016 14:49	BN
Isopropylbenzene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
m,p-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Methyl acetate	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Methylcyclohexane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Methylene chloride	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
o-Xylene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-019

Client Sample ID: 16306-MW-5
Collection Date: 11/1/2016 5:00:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Tetrachloroethene	3300	250		ug/L	232482	50	11/08/2016 14:55	NP
Toluene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Trichloroethene	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Trichlorofluoromethane	BRL	5.0		ug/L	232482	1	11/08/2016 14:49	BN
Vinyl chloride	BRL	2.0		ug/L	232482	1	11/08/2016 14:49	BN
Surr: 4-Bromofluorobenzene	89.1	70.7-125		%REC	232482	50	11/08/2016 14:55	NP
Surr: 4-Bromofluorobenzene	80.6	70.7-125		%REC	232482	1	11/08/2016 14:49	BN
Surr: Dibromofluoromethane	108	82.2-120		%REC	232482	50	11/08/2016 14:55	NP
Surr: Dibromofluoromethane	104	82.2-120		%REC	232482	1	11/08/2016 14:49	BN
Surr: Toluene-d8	97	81.8-120		%REC	232482	50	11/08/2016 14:55	NP
Surr: Toluene-d8	93.1	81.8-120		%REC	232482	1	11/08/2016 14:49	BN

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-020

Client Sample ID: 16306-DUP
Collection Date: 11/1/2016 12:00:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,1,2,2-Tetrachloroethane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,1,2-Trichloroethane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,1-Dichloroethane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,1-Dichloroethene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,2,4-Trichlorobenzene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,2-Dibromo-3-chloropropane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,2-Dibromoethane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,2-Dichlorobenzene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,2-Dichloroethane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,2-Dichloropropane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,3-Dichlorobenzene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
1,4-Dichlorobenzene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
2-Butanone	BRL	2500		ug/L	232482	50	11/08/2016 15:20	NP
2-Hexanone	BRL	500		ug/L	232482	50	11/08/2016 15:20	NP
4-Methyl-2-pentanone	BRL	500		ug/L	232482	50	11/08/2016 15:20	NP
Acetone	BRL	2500		ug/L	232482	50	11/08/2016 15:20	NP
Benzene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Bromodichloromethane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Bromoform	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Bromomethane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Carbon disulfide	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Carbon tetrachloride	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Chlorobenzene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Chloroethane	BRL	500		ug/L	232482	50	11/08/2016 15:20	NP
Chloroform	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Chloromethane	BRL	500		ug/L	232482	50	11/08/2016 15:20	NP
cis-1,2-Dichloroethene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
cis-1,3-Dichloropropene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Cyclohexane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Dibromochloromethane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Dichlorodifluoromethane	BRL	500		ug/L	232482	50	11/08/2016 15:20	NP
Ethylbenzene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Freon-113	BRL	500		ug/L	232482	50	11/08/2016 15:20	NP
Isopropylbenzene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
m,p-Xylene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Methyl acetate	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Methyl tert-butyl ether	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Methylcyclohexane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Methylene chloride	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
o-Xylene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-020

Client Sample ID: 16306-DUP
Collection Date: 11/1/2016 12:00:00 PM
Matrix: Groundwater

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Tetrachloroethene	21000	2500		ug/L	232482	500	11/08/2016 15:46	NP
Toluene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
trans-1,2-Dichloroethene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
trans-1,3-Dichloropropene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Trichloroethene	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Trichlorofluoromethane	BRL	250		ug/L	232482	50	11/08/2016 15:20	NP
Vinyl chloride	BRL	100		ug/L	232482	50	11/08/2016 15:20	NP
Surr: 4-Bromofluorobenzene	85.2	70.7-125		%REC	232482	50	11/08/2016 15:20	NP
Surr: 4-Bromofluorobenzene	89.9	70.7-125		%REC	232482	500	11/08/2016 15:46	NP
Surr: Dibromofluoromethane	107	82.2-120		%REC	232482	500	11/08/2016 15:46	NP
Surr: Dibromofluoromethane	115	82.2-120		%REC	232482	50	11/08/2016 15:20	NP
Surr: Toluene-d8	96.7	81.8-120		%REC	232482	500	11/08/2016 15:46	NP
Surr: Toluene-d8	98.5	81.8-120		%REC	232482	50	11/08/2016 15:20	NP

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-023

Client Sample ID: 16306-TRIP BLANK
Collection Date: 11/1/2016
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,1,2-Trichloroethane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,1-Dichloroethane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,1-Dichloroethene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,2-Dibromoethane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,2-Dichlorobenzene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,2-Dichloroethane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,2-Dichloropropane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,3-Dichlorobenzene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
1,4-Dichlorobenzene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
2-Butanone	BRL	50		ug/L	232371	1	11/07/2016 18:04	NP
2-Hexanone	BRL	10		ug/L	232371	1	11/07/2016 18:04	NP
4-Methyl-2-pentanone	BRL	10		ug/L	232371	1	11/07/2016 18:04	NP
Acetone	BRL	50		ug/L	232371	1	11/07/2016 18:04	NP
Benzene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Bromodichloromethane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Bromoform	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Bromomethane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Carbon disulfide	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Carbon tetrachloride	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Chlorobenzene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Chloroethane	BRL	10		ug/L	232371	1	11/07/2016 18:04	NP
Chloroform	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Chloromethane	BRL	10		ug/L	232371	1	11/07/2016 18:04	NP
cis-1,2-Dichloroethene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
cis-1,3-Dichloropropene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Cyclohexane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Dibromochloromethane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Dichlorodifluoromethane	BRL	10		ug/L	232371	1	11/07/2016 18:04	NP
Ethylbenzene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Freon-113	BRL	10		ug/L	232371	1	11/07/2016 18:04	NP
Isopropylbenzene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
m,p-Xylene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Methyl acetate	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Methyl tert-butyl ether	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Methylcyclohexane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Methylene chloride	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
o-Xylene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 8-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611141-023

Client Sample ID: 16306-TRIP BLANK
Collection Date: 11/1/2016
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Tetrachloroethene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Toluene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
trans-1,2-Dichloroethene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
trans-1,3-Dichloropropene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Trichloroethene	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Trichlorofluoromethane	BRL	5.0		ug/L	232371	1	11/07/2016 18:04	NP
Vinyl chloride	BRL	2.0		ug/L	232371	1	11/07/2016 18:04	NP
Surr: 4-Bromofluorobenzene	100	70.7-125		%REC	232371	1	11/07/2016 18:04	NP
Surr: Dibromofluoromethane	108	82.2-120		%REC	232371	1	11/07/2016 18:04	NP
Surr: Toluene-d8	102	81.8-120		%REC	232371	1	11/07/2016 18:04	NP

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EPS

Work Order Number 161141

Checklist completed by [Signature] 11/2/16
Signature Date

Carrier name: FedEx ☐ UPS ☐ Courier ☐ Client ☒ US Mail ☐ Other ☐

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

Container/Temp Blank temperature in compliance? ($0^{\circ} \leq 6^{\circ}C$) * Yes ☒ No ☐

Cooler #1 4.2° Cooler #2 ☐ Cooler #3 ☐ Cooler #4 ☐ Cooler #5 ☐ Cooler #6 ☐

Chain of custody present? Yes ☒ No ☐

Chain of custody signed when relinquished and received? Yes ☒ No ☐

Chain of custody agrees with sample labels? Yes ☒ No ☐

Samples in proper container/bottle? Yes ☒ No ☐

Sample containers intact? Yes ☒ No ☐

Sufficient sample volume for indicated test? Yes ☒ No ☐

All samples received within holding time? Yes ☒ No ☐

Was TAT marked on the COC? Yes ☒ No ☐

Proceed with Standard TAT as per project history? Yes ☐ No ☐ Not Applicable ☒

Water - VOA vials have zero headspace? No VOA vials submitted ☐ Yes ☒ No ☐

Water - pH acceptable upon receipt? Yes ☒ No ☐ Not Applicable ☐

Adjusted? ☐ Checked by ☐

Sample Condition: Good ☒ Other(Explain) ☐

(For diffusive samples or AIHA lead) Is a known blank included? Yes ☐ No ☒

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\\Sample Receipt\\My Documents\\COCs and pH Adjustment Sheet\\Sample_Cooler_Receipt_Checklist_Rev1.rtf

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611141

ANALYTICAL QC SUMMARY REPORT**BatchID: 232371**

Sample ID: MB-232371	Client ID:				Units: ug/L	Prep Date: 11/05/2016	Run No: 329163				
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 232371	Analysis Date: 11/05/2016	Seq No: 7151684				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	BRL	5.0
1,1,2,2-Tetrachloroethane	BRL	5.0
1,1,2-Trichloroethane	BRL	5.0
1,1-Dichloroethane	BRL	5.0
1,1-Dichloroethene	BRL	5.0
1,2,4-Trichlorobenzene	BRL	5.0
1,2-Dibromo-3-chloropropane	BRL	5.0
1,2-Dibromoethane	BRL	5.0
1,2-Dichlorobenzene	BRL	5.0
1,2-Dichloroethane	BRL	5.0
1,2-Dichloropropane	BRL	5.0
1,3-Dichlorobenzene	BRL	5.0
1,4-Dichlorobenzene	BRL	5.0
2-Butanone	BRL	50
2-Hexanone	BRL	10
4-Methyl-2-pentanone	BRL	10
Acetone	BRL	50
Benzene	BRL	5.0
Bromodichloromethane	BRL	5.0
Bromoform	BRL	5.0
Bromomethane	BRL	5.0
Carbon disulfide	BRL	5.0
Carbon tetrachloride	BRL	5.0
Chlorobenzene	BRL	5.0
Chloroethane	BRL	10
Chloroform	BRL	5.0
Chloromethane	BRL	10

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611141

ANALYTICAL QC SUMMARY REPORT**BatchID: 232371**

Sample ID: MB-232371	Client ID:					Units: ug/L	Prep Date: 11/05/2016		Run No: 329163		
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS	SW8260B				BatchID: 232371	Analysis Date: 11/05/2016		Seq No: 7151684		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	49.12	0	50.00		98.2	70.7	125				
Surr: Dibromofluoromethane	53.22	0	50.00		106	82.2	120				
Surr: Toluene-d8	50.13	0	50.00		100	81.8	120				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611141

ANALYTICAL QC SUMMARY REPORT**BatchID: 232371**

Sample ID: LCS-232371	Client ID:					Units: ug/L	Prep Date: 11/05/2016	Run No: 329163			
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 232371	Analysis Date: 11/05/2016	Seq No: 7151681			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	67.53	5.0	50.00		135	65.3	137				
Benzene	59.50	5.0	50.00		119	74.9	123				
Chlorobenzene	51.72	5.0	50.00		103	73.9	124				
Toluene	61.82	5.0	50.00		124	75	124				
Trichloroethene	54.51	5.0	50.00		109	73.1	128				
Surr: 4-Bromofluorobenzene	50.67	0	50.00		101	70.7	125				
Surr: Dibromofluoromethane	51.86	0	50.00		104	82.2	120				
Surr: Toluene-d8	49.75	0	50.00		99.5	81.8	120				

Sample ID: 1611343-021AMS	Client ID:				Units: ug/L	Prep Date: 11/05/2016	Run No: 329163				
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 232371	Analysis Date: 11/05/2016	Seq No: 7151691				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	69.29	5.0	50.00		139	60	150				
Benzene	56.72	5.0	50.00		113	70.1	132				
Chlorobenzene	47.42	5.0	50.00		94.8	70.9	131				
Toluene	59.53	5.0	50.00		119	70.1	133				
Trichloroethene	52.25	5.0	50.00		104	70	136				
Surr: 4-Bromofluorobenzene	49.69	0	50.00		99.4	70.7	125				
Surr: Dibromofluoromethane	51.58	0	50.00		103	82.2	120				
Surr: Toluene-d8	49.95	0	50.00		99.9	81.8	120				

Sample ID: 1611343-021AMSD	Client ID:				Units: ug/L	Prep Date: 11/05/2016	Run No: 329163				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 232371	Analysis Date: 11/05/2016	Seq No: 7151692				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	68.70	5.0	50.00		137	60	150	69.29	0.855	17.7	
Benzene	55.63	5.0	50.00		111	70.1	132	56.72	1.94	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611141

ANALYTICAL QC SUMMARY REPORT

BatchID: 232371

Sample ID: 1611343-021AMSD	Client ID:					Units: ug/L	Prep Date: 11/05/2016	Run No: 329163			
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 232371	Analysis Date: 11/05/2016	Seq No: 7151692			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	46.84	5.0	50.00		93.7	70.9	131	47.42	1.23	20	
Toluene	58.37	5.0	50.00		117	70.1	133	59.53	1.97	20	
Trichloroethene	50.93	5.0	50.00		102	70	136	52.25	2.56	20	
Surr: 4-Bromofluorobenzene	48.98	0	50.00		98.0	70.7	125	49.69	0	0	
Surr: Dibromofluoromethane	51.03	0	50.00		102	82.2	120	51.58	0	0	
Surr: Toluene-d8	49.43	0	50.00		98.9	81.8	120	49.95	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611141

ANALYTICAL QC SUMMARY REPORT**BatchID: 232482**

Sample ID: MB-232482	Client ID:					Units: ug/L	Prep Date: 11/07/2016		Run No: 329217		
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 232482	Analysis Date: 11/07/2016		Seq No: 7148984		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	5.0									
1,1,2,2-Tetrachloroethane	BRL	5.0									
1,1,2-Trichloroethane	BRL	5.0									
1,1-Dichloroethane	BRL	5.0									
1,1-Dichloroethene	BRL	5.0									
1,2,4-Trichlorobenzene	BRL	5.0									
1,2-Dibromo-3-chloropropane	BRL	5.0									
1,2-Dibromoethane	BRL	5.0									
1,2-Dichlorobenzene	BRL	5.0									
1,2-Dichloroethane	BRL	5.0									
1,2-Dichloropropane	BRL	5.0									
1,3-Dichlorobenzene	BRL	5.0									
1,4-Dichlorobenzene	BRL	5.0									
2-Butanone	BRL	50									
2-Hexanone	BRL	10									
4-Methyl-2-pentanone	BRL	10									
Acetone	BRL	50									
Benzene	BRL	5.0									
Bromodichloromethane	BRL	5.0									
Bromoform	BRL	5.0									
Bromomethane	BRL	5.0									
Carbon disulfide	BRL	5.0									
Carbon tetrachloride	BRL	5.0									
Chlorobenzene	BRL	5.0									
Chloroethane	BRL	10									
Chloroform	BRL	5.0									
Chloromethane	BRL	10									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611141

ANALYTICAL QC SUMMARY REPORT**BatchID: 232482**

Sample ID: MB-232482	Client ID:				Units: ug/L			Prep Date: 11/07/2016	Run No: 329217		
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS	SW8260B			BatchID: 232482			Analysis Date: 11/07/2016	Seq No: 7148984		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	44.62	0	50.00		89.2	70.7	125				
Surr: Dibromofluoromethane	53.58	0	50.00		107	82.2	120				
Surr: Toluene-d8	50.58	0	50.00		101	81.8	120				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611141

ANALYTICAL QC SUMMARY REPORT**BatchID: 232482**

Sample ID: LCS-232482	Client ID:				Units: ug/L	Prep Date: 11/07/2016	Run No: 329298				
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 232482	Analysis Date: 11/08/2016	Seq No: 7151477				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	59.11	5.0	50.00		118	65.3	137				
Benzene	50.26	5.0	50.00		101	74.9	123				
Chlorobenzene	51.17	5.0	50.00		102	73.9	124				
Toluene	53.75	5.0	50.00		108	75	124				
Trichloroethene	52.95	5.0	50.00		106	73.1	128				
Surr: 4-Bromofluorobenzene	44.09	0	50.00		88.2	70.7	125				
Surr: Dibromofluoromethane	48.41	0	50.00		96.8	82.2	120				
Surr: Toluene-d8	47.32	0	50.00		94.6	81.8	120				

Sample ID: 1611141-008AMS	Client ID: 16306-MW-2	Units: ug/L			Prep Date: 11/07/2016	Run No: 329217					
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 232482			Analysis Date: 11/07/2016	Seq No: 7151092					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	5702	500	5000		114	60	150				
Benzene	5340	500	5000		107	70.1	132				
Chlorobenzene	5187	500	5000		104	70.9	131				
Toluene	5578	500	5000		112	70.1	133				
Trichloroethene	5212	500	5000		104	70	136				
Surr: 4-Bromofluorobenzene	4236	0	5000		84.7	70.7	125				
Surr: Dibromofluoromethane	5017	0	5000		100	82.2	120				
Surr: Toluene-d8	4790	0	5000		95.8	81.8	120				

Sample ID: 1611141-008AMSD	Client ID: 16306-MW-2	Units: ug/L			Prep Date: 11/07/2016	Run No: 329217					
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 232482			Analysis Date: 11/07/2016	Seq No: 7151093					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	5223	500	5000		104	60	150	5702	8.77	17.7	
Benzene	4889	500	5000		97.8	70.1	132	5340	8.82	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611141

ANALYTICAL QC SUMMARY REPORT

BatchID: 232482

Sample ID: 1611141-008AMSD		Client ID: 16306-MW-2				Units: ug/L		Prep Date: 11/07/2016		Run No: 329217	
SampleType: MSD		TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 232482		Analysis Date: 11/07/2016		Seq No: 7151093	
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Chlorobenzene	5172	500	5000		103	70.9	131	5187	0.290	20	
Toluene	5189	500	5000		104	70.1	133	5578	7.23	20	
Trichloroethene	4988	500	5000		99.8	70	136	5212	4.39	20	
Surr: 4-Bromofluorobenzene	4374	0	5000		87.5	70.7	125	4236	0	0	
Surr: Dibromofluoromethane	4730	0	5000		94.6	82.2	120	5017	0	0	
Surr: Toluene-d8	4535	0	5000		90.7	81.8	120	4790	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

November 30, 2016

Aaron Williams
Environmental Planning Specialists, Inc.
1050 Crown Pointe Parkway
Atlanta GA 30338

TEL: (404) 315-9113
FAX: (404) 315-8509

RE: Grantville Mill

Dear Aaron Williams:

Order No: 1611J98

Analytical Environmental Services, Inc. received 5 samples on 11/21/2016 1:00:00 PM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

- NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
- NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
- NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
- AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

Chris Pafford
Project Manager



TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

Work Order: 1611598

Date: 11/2/16 Page 1 of 1

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Client: Environmental Planning Specialists, Inc.
Project: Grantville Mill
Lab ID: 1611J98

Case Narrative

Semi-Volatile Organics Analysis by Method 8270D:

Due to sample matrix, sample 1611 J98-001C, -002C and -003C required dilution during preparation and/or analysis resulting in elevated reporting limits.

Volatiles Organic Compounds Analysis by Method 8260B:

Due to sample matrix, samples 1611J98-001A, -002A, & -003A required dilution during preparation and/or analysis resulting in elevated reporting limits. Samples were ran twice and poorly purged both times.

Acetone value for sample 1611J98-004A is "E" qualified indicating an estimated value over linear calibration range. Sample was diluted and reanalyzed using the supplied methanol preserved sample at the minimum dilution allowed resulting in analytes being below reporting limits.

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-001

Client Sample ID: 16326-S1-0.5
Collection Date: 11/21/2016 10:10:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B		(SW7471B)						
Mercury	0.220	0.135		mg/Kg-dry	233553	1	11/25/2016 15:16	JR
TCL-SEMIVOLATILE ORGANICS SW8270D		(SW3550C)						
1,1'-Biphenyl	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2,4,5-Trichlorophenol	BRL	250000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2,4,6-Trichlorophenol	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2,4-Dichlorophenol	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2,4-Dimethylphenol	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2,4-Dinitrophenol	BRL	250000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2,4-Dinitrotoluene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2,6-Dinitrotoluene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2-Chloronaphthalene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2-Chlorophenol	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2-Methylnaphthalene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2-Methylphenol	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2-Nitroaniline	BRL	250000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
2-Nitrophenol	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
3,3'-Dichlorobenzidine	BRL	99000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
3-Nitroaniline	BRL	250000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
4,6-Dinitro-2-methylphenol	BRL	250000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
4-Bromophenyl phenyl ether	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
4-Chloro-3-methylphenol	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
4-Chloroaniline	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
4-Chlorophenyl phenyl ether	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
4-Methylphenol	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
4-Nitroaniline	BRL	250000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
4-Nitrophenol	BRL	250000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Acenaphthene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Acenaphthylene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Acetophenone	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Anthracene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Atrazine	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Benz(a)anthracene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Benzaldehyde	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Benzo(a)pyrene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Benzo(b)fluoranthene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Benzo(g,h,i)perylene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Benzo(k)fluoranthene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Bis(2-chloroethoxy)methane	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Bis(2-chloroethyl)ether	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Bis(2-chloroisopropyl)ether	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-001

Client Sample ID: 16326-S1-0.5
Collection Date: 11/21/2016 10:10:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D		(SW3550C)						
Bis(2-ethylhexyl)phthalate	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Butyl benzyl phthalate	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Caprolactam	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Carbazole	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Chrysene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Di-n-butyl phthalate	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Di-n-octyl phthalate	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Dibenz(a,h)anthracene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Dibenzofuran	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Diethyl phthalate	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Dimethyl phthalate	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Fluoranthene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Fluorene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Hexachlorobenzene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Hexachlorobutadiene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Hexachlorocyclopentadiene	BRL	97000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Hexachloroethane	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Indeno(1,2,3-cd)pyrene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Isophorone	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
N-Nitrosodi-n-propylamine	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
N-Nitrosodiphenylamine	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Naphthalene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Nitrobenzene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Pentachlorophenol	BRL	250000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Phenanthrene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Phenol	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Pyrene	BRL	49000		ug/Kg-dry	233524	10	11/23/2016 22:50	EI
Surr: 2,4,6-Tribromophenol	76	42.4-130		%REC	233524	10	11/23/2016 22:50	EI
Surr: 2-Fluorobiphenyl	76	51.5-120		%REC	233524	10	11/23/2016 22:50	EI
Surr: 2-Fluorophenol	57	41.1-120		%REC	233524	10	11/23/2016 22:50	EI
Surr: 4-Terphenyl-d14	98	52.7-117		%REC	233524	10	11/23/2016 22:50	EI
Surr: Nitrobenzene-d5	68	41.4-120		%REC	233524	10	11/23/2016 22:50	EI
Surr: Phenol-d5	60	47.6-120		%REC	233524	10	11/23/2016 22:50	EI
TCL VOLATILE ORGANICS SW8260B		(SW5035)						
1,1,1-Trichloroethane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,1,2,2-Tetrachloroethane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,1,2-Trichloroethane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,1-Dichloroethane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,1-Dichloroethene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,2,4-Trichlorobenzene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-001

Client Sample ID: 16326-S1-0.5
Collection Date: 11/21/2016 10:10:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
1,2-Dibromo-3-chloropropane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,2-Dibromoethane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,2-Dichlorobenzene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,2-Dichloroethane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,2-Dichloropropane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,3-Dichlorobenzene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
1,4-Dichlorobenzene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
2-Butanone	BRL	2900		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
2-Hexanone	980	570		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
4-Methyl-2-pentanone	1800	570		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Acetone	BRL	5700		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Benzene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Bromodichloromethane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Bromoform	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Bromomethane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Carbon disulfide	BRL	570		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Carbon tetrachloride	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Chlorobenzene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Chloroethane	BRL	570		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Chloroform	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Chloromethane	BRL	570		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
cis-1,2-Dichloroethene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
cis-1,3-Dichloropropene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Cyclohexane	2000	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Dibromochloromethane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Dichlorodifluoromethane	BRL	570		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Ethylbenzene	530	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Freon-113	BRL	570		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Isopropylbenzene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
m,p-Xylene	3800	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Methyl acetate	900	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Methyl tert-butyl ether	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Methylcyclohexane	7600	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Methylene chloride	BRL	1100		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
o-Xylene	2400	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Styrene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Tetrachloroethene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Toluene	2700	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
trans-1,2-Dichloroethene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
trans-1,3-Dichloropropene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Trichloroethene	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-001

Client Sample ID: 16326-S1-0.5
Collection Date: 11/21/2016 10:10:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
Trichlorofluoromethane	BRL	290		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Vinyl chloride	BRL	570		ug/Kg-dry	233855	50	11/29/2016 17:12	MD
Surr: 4-Bromofluorobenzene	102	70-128		%REC	233855	50	11/29/2016 17:12	MD
Surr: Dibromofluoromethane	90.9	78.2-128		%REC	233855	50	11/29/2016 17:12	MD
Surr: Toluene-d8	100	76.5-116		%REC	233855	50	11/29/2016 17:12	MD
METALS, TOTAL SW6010D				(SW3050B)				
Arsenic	95.5	4.93		mg/Kg-dry	233372	1	11/28/2016 17:08	IO
Barium	245	4.93		mg/Kg-dry	233372	1	11/28/2016 17:08	IO
Cadmium	6.15	2.47		mg/Kg-dry	233372	1	11/28/2016 17:08	IO
Chromium	15.7	2.47		mg/Kg-dry	233372	1	11/28/2016 17:08	IO
Lead	1130	4.93		mg/Kg-dry	233372	1	11/28/2016 17:08	IO
Selenium	BRL	4.93		mg/Kg-dry	233372	1	11/28/2016 17:08	IO
Silver	BRL	2.47		mg/Kg-dry	233372	1	11/28/2016 17:08	IO
PERCENT MOISTURE D2216								
Percent Moisture	32.1	0		wt%	R330825	1	11/28/2016 09:00	BD

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
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 N Analyte not NELAC certified
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E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-002

Client Sample ID: 16326-S1-1
Collection Date: 11/21/2016 10:15:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B					(SW7471B)			
Mercury	BRL	0.0981		mg/Kg-dry	233553	1	11/25/2016 15:18	JR
TCL-SEMIVOLATILE ORGANICS SW8270D					(SW3550C)			
1,1'-Biphenyl	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2,4,5-Trichlorophenol	BRL	19000		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2,4,6-Trichlorophenol	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2,4-Dichlorophenol	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2,4-Dimethylphenol	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2,4-Dinitrophenol	BRL	19000		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2,4-Dinitrotoluene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2,6-Dinitrotoluene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2-Chloronaphthalene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2-Chlorophenol	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2-Methylnaphthalene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2-Methylphenol	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2-Nitroaniline	BRL	19000		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
2-Nitrophenol	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
3,3'-Dichlorobenzidine	BRL	7500		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
3-Nitroaniline	BRL	19000		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
4,6-Dinitro-2-methylphenol	BRL	19000		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
4-Bromophenyl phenyl ether	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
4-Chloro-3-methylphenol	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
4-Chloroaniline	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
4-Chlorophenyl phenyl ether	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
4-Methylphenol	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
4-Nitroaniline	BRL	19000		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
4-Nitrophenol	BRL	19000		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Acenaphthene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Acenaphthylene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Acetophenone	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Anthracene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Atrazine	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Benz(a)anthracene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Benzaldehyde	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Benzo(a)pyrene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Benzo(b)fluoranthene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Benzo(g,h,i)perylene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Benzo(k)fluoranthene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Bis(2-chloroethoxy)methane	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Bis(2-chloroethyl)ether	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Bis(2-chloroisopropyl)ether	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
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E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-002

Client Sample ID: 16326-S1-1
Collection Date: 11/21/2016 10:15:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D		(SW3550C)						
Bis(2-ethylhexyl)phthalate	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Butyl benzyl phthalate	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Caprolactam	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Carbazole	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Chrysene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Di-n-butyl phthalate	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Di-n-octyl phthalate	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Dibenz(a,h)anthracene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Dibenzofuran	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Diethyl phthalate	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Dimethyl phthalate	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Fluoranthene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Fluorene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Hexachlorobenzene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Hexachlorobutadiene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Hexachlorocyclopentadiene	BRL	7400		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Hexachloroethane	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Indeno(1,2,3-cd)pyrene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Isophorone	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
N-Nitrosodi-n-propylamine	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
N-Nitrosodiphenylamine	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Naphthalene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Nitrobenzene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Pentachlorophenol	BRL	19000		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Phenanthrene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Phenol	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Pyrene	BRL	3700		ug/Kg-dry	233524	10	11/23/2016 22:24	EI
Surr: 2,4,6-Tribromophenol	67.7	42.4-130		%REC	233524	10	11/23/2016 22:24	EI
Surr: 2-Fluorobiphenyl	64	51.5-120		%REC	233524	10	11/23/2016 22:24	EI
Surr: 2-Fluorophenol	59.6	41.1-120		%REC	233524	10	11/23/2016 22:24	EI
Surr: 4-Terphenyl-d14	74	52.7-117		%REC	233524	10	11/23/2016 22:24	EI
Surr: Nitrobenzene-d5	59.2	41.4-120		%REC	233524	10	11/23/2016 22:24	EI
Surr: Phenol-d5	59.5	47.6-120		%REC	233524	10	11/23/2016 22:24	EI
TCL VOLATILE ORGANICS SW8260B		(SW5035)						
1,1,1-Trichloroethane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,1,2,2-Tetrachloroethane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,1,2-Trichloroethane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,1-Dichloroethane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,1-Dichloroethene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,2,4-Trichlorobenzene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
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- Narr See case narrative
- NC Not confirmed
- < Less than Result value
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Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-002

Client Sample ID: 16326-S1-1
Collection Date: 11/21/2016 10:15:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
1,2-Dibromo-3-chloropropane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,2-Dibromoethane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,2-Dichlorobenzene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,2-Dichloroethane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,2-Dichloropropane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,3-Dichlorobenzene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
1,4-Dichlorobenzene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
2-Butanone	BRL	1300		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
2-Hexanone	BRL	270		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
4-Methyl-2-pentanone	BRL	270		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Acetone	BRL	2700		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Benzene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Bromodichloromethane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Bromoform	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Bromomethane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Carbon disulfide	BRL	270		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Carbon tetrachloride	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Chlorobenzene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Chloroethane	BRL	270		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Chloroform	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Chloromethane	BRL	270		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
cis-1,2-Dichloroethene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
cis-1,3-Dichloropropene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Cyclohexane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Dibromochloromethane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Dichlorodifluoromethane	BRL	270		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Ethylbenzene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Freon-113	BRL	270		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Isopropylbenzene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
m,p-Xylene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Methyl acetate	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Methyl tert-butyl ether	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Methylcyclohexane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Methylene chloride	BRL	530		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
o-Xylene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Styrene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Tetrachloroethene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Toluene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
trans-1,2-Dichloroethene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
trans-1,3-Dichloropropene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Trichloroethene	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-002

Client Sample ID: 16326-S1-1
Collection Date: 11/21/2016 10:15:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
Trichlorofluoromethane	BRL	130		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Vinyl chloride	BRL	270		ug/Kg-dry	233855	50	11/29/2016 17:36	MD
Surr: 4-Bromofluorobenzene	100	70-128		%REC	233855	50	11/29/2016 17:36	MD
Surr: Dibromofluoromethane	91.2	78.2-128		%REC	233855	50	11/29/2016 17:36	MD
Surr: Toluene-d8	101	76.5-116		%REC	233855	50	11/29/2016 17:36	MD
METALS, TOTAL SW6010D				(SW3050B)				
Arsenic	BRL	3.57		mg/Kg-dry	233372	1	11/28/2016 17:12	IO
Barium	36.8	3.57		mg/Kg-dry	233372	1	11/28/2016 17:12	IO
Cadmium	BRL	1.78		mg/Kg-dry	233372	1	11/28/2016 17:12	IO
Chromium	41.8	1.78		mg/Kg-dry	233372	1	11/28/2016 17:12	IO
Lead	15.8	3.57		mg/Kg-dry	233372	1	11/28/2016 17:12	IO
Selenium	BRL	3.57		mg/Kg-dry	233372	1	11/28/2016 17:12	IO
Silver	BRL	1.78		mg/Kg-dry	233372	1	11/28/2016 17:12	IO
PERCENT MOISTURE D2216								
Percent Moisture	10.8	0		wt%	R330825	1	11/28/2016 09:00	BD

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-003

Client Sample ID: 16326-S2-0.5
Collection Date: 11/21/2016 10:27:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B		(SW7471B)						
Mercury	0.0934	0.0913		mg/Kg-dry	233553	1	11/25/2016 15:25	JR
TCL-SEMIVOLATILE ORGANICS SW8270D		(SW3550C)						
1,1'-Biphenyl	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2,4,5-Trichlorophenol	BRL	180000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2,4,6-Trichlorophenol	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2,4-Dichlorophenol	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2,4-Dimethylphenol	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2,4-Dinitrophenol	BRL	180000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2,4-Dinitrotoluene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2,6-Dinitrotoluene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2-Chloronaphthalene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2-Chlorophenol	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2-Methylnaphthalene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2-Methylphenol	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2-Nitroaniline	BRL	180000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
2-Nitrophenol	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
3,3'-Dichlorobenzidine	BRL	72000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
3-Nitroaniline	BRL	180000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
4,6-Dinitro-2-methylphenol	BRL	180000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
4-Bromophenyl phenyl ether	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
4-Chloro-3-methylphenol	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
4-Chloroaniline	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
4-Chlorophenyl phenyl ether	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
4-Methylphenol	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
4-Nitroaniline	BRL	180000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
4-Nitrophenol	BRL	180000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Acenaphthene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Acenaphthylene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Acetophenone	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Anthracene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Atrazine	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Benz(a)anthracene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Benzaldehyde	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Benzo(a)pyrene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Benzo(b)fluoranthene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Benzo(g,h,i)perylene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Benzo(k)fluoranthene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Bis(2-chloroethoxy)methane	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Bis(2-chloroethyl)ether	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Bis(2-chloroisopropyl)ether	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-003

Client Sample ID: 16326-S2-0.5
Collection Date: 11/21/2016 10:27:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D		(SW3550C)						
Bis(2-ethylhexyl)phthalate	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Butyl benzyl phthalate	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Caprolactam	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Carbazole	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Chrysene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Di-n-butyl phthalate	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Di-n-octyl phthalate	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Dibenz(a,h)anthracene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Dibenzofuran	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Diethyl phthalate	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Dimethyl phthalate	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Fluoranthene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Fluorene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Hexachlorobenzene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Hexachlorobutadiene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Hexachlorocyclopentadiene	BRL	71000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Hexachloroethane	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Indeno(1,2,3-cd)pyrene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Isophorone	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
N-Nitrosodi-n-propylamine	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
N-Nitrosodiphenylamine	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Naphthalene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Nitrobenzene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Pentachlorophenol	BRL	180000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Phenanthrene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Phenol	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Pyrene	BRL	35000		ug/Kg-dry	233524	10	11/23/2016 23:16	EI
Surr: 2,4,6-Tribromophenol	71	42.4-130		%REC	233524	10	11/23/2016 23:16	EI
Surr: 2-Fluorobiphenyl	80	51.5-120		%REC	233524	10	11/23/2016 23:16	EI
Surr: 2-Fluorophenol	59	41.1-120		%REC	233524	10	11/23/2016 23:16	EI
Surr: 4-Terphenyl-d14	120	52.7-117	S	%REC	233524	10	11/23/2016 23:16	EI
Surr: Nitrobenzene-d5	72	41.4-120		%REC	233524	10	11/23/2016 23:16	EI
Surr: Phenol-d5	69	47.6-120		%REC	233524	10	11/23/2016 23:16	EI
TCL VOLATILE ORGANICS SW8260B		(SW5035)						
1,1,1-Trichloroethane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,1,2,2-Tetrachloroethane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,1,2-Trichloroethane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,1-Dichloroethane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,1-Dichloroethene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,2,4-Trichlorobenzene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-003

Client Sample ID: 16326-S2-0.5
Collection Date: 11/21/2016 10:27:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
1,2-Dibromo-3-chloropropane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,2-Dibromoethane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,2-Dichlorobenzene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,2-Dichloroethane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,2-Dichloropropane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,3-Dichlorobenzene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
1,4-Dichlorobenzene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
2-Butanone	BRL	1800		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
2-Hexanone	BRL	370		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
4-Methyl-2-pentanone	BRL	370		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Acetone	BRL	3700		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Benzene	970	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Bromodichloromethane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Bromoform	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Bromomethane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Carbon disulfide	BRL	370		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Carbon tetrachloride	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Chlorobenzene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Chloroethane	BRL	370		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Chloroform	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Chloromethane	BRL	370		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
cis-1,2-Dichloroethene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
cis-1,3-Dichloropropene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Cyclohexane	1700	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Dibromochloromethane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Dichlorodifluoromethane	BRL	370		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Ethylbenzene	610	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Freon-113	BRL	370		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Isopropylbenzene	240	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
m,p-Xylene	4400	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Methyl acetate	880	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Methyl tert-butyl ether	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Methylcyclohexane	6600	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Methylene chloride	BRL	740		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
o-Xylene	2400	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Styrene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Tetrachloroethene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Toluene	6100	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
trans-1,2-Dichloroethene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
trans-1,3-Dichloropropene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Trichloroethene	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-003

Client Sample ID: 16326-S2-0.5
Collection Date: 11/21/2016 10:27:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
Trichlorofluoromethane	BRL	180		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Vinyl chloride	BRL	370		ug/Kg-dry	233855	50	11/29/2016 18:00	MD
Surr: 4-Bromofluorobenzene	103	70-128		%REC	233855	50	11/29/2016 18:00	MD
Surr: Dibromofluoromethane	91.6	78.2-128		%REC	233855	50	11/29/2016 18:00	MD
Surr: Toluene-d8	103	76.5-116		%REC	233855	50	11/29/2016 18:00	MD
METALS, TOTAL SW6010D				(SW3050B)				
Arsenic	9.47	5.00		mg/Kg-dry	233372	1	11/28/2016 17:31	IO
Barium	103	5.00		mg/Kg-dry	233372	1	11/28/2016 17:31	IO
Cadmium	BRL	2.50		mg/Kg-dry	233372	1	11/28/2016 17:31	IO
Chromium	8.91	2.50		mg/Kg-dry	233372	1	11/28/2016 17:31	IO
Lead	126	5.00		mg/Kg-dry	233372	1	11/28/2016 17:31	IO
Selenium	BRL	5.00		mg/Kg-dry	233372	1	11/28/2016 17:31	IO
Silver	BRL	2.50		mg/Kg-dry	233372	1	11/28/2016 17:31	IO
PERCENT MOISTURE D2216								
Percent Moisture	6.54	0		wt%	R330825	1	11/28/2016 09:00	BD

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-004

Client Sample ID: 16326-S2-1
Collection Date: 11/21/2016 10:35:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TOTAL MERCURY SW7471B					(SW7471B)			
Mercury	BRL	0.130		mg/Kg-dry	233553	1	11/25/2016 14:52	JR
TCL-SEMIVOLATILE ORGANICS SW8270D					(SW3550C)			
1,1'-Biphenyl	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2,4,5-Trichlorophenol	BRL	2300		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2,4,6-Trichlorophenol	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2,4-Dichlorophenol	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2,4-Dimethylphenol	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2,4-Dinitrophenol	BRL	2300		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2,4-Dinitrotoluene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2,6-Dinitrotoluene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2-Chloronaphthalene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2-Chlorophenol	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2-Methylnaphthalene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2-Methylphenol	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2-Nitroaniline	BRL	2300		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
2-Nitrophenol	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
3,3'-Dichlorobenzidine	BRL	930		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
3-Nitroaniline	BRL	2300		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
4,6-Dinitro-2-methylphenol	BRL	2300		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
4-Bromophenyl phenyl ether	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
4-Chloro-3-methylphenol	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
4-Chloroaniline	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
4-Chlorophenyl phenyl ether	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
4-Methylphenol	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
4-Nitroaniline	BRL	2300		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
4-Nitrophenol	BRL	2300		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Acenaphthene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Acenaphthylene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Acetophenone	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Anthracene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Atrazine	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Benz(a)anthracene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Benzaldehyde	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Benzo(a)pyrene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Benzo(b)fluoranthene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Benzo(g,h,i)perylene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Benzo(k)fluoranthene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Bis(2-chloroethoxy)methane	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Bis(2-chloroethyl)ether	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Bis(2-chloroisopropyl)ether	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc

Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-004

Client Sample ID: 16326-S2-1
Collection Date: 11/21/2016 10:35:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL-SEMIVOLATILE ORGANICS SW8270D		(SW3550C)						
Bis(2-ethylhexyl)phthalate	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Butyl benzyl phthalate	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Caprolactam	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Carbazole	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Chrysene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Di-n-butyl phthalate	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Di-n-octyl phthalate	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Dibenz(a,h)anthracene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Dibenzofuran	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Diethyl phthalate	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Dimethyl phthalate	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Fluoranthene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Fluorene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Hexachlorobenzene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Hexachlorobutadiene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Hexachlorocyclopentadiene	BRL	910		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Hexachloroethane	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Indeno(1,2,3-cd)pyrene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Isophorone	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
N-Nitrosodi-n-propylamine	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
N-Nitrosodiphenylamine	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Naphthalene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Nitrobenzene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Pentachlorophenol	BRL	2300		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Phenanthrene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Phenol	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Pyrene	BRL	460		ug/Kg-dry	233596	1	11/25/2016 13:34	EI
Surr: 2,4,6-Tribromophenol	72.9	42.4-130		%REC	233596	1	11/25/2016 13:34	EI
Surr: 2-Fluorobiphenyl	63.5	51.5-120		%REC	233596	1	11/25/2016 13:34	EI
Surr: 2-Fluorophenol	62	41.1-120		%REC	233596	1	11/25/2016 13:34	EI
Surr: 4-Terphenyl-d14	71.2	52.7-117		%REC	233596	1	11/25/2016 13:34	EI
Surr: Nitrobenzene-d5	64.2	41.4-120		%REC	233596	1	11/25/2016 13:34	EI
Surr: Phenol-d5	63.8	47.6-120		%REC	233596	1	11/25/2016 13:34	EI
TCL VOLATILE ORGANICS SW8260B		(SW5035)						
1,1,1-Trichloroethane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,1,2,2-Tetrachloroethane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,1,2-Trichloroethane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,1-Dichloroethane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,1-Dichloroethene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,2,4-Trichlorobenzene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-004

Client Sample ID: 16326-S2-1
Collection Date: 11/21/2016 10:35:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
1,2-Dibromo-3-chloropropane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,2-Dibromoethane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,2-Dichlorobenzene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,2-Dichloroethane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,2-Dichloropropane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,3-Dichlorobenzene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
1,4-Dichlorobenzene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
2-Butanone	34	32		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
2-Hexanone	BRL	6.4		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
4-Methyl-2-pentanone	BRL	6.4		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Acetone	280	64	E	ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Benzene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Bromodichloromethane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Bromoform	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Bromomethane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Carbon disulfide	BRL	6.4		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Carbon tetrachloride	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Chlorobenzene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Chloroethane	BRL	6.4		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Chloroform	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Chloromethane	BRL	6.4		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
cis-1,2-Dichloroethene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
cis-1,3-Dichloropropene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Cyclohexane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Dibromochloromethane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Dichlorodifluoromethane	BRL	6.4		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Ethylbenzene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Freon-113	BRL	6.4		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Isopropylbenzene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
m,p-Xylene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Methyl acetate	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Methyl tert-butyl ether	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Methylcyclohexane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Methylene chloride	BRL	13		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
o-Xylene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Styrene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Tetrachloroethene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Toluene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
trans-1,2-Dichloroethene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
trans-1,3-Dichloropropene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Trichloroethene	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-004

Client Sample ID: 16326-S2-1
Collection Date: 11/21/2016 10:35:00 AM
Matrix: Soil

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5035)				
Trichlorofluoromethane	BRL	3.2		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Vinyl chloride	BRL	6.4		ug/Kg-dry	233802	1	11/28/2016 15:37	MD
Surr: 4-Bromofluorobenzene	92.7	70-128		%REC	233802	1	11/28/2016 15:37	MD
Surr: Dibromofluoromethane	104	78.2-128		%REC	233802	1	11/28/2016 15:37	MD
Surr: Toluene-d8	91.9	76.5-116		%REC	233802	1	11/28/2016 15:37	MD
METALS, TOTAL SW6010D				(SW3050B)				
Arsenic	BRL	4.92		mg/Kg-dry	233372	1	11/28/2016 17:35	IO
Barium	38.7	4.92		mg/Kg-dry	233372	1	11/28/2016 17:35	IO
Cadmium	BRL	2.46		mg/Kg-dry	233372	1	11/28/2016 17:35	IO
Chromium	54.3	2.46		mg/Kg-dry	233372	1	11/28/2016 17:35	IO
Lead	13.7	4.92		mg/Kg-dry	233372	1	11/28/2016 17:35	IO
Selenium	BRL	4.92		mg/Kg-dry	233372	1	11/28/2016 17:35	IO
Silver	BRL	2.46		mg/Kg-dry	233372	1	11/28/2016 17:35	IO
PERCENT MOISTURE D2216								
Percent Moisture	27.6	0		wt%	R330825	1	11/28/2016 09:00	BD

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-005

Client Sample ID: TRIP BLANK
Collection Date: 11/21/2016
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
1,1,1-Trichloroethane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,1,2,2-Tetrachloroethane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,1,2-Trichloroethane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,1-Dichloroethane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,1-Dichloroethene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,2,4-Trichlorobenzene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,2-Dibromo-3-chloropropane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,2-Dibromoethane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,2-Dichlorobenzene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,2-Dichloroethane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,2-Dichloropropane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,3-Dichlorobenzene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
1,4-Dichlorobenzene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
2-Butanone	BRL	50		ug/L	233652	1	11/23/2016 16:08	BN
2-Hexanone	BRL	10		ug/L	233652	1	11/23/2016 16:08	BN
4-Methyl-2-pentanone	BRL	10		ug/L	233652	1	11/23/2016 16:08	BN
Acetone	BRL	50		ug/L	233652	1	11/23/2016 16:08	BN
Benzene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Bromodichloromethane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Bromoform	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Bromomethane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Carbon disulfide	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Carbon tetrachloride	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Chlorobenzene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Chloroethane	BRL	10		ug/L	233652	1	11/23/2016 16:08	BN
Chloroform	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Chloromethane	BRL	10		ug/L	233652	1	11/23/2016 16:08	BN
cis-1,2-Dichloroethene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
cis-1,3-Dichloropropene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Cyclohexane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Dibromochloromethane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Dichlorodifluoromethane	BRL	10		ug/L	233652	1	11/23/2016 16:08	BN
Ethylbenzene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Freon-113	BRL	10		ug/L	233652	1	11/23/2016 16:08	BN
Isopropylbenzene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
m,p-Xylene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Methyl acetate	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Methyl tert-butyl ether	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Methylcyclohexane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Methylene chloride	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
o-Xylene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc
Date: 30-Nov-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1611J98-005

Client Sample ID: TRIP BLANK
Collection Date: 11/21/2016
Matrix: Aqueous

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
TCL VOLATILE ORGANICS SW8260B				(SW5030B)				
Styrene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Tetrachloroethene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Toluene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
trans-1,2-Dichloroethene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
trans-1,3-Dichloropropene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Trichloroethene	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Trichlorofluoromethane	BRL	5.0		ug/L	233652	1	11/23/2016 16:08	BN
Vinyl chloride	BRL	2.0		ug/L	233652	1	11/23/2016 16:08	BN
Surr: 4-Bromofluorobenzene	109	66.1-129		%REC	233652	1	11/23/2016 16:08	BN
Surr: Dibromofluoromethane	106	83.6-123		%REC	233652	1	11/23/2016 16:08	BN
Surr: Toluene-d8	98.5	81.8-118		%REC	233652	1	11/23/2016 16:08	BN

Qualifiers: * Value exceeds maximum contaminant level
 BRL Below reporting limit
 H Holding times for preparation or analysis exceeded
 N Analyte not NELAC certified
 B Analyte detected in the associated method blank
 > Greater than Result value

E Estimated (value above quantitation range)
 S Spike Recovery outside limits due to matrix
 Narr See case narrative
 NC Not confirmed
 < Less than Result value
 J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample/Cooler Receipt Checklist

Client EPS Work Order Number 1611598

Checklist completed by [Signature] Date 11/21/16
Signature Date

Carrier name: FedEx ☐ UPS ☐ Courier ☐ Client ☒ US Mail ☐ Other ☐

Shipping container/cooler in good condition? Yes ☒ No ☐ Not Present ☐

Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☒

Custody seals intact on sample bottles? Yes ☐ No ☐ Not Present ☒

Container/Temp Blank temperature in compliance? ($0^{\circ} \leq 6^{\circ}C$)* Yes ☒ No ☐

Cooler #1 2-5 Cooler #2 ☐ Cooler #3 ☐ Cooler #4 ☐ Cooler #5 ☐ Cooler #6 ☐

Chain of custody present? Yes ☒ No ☐

Chain of custody signed when relinquished and received? Yes ☒ No ☐

Chain of custody agrees with sample labels? Yes ☒ No ☐

Samples in proper container/bottle? Yes ☒ No ☐

Sample containers intact? Yes ☒ No ☐

Sufficient sample volume for indicated test? Yes ☒ No ☐

All samples received within holding time? Yes ☒ No ☐

Was TAT marked on the COC? Yes ☒ No ☐

Proceed with Standard TAT as per project history? Yes ☐ No ☐ Not Applicable ☒

Water - VOA vials have zero headspace? No VOA vials submitted ☐ Yes ☒ No ☐

Water - pH acceptable upon receipt? Yes ☒ No ☐ Not Applicable ☐

Adjusted? ☐ Checked by ☐

Sample Condition: Good ☒ Other(Explain) ☐

(For diffusive samples or AIHA lead) Is a known blank included? Yes ☐ No ☒

See Case Narrative for resolution of the Non-Conformance.

* Samples do not have to comply with the given range for certain parameters.

\\Aes_server\\Sample Receipt\\My Documents\\COCs and pH Adjustment Sheet\\Sample_Cooler_Recipt_Checklist_Rev1.rtf

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233372**

Sample ID: MB-233372	Client ID:					Units: mg/Kg	Prep Date: 11/25/2016	Run No: 330843			
SampleType: MBLK	TestCode: METALS, TOTAL	SW6010D	BatchID: 233372				Analysis Date: 11/28/2016	Seq No: 7196143			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	BRL	5.00
Barium	BRL	5.00
Cadmium	BRL	2.50
Chromium	BRL	2.50
Lead	BRL	5.00
Selenium	BRL	5.00
Silver	BRL	2.50

Sample ID: LCS-233372	Client ID:					Units: mg/Kg	Prep Date: 11/25/2016	Run No: 330843			
SampleType: LCS	TestCode: METALS, TOTAL	SW6010D	BatchID: 233372				Analysis Date: 11/28/2016	Seq No: 7196144			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	49.16	5.00	50.00		98.3	80	120
Barium	47.02	5.00	50.00		94.0	80	120
Cadmium	49.46	2.50	50.00		98.9	80	120
Chromium	48.78	2.50	50.00	0.08559	97.4	80	120
Lead	48.09	5.00	50.00		96.2	80	120
Selenium	49.45	5.00	50.00		98.9	80	120
Silver	4.659	2.50	5.000		93.2	80	120

Sample ID: 1611M49-001CMS	Client ID:					Units: mg/Kg-dry	Prep Date: 11/25/2016	Run No: 330843			
SampleType: MS	TestCode: METALS, TOTAL	SW6010D	BatchID: 233372				Analysis Date: 11/28/2016	Seq No: 7196146			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	78.38	5.42	54.21	35.05	79.9	75	125				
Barium	194.0	5.42	54.21	159.9	63.0	75	125				S
Cadmium	49.88	2.71	54.21	1.039	90.1	75	125				
Chromium	84.30	2.71	54.21	37.58	86.2	75	125				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233372**

Sample ID: 1611M49-001CMS	Client ID:					Units: mg/Kg-dry	Prep Date: 11/25/2016	Run No: 330843			
SampleType: MS	TestCode: METALS, TOTAL	SW6010D	BatchID: 233372				Analysis Date: 11/28/2016	Seq No: 7196146			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Lead	85.33	5.42	54.21	40.19	83.3	75	125				
Selenium	45.09	5.42	54.21		83.2	75	125				
Silver	4.393	2.71	5.421		81.0	75	125				

Sample ID: 1611M49-001CMSD	Client ID:					Units: mg/Kg-dry	Prep Date: 11/25/2016	Run No: 330843			
SampleType: MSD	TestCode: METALS, TOTAL	SW6010D	BatchID: 233372				Analysis Date: 11/28/2016	Seq No: 7196147			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Arsenic	80.48	5.43	54.27	35.05	83.7	75	125	78.38	2.64	20	
Barium	201.8	5.43	54.27	159.9	77.2	75	125	194.0	3.93	20	
Cadmium	51.92	2.71	54.27	1.039	93.8	75	125	49.88	4.01	20	
Chromium	86.86	2.71	54.27	37.58	90.8	75	125	84.30	2.99	20	
Lead	85.97	5.43	54.27	40.19	84.3	75	125	85.33	0.741	20	
Selenium	46.67	5.43	54.27		86.0	75	125	45.09	3.45	20	
Silver	4.637	2.71	5.427		85.4	75	125	4.393	5.41	20	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233524**

Sample ID: MB-233524	Client ID:				Units: ug/Kg	Prep Date: 11/23/2016	Run No: 330595				
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D				BatchID: 233524	Analysis Date: 11/23/2016	Seq No: 7189311				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1'-Biphenyl	BRL	330									
2,4,5-Trichlorophenol	BRL	1700									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2,4-Dinitrotoluene	BRL	330									
2,6-Dinitrotoluene	BRL	330									
2-Chloronaphthalene	BRL	330									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
2-Nitroaniline	BRL	1700									
2-Nitrophenol	BRL	330									
3,3'-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	1700									
4,6-Dinitro-2-methylphenol	BRL	1700									
4-Bromophenyl phenyl ether	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
4-Chloroaniline	BRL	330									
4-Chlorophenyl phenyl ether	BRL	330									
4-Methylphenol	BRL	330									
4-Nitroaniline	BRL	1700									
4-Nitrophenol	BRL	1700									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Acetophenone	BRL	330									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233524**

Sample ID: MB-233524	Client ID:				Units: ug/Kg	Prep Date: 11/23/2016	Run No: 330595				
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D				BatchID: 233524	Analysis Date: 11/23/2016	Seq No: 7189311				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Anthracene	BRL	330									
Atrazine	BRL	330									
Benz(a)anthracene	BRL	330									
Benzaldehyde	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Bis(2-chloroethoxy)methane	BRL	330									
Bis(2-chloroethyl)ether	BRL	330									
Bis(2-chloroisopropyl)ether	BRL	330									
Bis(2-ethylhexyl)phthalate	BRL	330									
Butyl benzyl phthalate	BRL	330									
Caprolactam	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Di-n-butyl phthalate	BRL	330									
Di-n-octyl phthalate	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Diethyl phthalate	BRL	330									
Dimethyl phthalate	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Hexachlorobenzene	BRL	330									
Hexachlorobutadiene	BRL	330									
Hexachlorocyclopentadiene	BRL	660									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233524**

Sample ID: MB-233524	Client ID:				Units: ug/Kg	Prep Date: 11/23/2016	Run No: 330595				
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D				BatchID: 233524	Analysis Date: 11/23/2016	Seq No: 7189311				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Hexachloroethane	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Isophorone	BRL	330									
N-Nitrosodi-n-propylamine	BRL	330									
N-Nitrosodiphenylamine	BRL	330									
Naphthalene	BRL	330									
Nitrobenzene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2851	0	3333		85.5	42.4	130				
Surr: 2-Fluorobiphenyl	1198	0	1667		71.9	51.5	120				
Surr: 2-Fluorophenol	2425	0	3333		72.8	41.1	120				
Surr: 4-Terphenyl-d14	1442	0	1667		86.5	52.7	117				
Surr: Nitrobenzene-d5	1211	0	1667		72.6	41.4	120				
Surr: Phenol-d5	2401	0	3333		72.0	47.6	120				

Sample ID: LCS-233524	Client ID:					Units: ug/Kg	Prep Date: 11/23/2016	Run No: 330595			
SampleType: LCS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233524	Analysis Date: 11/23/2016	Seq No: 7189310			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	2466	330	3333		74.0	64.8	117				
2-Chlorophenol	2602	330	3333		78.1	61.7	120				
4-Chloro-3-methylphenol	2641	330	3333		79.2	63.7	119				
4-Nitrophenol	2472	1700	3333		74.2	40.1	122				
Acenaphthene	2443	330	3333		73.3	69.6	120				
N-Nitrosodi-n-propylamine	2806	330	3333		84.2	61.5	132				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233524**

Sample ID: LCS-233524	Client ID:					Units: ug/Kg	Prep Date: 11/23/2016	Run No: 330595			
SampleType: LCS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233524	Analysis Date: 11/23/2016	Seq No: 7189310			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Pentachlorophenol	3828	1700	3333		115	40.2	121				
Phenol	2250	330	3333		67.5	52.8	120				
Pyrene	2584	330	3333		77.5	64	124				
Surr: 2,4,6-Tribromophenol	2968	0	3333		89.0	42.4	130				
Surr: 2-Fluorobiphenyl	1228	0	1667		73.7	51.5	120				
Surr: 2-Fluorophenol	2538	0	3333		76.2	41.1	120				
Surr: 4-Terphenyl-d14	1461	0	1667		87.7	52.7	117				
Surr: Nitrobenzene-d5	1242	0	1667		74.5	41.4	120				
Surr: Phenol-d5	2510	0	3333		75.3	47.6	120				

Sample ID: 1611H32-011CMS	Client ID:					Units: ug/Kg-dry	Prep Date: 11/23/2016	Run No: 330665			
SampleType: MS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233524	Analysis Date: 11/23/2016	Seq No: 7191384			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	2703	360	3634		74.4	49.2	120				
2-Chlorophenol	2809	360	3634		77.3	51.7	120				
4-Chloro-3-methylphenol	3076	360	3634		84.6	52.9	120				
4-Nitrophenol	2740	1900	3634		75.4	30.8	120				
Acenaphthene	2776	360	3634		76.4	52.2	120				
N-Nitrosodi-n-propylamine	2984	360	3634		82.1	51.7	125				
Pentachlorophenol	4364	1900	3634		120	39.4	120				S
Phenol	2424	360	3634		66.7	45.4	120				
Pyrene	2956	360	3634		81.4	49.1	120				
Surr: 2,4,6-Tribromophenol	3373	0	3634		92.8	42.4	130				
Surr: 2-Fluorobiphenyl	1405	0	1817		77.4	51.5	120				
Surr: 2-Fluorophenol	2598	0	3634		71.5	41.1	120				
Surr: 4-Terphenyl-d14	1669	0	1817		91.9	52.7	117				
Surr: Nitrobenzene-d5	1380	0	1817		76.0	41.4	120				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233524**

Sample ID: 1611H32-011CMS	Client ID:					Units: ug/Kg-dry	Prep Date: 11/23/2016	Run No: 330665			
SampleType: MS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233524	Analysis Date: 11/23/2016	Seq No: 7191384			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: Phenol-d5 2736 0 3634 75.3 47.6 120

Sample ID: 1611H32-011CMSD	Client ID:					Units: ug/Kg-dry	Prep Date: 11/23/2016	Run No: 330665			
SampleType: MSD	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233524	Analysis Date: 11/23/2016	Seq No: 7191385			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	2614	360	3634		71.9	49.2	120	2703	3.35	23.4	
2-Chlorophenol	2729	360	3634		75.1	51.7	120	2809	2.89	29.9	
4-Chloro-3-methylphenol	2938	360	3634		80.9	52.9	120	3076	4.57	45.7	
4-Nitrophenol	2651	1900	3634		73.0	30.8	120	2740	3.29	30.8	
Acenaphthene	2654	360	3634		73.0	52.2	120	2776	4.50	24.4	
N-Nitrosodi-n-propylamine	2909	360	3634		80.1	51.7	125	2984	2.53	19.7	
Pentachlorophenol	3978	1900	3634		109	39.4	120	4364	9.24	26.5	
Phenol	2359	360	3634		64.9	45.4	120	2424	2.70	20.7	
Pyrene	2847	360	3634		78.4	49.1	120	2956	3.76	33.4	
Surr: 2,4,6-Tribromophenol	3202	0	3634		88.1	42.4	130	3373	0	0	
Surr: 2-Fluorobiphenyl	1345	0	1817		74.0	51.5	120	1405	0	0	
Surr: 2-Fluorophenol	2674	0	3634		73.6	41.1	120	2598	0	0	
Surr: 4-Terphenyl-d14	1601	0	1817		88.1	52.7	117	1669	0	0	
Surr: Nitrobenzene-d5	1378	0	1817		75.8	41.4	120	1380	0	0	
Surr: Phenol-d5	2685	0	3634		73.9	47.6	120	2736	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT

BatchID: 233553

Sample ID: MB-233553	Client ID:					Units: mg/Kg	Prep Date: 11/25/2016	Run No: 330722			
SampleType: MBLK	TestCode: TOTAL MERCURY	SW7471B	BatchID: 233553				Analysis Date: 11/25/2016	Seq No: 7192533			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury BRL 0.100

Sample ID: LCS-233553	Client ID:					Units: mg/Kg	Prep Date: 11/25/2016	Run No: 330722			
SampleType: LCS	TestCode: TOTAL MERCURY	SW7471B	BatchID: 233553				Analysis Date: 11/25/2016	Seq No: 7192534			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.4230 0.100 0.4000 106 80 120

Sample ID: 1611J98-004DMS	Client ID: 16326-S2-1	Units: mg/Kg-dry				Prep Date: 11/25/2016	Run No: 330722				
SampleType: MS	TestCode: TOTAL MERCURY SW7471B	BatchID: 233553				Analysis Date: 11/25/2016	Seq No: 7192538				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.6283 0.125 0.5006 0.04843 116 70 130

Sample ID: 1611J98-004DMSD	Client ID: 16326-S2-1					Units: mg/Kg-dry	Prep Date: 11/25/2016	Run No: 330722			
SampleType: MSD	TestCode: TOTAL MERCURY SW7471B					BatchID: 233553	Analysis Date: 11/25/2016	Seq No: 7192539			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Mercury 0.6101 0.129 0.5175 0.04843 109 70 130 0.6283 2.94 30

Qualifiers:	> Greater than Result value	< Less than Result value	B Analyte detected in the associated method blank
	BRL Below reporting limit	E Estimated (value above quantitation range)	H Holding times for preparation or analysis exceeded
	J Estimated value detected below Reporting Limit	N Analyte not NELAC certified	R RPD outside limits due to matrix
	Rpt Lim Reporting Limit	S Spike Recovery outside limits due to matrix	

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233596**

Sample ID: MB-233596	Client ID:					Units: ug/Kg	Prep Date: 11/23/2016		Run No: 330694		
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233596	Analysis Date: 11/25/2016		Seq No: 7192090		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1'-Biphenyl	BRL	330									
2,4,5-Trichlorophenol	BRL	1700									
2,4,6-Trichlorophenol	BRL	330									
2,4-Dichlorophenol	BRL	330									
2,4-Dimethylphenol	BRL	330									
2,4-Dinitrophenol	BRL	1700									
2,4-Dinitrotoluene	BRL	330									
2,6-Dinitrotoluene	BRL	330									
2-Chloronaphthalene	BRL	330									
2-Chlorophenol	BRL	330									
2-Methylnaphthalene	BRL	330									
2-Methylphenol	BRL	330									
2-Nitroaniline	BRL	1700									
2-Nitrophenol	BRL	330									
3,3'-Dichlorobenzidine	BRL	670									
3-Nitroaniline	BRL	1700									
4,6-Dinitro-2-methylphenol	BRL	1700									
4-Bromophenyl phenyl ether	BRL	330									
4-Chloro-3-methylphenol	BRL	330									
4-Chloroaniline	BRL	330									
4-Chlorophenyl phenyl ether	BRL	330									
4-Methylphenol	BRL	330									
4-Nitroaniline	BRL	1700									
4-Nitrophenol	BRL	1700									
Acenaphthene	BRL	330									
Acenaphthylene	BRL	330									
Acetophenone	BRL	330									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233596**

Sample ID: MB-233596	Client ID:					Units: ug/Kg	Prep Date: 11/23/2016	Run No: 330694			
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233596	Analysis Date: 11/25/2016	Seq No: 7192090			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Anthracene	BRL	330									
Atrazine	BRL	330									
Benz(a)anthracene	BRL	330									
Benzaldehyde	BRL	330									
Benzo(a)pyrene	BRL	330									
Benzo(b)fluoranthene	BRL	330									
Benzo(g,h,i)perylene	BRL	330									
Benzo(k)fluoranthene	BRL	330									
Bis(2-chloroethoxy)methane	BRL	330									
Bis(2-chloroethyl)ether	BRL	330									
Bis(2-chloroisopropyl)ether	BRL	330									
Bis(2-ethylhexyl)phthalate	BRL	330									
Butyl benzyl phthalate	BRL	330									
Caprolactam	BRL	330									
Carbazole	BRL	330									
Chrysene	BRL	330									
Di-n-butyl phthalate	BRL	330									
Di-n-octyl phthalate	BRL	330									
Dibenz(a,h)anthracene	BRL	330									
Dibenzofuran	BRL	330									
Diethyl phthalate	BRL	330									
Dimethyl phthalate	BRL	330									
Fluoranthene	BRL	330									
Fluorene	BRL	330									
Hexachlorobenzene	BRL	330									
Hexachlorobutadiene	BRL	330									
Hexachlorocyclopentadiene	BRL	660									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233596**

Sample ID: MB-233596	Client ID:				Units: ug/Kg	Prep Date: 11/23/2016	Run No: 330694				
SampleType: MBLK	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D				BatchID: 233596	Analysis Date: 11/25/2016	Seq No: 7192090				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Hexachloroethane	BRL	330									
Indeno(1,2,3-cd)pyrene	BRL	330									
Isophorone	BRL	330									
N-Nitrosodi-n-propylamine	BRL	330									
N-Nitrosodiphenylamine	BRL	330									
Naphthalene	BRL	330									
Nitrobenzene	BRL	330									
Pentachlorophenol	BRL	1700									
Phenanthrene	BRL	330									
Phenol	BRL	330									
Pyrene	BRL	330									
Surr: 2,4,6-Tribromophenol	2414	0	3333		72.4	42.4	130				
Surr: 2-Fluorobiphenyl	986.0	0	1667		59.2	51.5	120				
Surr: 2-Fluorophenol	2054	0	3333		61.6	41.1	120				
Surr: 4-Terphenyl-d14	1254	0	1667		75.3	52.7	117				
Surr: Nitrobenzene-d5	1033	0	1667		62.0	41.4	120				
Surr: Phenol-d5	2037	0	3333		61.1	47.6	120				

Sample ID: LCS-233596	Client ID:					Units: ug/Kg	Prep Date: 11/23/2016	Run No: 330820			
SampleType: LCS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233596	Analysis Date: 11/28/2016	Seq No: 7195692			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	2442	330	3333		73.3	64.8	117				
2-Chlorophenol	2482	330	3333		74.4	61.7	120				
4-Chloro-3-methylphenol	2783	330	3333		83.5	63.7	119				
4-Nitrophenol	2350	1700	3333		70.5	40.1	122				
Acenaphthene	2572	330	3333		77.2	69.6	120				
N-Nitrosodi-n-propylamine	2793	330	3333		83.8	61.5	132				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233596**

Sample ID: LCS-233596	Client ID:					Units: ug/Kg	Prep Date: 11/23/2016	Run No: 330820			
SampleType: LCS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233596	Analysis Date: 11/28/2016	Seq No: 7195692			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Pentachlorophenol	3914	1700	3333		117	40.2	121				
Phenol	2179	330	3333		65.4	52.8	120				
Pyrene	2743	330	3333		82.3	64	124				
Surr: 2,4,6-Tribromophenol	2964	0	3333		88.9	42.4	130				
Surr: 2-Fluorobiphenyl	1279	0	1667		76.7	51.5	120				
Surr: 2-Fluorophenol	2344	0	3333		70.3	41.1	120				
Surr: 4-Terphenyl-d14	1536	0	1667		92.1	52.7	117				
Surr: Nitrobenzene-d5	1275	0	1667		76.5	41.4	120				
Surr: Phenol-d5	2463	0	3333		73.9	47.6	120				

Sample ID: 1611L49-002BMS	Client ID:					Units: ug/Kg-dry	Prep Date: 11/23/2016	Run No: 330694			
SampleType: MS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233596	Analysis Date: 11/25/2016	Seq No: 7195481			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	2456	360	3637		67.5	49.2	120				
2-Chlorophenol	2572	360	3637		70.7	51.7	120				
4-Chloro-3-methylphenol	2657	360	3637		73.1	52.9	120				
4-Nitrophenol	2414	1900	3637		66.4	30.8	120				
Acenaphthene	2407	360	3637		66.2	52.2	120				
N-Nitrosodi-n-propylamine	2793	360	3637		76.8	51.7	125				
Pentachlorophenol	3610	1900	3637		99.3	39.4	120				
Phenol	2255	360	3637		62.0	45.4	120				
Pyrene	2521	360	3637		69.3	49.1	120				
Surr: 2,4,6-Tribromophenol	2847	0	3637		78.3	42.4	130				
Surr: 2-Fluorobiphenyl	1190	0	1818		65.4	51.5	120				
Surr: 2-Fluorophenol	2481	0	3637		68.2	41.1	120				
Surr: 4-Terphenyl-d14	1409	0	1818		77.5	52.7	117				
Surr: Nitrobenzene-d5	1228	0	1818		67.5	41.4	120				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233596**

Sample ID: 1611L49-002BMS	Client ID:					Units: ug/Kg-dry	Prep Date: 11/23/2016	Run No: 330694			
SampleType: MS	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233596	Analysis Date: 11/25/2016	Seq No: 7195481			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Surr: Phenol-d5 2494 0 3637 68.6 47.6 120

Sample ID: 1611L49-002BMSD	Client ID:					Units: ug/Kg-dry	Prep Date: 11/23/2016	Run No: 330694			
SampleType: MSD	TestCode: TCL-SEMIVOLATILE ORGANICS SW8270D					BatchID: 233596	Analysis Date: 11/25/2016	Seq No: 7195492			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

2,4-Dinitrotoluene	2486	360	3637		68.4	49.2	120	2456	1.24	23.4	
2-Chlorophenol	2515	360	3637		69.2	51.7	120	2572	2.23	29.9	
4-Chloro-3-methylphenol	2712	360	3637		74.6	52.9	120	2657	2.05	45.7	
4-Nitrophenol	2435	1900	3637		67.0	30.8	120	2414	0.870	30.8	
Acenaphthene	2424	360	3637		66.6	52.2	120	2407	0.708	24.4	
N-Nitrosodi-n-propylamine	2777	360	3637		76.4	51.7	125	2793	0.601	19.7	
Pentachlorophenol	3683	1900	3637		101	39.4	120	3610	2.00	26.5	
Phenol	2238	360	3637		61.6	45.4	120	2255	0.745	20.7	
Pyrene	2591	360	3637		71.2	49.1	120	2521	2.73	33.4	
Surr: 2,4,6-Tribromophenol	2925	0	3637		80.4	42.4	130	2847	0	0	
Surr: 2-Fluorobiphenyl	1202	0	1818		66.1	51.5	120	1190	0	0	
Surr: 2-Fluorophenol	2425	0	3637		66.7	41.1	120	2481	0	0	
Surr: 4-Terphenyl-d14	1451	0	1818		79.8	52.7	117	1409	0	0	
Surr: Nitrobenzene-d5	1238	0	1818		68.1	41.4	120	1228	0	0	
Surr: Phenol-d5	2447	0	3637		67.3	47.6	120	2494	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233652**

Sample ID: MB-233652	Client ID:	Units: ug/L				Prep Date: 11/23/2016	Run No: 330560				
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 233652				Analysis Date: 11/23/2016	Seq No: 7191272				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	BRL	5.0
1,1,2,2-Tetrachloroethane	BRL	5.0
1,1,2-Trichloroethane	BRL	5.0
1,1-Dichloroethane	BRL	5.0
1,1-Dichloroethene	BRL	5.0
1,2,4-Trichlorobenzene	BRL	5.0
1,2-Dibromo-3-chloropropane	BRL	5.0
1,2-Dibromoethane	BRL	5.0
1,2-Dichlorobenzene	BRL	5.0
1,2-Dichloroethane	BRL	5.0
1,2-Dichloropropane	BRL	5.0
1,3-Dichlorobenzene	BRL	5.0
1,4-Dichlorobenzene	BRL	5.0
2-Butanone	BRL	50
2-Hexanone	BRL	10
4-Methyl-2-pentanone	BRL	10
Acetone	BRL	50
Benzene	BRL	5.0
Bromodichloromethane	BRL	5.0
Bromoform	BRL	5.0
Bromomethane	BRL	5.0
Carbon disulfide	BRL	5.0
Carbon tetrachloride	BRL	5.0
Chlorobenzene	BRL	5.0
Chloroethane	BRL	10
Chloroform	BRL	5.0
Chloromethane	BRL	10

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233652**

Sample ID: MB-233652	Client ID:					Units: ug/L	Prep Date: 11/23/2016	Run No: 330560			
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 233652	Analysis Date: 11/23/2016	Seq No: 7191272			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	5.0									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	2.0									
Surr: 4-Bromofluorobenzene	43.89	0	50.00		87.8	66.1	129				
Surr: Dibromofluoromethane	48.00	0	50.00		96.0	83.6	123				
Surr: Toluene-d8	46.56	0	50.00		93.1	81.8	118				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233652**

Sample ID: LCS-233652	Client ID:					Units: ug/L	Prep Date: 11/23/2016	Run No: 330560			
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 233652	Analysis Date: 11/23/2016	Seq No: 7191273			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	55.37	5.0	50.00		111	68	139				
Benzene	51.39	5.0	50.00		103	74	125				
Chlorobenzene	46.63	5.0	50.00		93.3	75.7	123				
Toluene	52.28	5.0	50.00		105	75.9	126				
Trichloroethene	48.35	5.0	50.00		96.7	70.6	129				
Surr: 4-Bromofluorobenzene	43.24	0	50.00		86.5	66.1	129				
Surr: Dibromofluoromethane	50.34	0	50.00		101	83.6	123				
Surr: Toluene-d8	44.64	0	50.00		89.3	81.8	118				

Sample ID: 1611L60-003AMS	Client ID:					Units: ug/L	Prep Date: 11/23/2016	Run No: 330557			
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 233652	Analysis Date: 11/23/2016	Seq No: 7191595			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	543.7	50	500.0		109	64.3	149				
Benzene	585.2	50	500.0		117	71.6	132				
Chlorobenzene	539.6	50	500.0		108	73.1	126				
Toluene	552.0	50	500.0		110	72.5	135				
Trichloroethene	557.2	50	500.0		111	70.2	132				
Surr: 4-Bromofluorobenzene	519.6	0	500.0		104	66.1	129				
Surr: Dibromofluoromethane	491.1	0	500.0		98.2	83.6	123				
Surr: Toluene-d8	473.6	0	500.0		94.7	81.8	118				

Sample ID: 1611L60-003AMSD	Client ID:				Units: ug/L	Prep Date: 11/23/2016	Run No: 330557				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 233652	Analysis Date: 11/23/2016	Seq No: 7191596				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	512.9	50	500.0		103	64.3	149	543.7	5.83	30.8	
Benzene	560.5	50	500.0		112	71.6	132	585.2	4.31	20.7	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT

BatchID: 233652

Sample ID: 1611L60-003AMSD	Client ID:	Units: ug/L				Prep Date: 11/23/2016	Run No: 330557				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 233652				Analysis Date: 11/23/2016	Seq No: 7191596				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	513.9	50	500.0		103	73.1	126	539.6	4.88	26.6	
Toluene	519.6	50	500.0		104	72.5	135	552.0	6.05	23.2	
Trichloroethene	523.0	50	500.0		105	70.2	132	557.2	6.33	27.7	
Surr: 4-Bromofluorobenzene	521.4	0	500.0		104	66.1	129	519.6	0	0	
Surr: Dibromofluoromethane	499.8	0	500.0		100.0	83.6	123	491.1	0	0	
Surr: Toluene-d8	475.6	0	500.0		95.1	81.8	118	473.6	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233802**

Sample ID: MB-233802	Client ID:	Units: ug/Kg				Prep Date: 11/28/2016	Run No: 330782				
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 233802				Analysis Date: 11/28/2016	Seq No: 7196844				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	BRL	5.0
1,1,2,2-Tetrachloroethane	BRL	5.0
1,1,2-Trichloroethane	BRL	5.0
1,1-Dichloroethane	BRL	5.0
1,1-Dichloroethene	BRL	5.0
1,2,4-Trichlorobenzene	BRL	5.0
1,2-Dibromo-3-chloropropane	BRL	5.0
1,2-Dibromoethane	BRL	5.0
1,2-Dichlorobenzene	BRL	5.0
1,2-Dichloroethane	BRL	5.0
1,2-Dichloropropane	BRL	5.0
1,3-Dichlorobenzene	BRL	5.0
1,4-Dichlorobenzene	BRL	5.0
2-Butanone	BRL	50
2-Hexanone	BRL	10
4-Methyl-2-pentanone	BRL	10
Acetone	BRL	100
Benzene	BRL	5.0
Bromodichloromethane	BRL	5.0
Bromoform	BRL	5.0
Bromomethane	BRL	5.0
Carbon disulfide	BRL	10
Carbon tetrachloride	BRL	5.0
Chlorobenzene	BRL	5.0
Chloroethane	BRL	10
Chloroform	BRL	5.0
Chloromethane	BRL	10

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233802**

Sample ID: MB-233802	Client ID:					Units: ug/Kg	Prep Date: 11/28/2016		Run No: 330782		
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS	SW8260B				BatchID: 233802	Analysis Date: 11/28/2016		Seq No: 7196844		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	5.0									
cis-1,3-Dichloropropene	BRL	5.0									
Cyclohexane	BRL	5.0									
Dibromochloromethane	BRL	5.0									
Dichlorodifluoromethane	BRL	10									
Ethylbenzene	BRL	5.0									
Freon-113	BRL	10									
Isopropylbenzene	BRL	5.0									
m,p-Xylene	BRL	5.0									
Methyl acetate	BRL	5.0									
Methyl tert-butyl ether	BRL	5.0									
Methylcyclohexane	BRL	5.0									
Methylene chloride	BRL	20									
o-Xylene	BRL	5.0									
Styrene	BRL	5.0									
Tetrachloroethene	BRL	5.0									
Toluene	BRL	5.0									
trans-1,2-Dichloroethene	BRL	5.0									
trans-1,3-Dichloropropene	BRL	5.0									
Trichloroethene	BRL	5.0									
Trichlorofluoromethane	BRL	5.0									
Vinyl chloride	BRL	10									
Surr: 4-Bromofluorobenzene	48.69	0	50.00		97.4	70	128				
Surr: Dibromofluoromethane	53.88	0	50.00		108	78.2	128				
Surr: Toluene-d8	48.48	0	50.00		97.0	76.5	116				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233802**

Sample ID: LCS-233802	Client ID:				Units: ug/Kg	Prep Date: 11/28/2016	Run No: 330782				
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B				BatchID: 233802	Analysis Date: 11/28/2016	Seq No: 7196852				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	50.39	5.0	50.00		101	69.9	145				
Benzene	50.43	5.0	50.00		101	72.3	130				
Chlorobenzene	49.41	5.0	50.00		98.8	69	130				
Toluene	49.81	5.0	50.00		99.6	71.1	130				
Trichloroethene	53.85	5.0	50.00		108	71.7	136				
Surr: 4-Bromofluorobenzene	47.94	0	50.00		95.9	70	128				
Surr: Dibromofluoromethane	51.87	0	50.00		104	78.2	128				
Surr: Toluene-d8	47.23	0	50.00		94.5	76.5	116				

Sample ID: 1611M50-007AMS	Client ID:					Units: ug/Kg-dry	Prep Date: 11/28/2016	Run No: 330878			
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 233802	Analysis Date: 11/29/2016	Seq No: 7197801			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	51.11	6.3	62.63		81.6	56.6	151				
Benzene	55.14	6.3	62.63		88.0	70.4	130				
Chlorobenzene	56.25	6.3	62.63		89.8	67.5	132				
Toluene	54.93	6.3	62.63		87.7	70.4	130				
Trichloroethene	58.50	6.3	62.63		93.4	70.1	137				
Surr: 4-Bromofluorobenzene	60.05	0	62.63		95.9	70	128				
Surr: Dibromofluoromethane	65.25	0	62.63		104	78.2	128				
Surr: Toluene-d8	59.20	0	62.63		94.5	76.5	116				

Sample ID: 1611M50-007AMSD	Client ID:					Units: ug/Kg-dry	Prep Date: 11/28/2016	Run No: 330878			
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 233802	Analysis Date: 11/29/2016	Seq No: 7197802			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	53.88	6.3	62.63		86.0	56.6	151	51.11	5.27	20.4	
Benzene	56.98	6.3	62.63		91.0	70.4	130	55.14	3.28	16.9	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT

BatchID: 233802

Sample ID: 1611M50-007AMSD	Client ID:	Units: ug/Kg-dry				Prep Date: 11/28/2016	Run No: 330878				
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 233802				Analysis Date: 11/29/2016	Seq No: 7197802				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	57.59	6.3	62.63		91.9	67.5	132	56.25	2.36	14.6	
Toluene	55.96	6.3	62.63		89.3	70.4	130	54.93	1.85	16.6	
Trichloroethene	59.38	6.3	62.63		94.8	70.1	137	58.50	1.49	17	
Surr: 4-Bromofluorobenzene	60.03	0	62.63		95.8	70	128	60.05	0	0	
Surr: Dibromofluoromethane	63.81	0	62.63		102	78.2	128	65.25	0	0	
Surr: Toluene-d8	58.89	0	62.63		94.0	76.5	116	59.20	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT

BatchID: 233855

Sample ID: MB-233855	Client ID:					Units: ug/Kg	Prep Date: 11/29/2016	Run No: 330914			
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 233855	Analysis Date: 11/29/2016	Seq No: 7198721			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	BRL	250
1,1,2,2-Tetrachloroethane	BRL	250
1,1,2-Trichloroethane	BRL	250
1,1-Dichloroethane	BRL	250
1,1-Dichloroethene	BRL	250
1,2,4-Trichlorobenzene	BRL	250
1,2-Dibromo-3-chloropropane	BRL	250
1,2-Dibromoethane	BRL	250
1,2-Dichlorobenzene	BRL	250
1,2-Dichloroethane	BRL	250
1,2-Dichloropropane	BRL	250
1,3-Dichlorobenzene	BRL	250
1,4-Dichlorobenzene	BRL	250
2-Butanone	BRL	2500
2-Hexanone	BRL	500
4-Methyl-2-pentanone	BRL	500
Acetone	BRL	5000
Benzene	BRL	250
Bromodichloromethane	BRL	250
Bromoform	BRL	250
Bromomethane	BRL	250
Carbon disulfide	BRL	500
Carbon tetrachloride	BRL	250
Chlorobenzene	BRL	250
Chloroethane	BRL	500
Chloroform	BRL	250
Chloromethane	BRL	500

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233855**

Sample ID: MB-233855	Client ID:					Units: ug/Kg	Prep Date: 11/29/2016		Run No: 330914		
SampleType: MBLK	TestCode: TCL VOLATILE ORGANICS SW8260B					BatchID: 233855	Analysis Date: 11/29/2016		Seq No: 7198721		
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
cis-1,2-Dichloroethene	BRL	250									
cis-1,3-Dichloropropene	BRL	250									
Cyclohexane	BRL	250									
Dibromochloromethane	BRL	250									
Dichlorodifluoromethane	BRL	500									
Ethylbenzene	BRL	250									
Freon-113	BRL	500									
Isopropylbenzene	BRL	250									
m,p-Xylene	BRL	250									
Methyl acetate	BRL	250									
Methyl tert-butyl ether	BRL	250									
Methylcyclohexane	BRL	250									
Methylene chloride	BRL	1000									
o-Xylene	BRL	250									
Styrene	BRL	250									
Tetrachloroethene	BRL	250									
Toluene	BRL	250									
trans-1,2-Dichloroethene	BRL	250									
trans-1,3-Dichloropropene	BRL	250									
Trichloroethene	BRL	250									
Trichlorofluoromethane	BRL	250									
Vinyl chloride	BRL	500									
Surr: 4-Bromofluorobenzene	2558	0	2500		102	70	128				
Surr: Dibromofluoromethane	2532	0	2500		101	78.2	128				
Surr: Toluene-d8	2534	0	2500		101	76.5	116				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT**BatchID: 233855**

Sample ID: LCS-233855	Client ID:	Units: ug/Kg				Prep Date: 11/29/2016	Run No: 330914				
SampleType: LCS	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 233855				Analysis Date: 11/29/2016	Seq No: 7198718				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	2972	250	2500		119	62	142				
Benzene	2882	250	2500		115	70.2	131				
Chlorobenzene	2723	250	2500		109	72.9	129				
Toluene	2936	250	2500		117	70.6	131				
Trichloroethene	2949	250	2500		118	70.1	136				
Surr: 4-Bromofluorobenzene	2531	0	2500		101	70	128				
Surr: Dibromofluoromethane	2528	0	2500		101	78.2	128				
Surr: Toluene-d8	2551	0	2500		102	76.5	116				

Sample ID: 1611J98-002AMS	Client ID: 16326-S1-1	Units: ug/Kg-dry				Prep Date: 11/29/2016	Run No: 330914				
SampleType: MS	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 233855				Analysis Date: 11/29/2016	Seq No: 7199728				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	1496	130	1328		113	56.6	151				
Benzene	1468	130	1328		111	70.4	130				
Chlorobenzene	1385	130	1328		104	67.5	132				
Toluene	1506	130	1328		113	70.4	130				
Trichloroethene	1470	130	1328		111	70.1	137				
Surr: 4-Bromofluorobenzene	1306	0	1328		98.4	70	128				
Surr: Dibromofluoromethane	1232	0	1328		92.8	78.2	128				
Surr: Toluene-d8	1346	0	1328		101	76.5	116				

Sample ID: 1611J98-002AMSD	Client ID: 16326-S1-1	Units: ug/Kg-dry			Prep Date: 11/29/2016	Run No: 330914					
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 233855			Analysis Date: 11/29/2016	Seq No: 7199729					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1-Dichloroethene	1469	130	1328		111	56.6	151	1496	1.81	20.4	
Benzene	1439	130	1328		108	70.4	130	1468	1.97	16.9	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1611J98

ANALYTICAL QC SUMMARY REPORT

BatchID: 233855

Sample ID: 1611J98-002AMSD	Client ID: 16326-S1-1	Units: ug/Kg-dry	Prep Date: 11/29/2016	Run No: 330914							
SampleType: MSD	TestCode: TCL VOLATILE ORGANICS SW8260B	BatchID: 233855	Analysis Date: 11/29/2016	Seq No: 7199729							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Chlorobenzene	1344	130	1328		101	67.5	132	1385	2.98	14.6	
Toluene	1463	130	1328		110	70.4	130	1506	2.88	16.6	
Trichloroethene	1419	130	1328		107	70.1	137	1470	3.53	17	
Surr: 4-Bromofluorobenzene	1333	0	1328		100	70	128	1306	0	0	
Surr: Dibromofluoromethane	1247	0	1328		93.9	78.2	128	1232	0	0	
Surr: Toluene-d8	1337	0	1328		101	76.5	116	1346	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		



ANALYTICAL ENVIRONMENTAL SERVICES, INC.

December 08, 2016

Aaron Williams
Environmental Planning Specialists, Inc.
1050 Crown Pointe Parkway, Suite 550
Atlanta GA 30338

TEL: (404) 315-9113
FAX: (404) 315-8509

RE: Grantville Mill

Dear Aaron Williams:

Order No: 1612257

Analytical Environmental Services, Inc. received 1 samples on 12/1/2016 8:37:00 AM for the analyses presented in following report.

No problems were encountered during the analyses. Additionally, all results for the associated Quality Control samples were within EPA and/or AES established limits. Any discrepancies associated with the analyses contained herein will be noted and submitted in the form of a project Case Narrative.

AES's accreditations are as follows:

- NELAC/Florida State Laboratory ID E87582 for analysis of Non-Potable Water, Solid & Chemical Materials, and Drinking Water Microbiology, effective 07/01/16-06/30/17.
- NELAC/Louisiana Agency Interest No. 100818 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 07/01/16-06/30/17.
- NELAC/Texas Certificate No. T104704509-16-6 for or analysis of Non-Potable Water and Solid & Chemical Materials, effective 03/01/16-02/28/17.
- AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene samples (Organics, Metals, PCM Asbestos, Gravimetric), Environmental Lead (Paint, Soil, Dust Wipes, Air), and Environmental Microbiology (Fungal) Direct Examination, effective until 09/01/17.

Chris Pafford
Project Manager



Company: EPS Inc.		Address: 1050 Crown Pointe Pkwy Suite 550 Atlanta GA 30338				Bottle Order #:			Turnaround Time (Circle One): Standard 3 Day Rush 2 Day Rush Other										
Phone: (404) 315-9113		Fax: _____				Sample Matrix*	Canister Serial #	Flow Controller ID	Canister Pressure In Field ("Hg) Start	Canister Pressure In Field ("Hg) Stop	ANALYSIS REQUESTED								Remarks
Sampled by: Melissa Spitzmiller		Signature: <i>Melissa Spitzmiller</i>									TO-15								
#	Sample ID	Sample Start		Sample Finish															
		Date	Time (24hr)	Date	Time (24 hr)														
1	16335-IA-3	11/29/16	1653	11/30/16	1650	IA	17455	03359	-30	~0	✓								
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
SPECIAL INSTRUCTIONS/COMMENTS: If specialized list is required, list analytes here:		RELINQUISHED BY:		DATE/TIME:		RECEIVED BY:		DATE/TIME:		PROJECT INFORMATION									
		1: <i>Melissa Spitzmiller</i>		12/1/16 0857		1: <i>German Miley</i>		12/1/16 8:37 am		PROJECT NAME: Grantville Mill									
		2:				2:				PROJECT #: _____									
		3:				3:				SITE ADDRESS: Grantville GA									
										SEND REPORT TO: Aaron Williams									
		SHIPMENT METHOD										INVOICE TO: awilliams@envplanning.com (IF DIFFERENT FROM ABOVE)							
		OUT / / VIA: IN / / VIA: CLIENT ☒ FedEx ☐ UPS ☐ MAIL ☐ COURIER GREYHOUND ☐ OTHER _____										PO#: _____							
												STATE PROGRAM (if any): _____ E-mail? Y / N Fax? Y / N							
												QUOTE #: _____ DATA PACKAGE: I II III IV							
SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE NEXT BUSINESS DAY; IF NO TAT IS MARKED ON COC, AES WILL PROCEED AS STANDARD TAT. Visit our website www.aesatlanta.com to check on the status of your results, place bottle orders, etc.																			

*SAMPLE MATRIX: IA = Indoor Air AA = Ambient Air SS = Subslab SV = Soil Vapor O = Other (specify)

AES, Inc., assumes no liability with respect to the collection and shipment of these samples.



ANALYTICAL ENVIRONMENTAL SERVICES, INC

3080 Presidential Drive, Atlanta GA 30340-3704

TEL.: (770) 457-8177 / TOLL-FREE (800) 972-4889 / FAX: (770) 457-8188

VAPOR/AIR FIELD TEST DATA SHEET

Work Order #: 1612257

Page 1 of 1

Company: EPS Inc.		Address: 1050 Crown Pointe Pkwy Suite 550 Atlanta GA 30338		Project Name: Grantville Mill						Project Number: _____									
Phone: (404) 315-9113		Fax: _____		Site Address: Grantville, GA															
SAMPLING INFORMATION																			
Sampled by: Melissa Spitzmuller		Signature: <i>Melissa Spitzmuller</i>		Sample Start								Sample Stop							
#	Sample ID	Canister Serial #	Flow Controller ID#	Canister Cert. ID#	Date	Time (24hr)	Canister Pressure in Field ("Hg)	Flow Control Readout (mL/min)	Temperature		Date	Time (24hr)	Canister Pressure in Field ("Hg)	Flow Control Readout (mL/min)	Temperature				
									Interior (°F)	Ambient (°F)					Interior (°F)	Ambient (°F)			
1	16335-IA-3	17455	03354 01176	233405	11/29/16	1653	-30	24hr	70	66	11/30/16	1650	~0	24hr	70	70			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
Date Shipped Out From Lab:								Field Notes: indoor air											
Date Received Back To Lab:																			
Weather Conditions																			
Ambient Temp Avg: 65°F																			
Ambient Temp High/Low: 74°F / 50°F																			
Indoor Air Temp Avg: 70°F																			
Barometric Pressure:																			
Wind Speed/Direction: very windy																			
Other: storms in the area, heavy rain																			

Calibration Report

Calibration Run Details

Serial Number: 03359
 Date: Friday, November 11, 2016
 Start Time: 12:24:34 PM
 Stop Time: 12:26:56 PM
 Duration: 2 min 22 sec

Method Parameters

Canister Size: 6000cc
 Target Vacuum: 3 inHg
 Time to Fill: 24 hours
 Target Flow Rate: 3.8 cc/min

Calibration Parameters

Atmosphere: 14.7 psia
 Elevation: 0 feet
 Ballast: No Ballast
 Micro-QT™: No MicroQT™ valve

Sampling Parameters

Atmosphere: 14.7 psia
 Elevation: 0 feet
 Temperature: 25 Celsius

Calibration Step Details

Leak Check

Start Time	Stop Time	Duration	Pass	Psid
12:00:00 AM	12:00:00 AM	0 min 0 sec	False	0.00

Calibration

Start Time	Stop Time	Duration	Steps Moved	Initial Flow	Final Flow	Restrictor #
12:24:35 PM	12:25:35 PM	1 min 0 sec	211	4 cc/min	3.8 cc/min	#4

Verification

Start Time	Stop Time	Duration	Flow Pass	Avg. Flow Rate	Restrictor Class
12:25:35 PM	12:00:00 AM	0 min 0 sec	True	3.8 cc/min	N/A
			Decay Pass	Decay Drop Off	Fail Reason
			True	2.1	N/A

Client: Environmental Planning Specialists, Inc.
Project: Grantville Mill
Lab ID: 1612257

Case Narrative

Sample Receiving Nonconformance:

Sample for Work Order 1612257 was not labeled, but logged in for TO-15 analysis by matching the received canister serial number to the Chain of Custody (COC).

Analytical Environmental Services, Inc

TO-15 Report

Date: 8-Dec-16

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1612257-001

Client Sample ID: 16335-IA-3
Collection Date: 11/30/2016 4:50:00 PM
Matrix: Air

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Toxic Organic Compounds in Air by GCMS TO-15								
1,1,1-Trichloroethane	BRL	1.1		ug/m3	234300	2	12/05/2016 15:58	MD
1,1,2,2-Tetrachloroethane	BRL	1.4		ug/m3	234300	2	12/05/2016 15:58	MD
1,1,2-Trichloroethane	BRL	1.1		ug/m3	234300	2	12/05/2016 15:58	MD
1,1-Dichloroethane	BRL	0.81		ug/m3	234300	2	12/05/2016 15:58	MD
1,1-Dichloroethene	BRL	0.79		ug/m3	234300	2	12/05/2016 15:58	MD
1,2,4-Trichlorobenzene	BRL	1.5		ug/m3	234300	2	12/05/2016 15:58	MD
1,2,4-Trimethylbenzene	BRL	0.98		ug/m3	234300	2	12/05/2016 15:58	MD
1,2-Dibromoethane	BRL	1.5		ug/m3	234300	2	12/05/2016 15:58	MD
1,2-Dichlorobenzene	BRL	1.2		ug/m3	234300	2	12/05/2016 15:58	MD
1,2-Dichloroethane	BRL	0.81		ug/m3	234300	2	12/05/2016 15:58	MD
1,2-Dichloropropane	BRL	0.92		ug/m3	234300	2	12/05/2016 15:58	MD
1,3,5-Trimethylbenzene	BRL	0.98		ug/m3	234300	2	12/05/2016 15:58	MD
1,3-Butadiene	BRL	0.44		ug/m3	234300	2	12/05/2016 15:58	MD
1,3-Dichlorobenzene	BRL	1.2		ug/m3	234300	2	12/05/2016 15:58	MD
1,4-Dichlorobenzene	BRL	1.2		ug/m3	234300	2	12/05/2016 15:58	MD
1,4-Dioxane	BRL	0.72		ug/m3	234300	2	12/05/2016 15:58	MD
2,2,4-Trimethylpentane	BRL	0.93		ug/m3	234300	2	12/05/2016 15:58	MD
2-Butanone	1.8	0.59		ug/m3	234300	2	12/05/2016 15:58	MD
2-Hexanone	BRL	0.82		ug/m3	234300	2	12/05/2016 15:58	MD
4-Ethyltoluene	BRL	0.98		ug/m3	234300	2	12/05/2016 15:58	MD
4-Methyl-2-pentanone	BRL	0.82		ug/m3	234300	2	12/05/2016 15:58	MD
Acetone	16	0.48		ug/m3	234300	2	12/05/2016 15:58	MD
Allyl chloride	BRL	0.63		ug/m3	234300	2	12/05/2016 15:58	MD
Benzene	0.83	0.64		ug/m3	234300	2	12/05/2016 15:58	MD
Benzyl chloride	BRL	1.0		ug/m3	234300	2	12/05/2016 15:58	MD
Bromodichloromethane	BRL	1.3		ug/m3	234300	2	12/05/2016 15:58	MD
Bromoform	BRL	2.1		ug/m3	234300	2	12/05/2016 15:58	MD
Bromomethane	BRL	0.78		ug/m3	234300	2	12/05/2016 15:58	MD
Carbon disulfide	BRL	0.62		ug/m3	234300	2	12/05/2016 15:58	MD
Carbon tetrachloride	BRL	1.3		ug/m3	234300	2	12/05/2016 15:58	MD
Chlorobenzene	BRL	0.92		ug/m3	234300	2	12/05/2016 15:58	MD
Chloroethane	BRL	0.53		ug/m3	234300	2	12/05/2016 15:58	MD
Chloroform	BRL	0.98		ug/m3	234300	2	12/05/2016 15:58	MD
Chloromethane	1.6	0.41		ug/m3	234300	2	12/05/2016 15:58	MD
cis-1,2-Dichloroethene	BRL	0.79		ug/m3	234300	2	12/05/2016 15:58	MD
cis-1,3-Dichloropropene	BRL	0.91		ug/m3	234300	2	12/05/2016 15:58	MD
Cyclohexane	BRL	0.69		ug/m3	234300	2	12/05/2016 15:58	MD
Dibromochloromethane	BRL	1.7		ug/m3	234300	2	12/05/2016 15:58	MD
Dichlorodifluoromethane	BRL	0.99		ug/m3	234300	2	12/05/2016 15:58	MD
Ethyl acetate	7.8	0.72		ug/m3	234300	2	12/05/2016 15:58	MD
Ethylbenzene	BRL	0.87		ug/m3	234300	2	12/05/2016 15:58	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Lab ID: 1612257-001

Client Sample ID: 16335-IA-3
Collection Date: 11/30/2016 4:50:00 PM
Matrix: Air

Analyses	Result	Reporting Limit	Qual	Units	BatchID	Dilution Factor	Date Analyzed	Analyst
Toxic Organic Compounds in Air by GCMS		TO-15						
Freon-113	BRL	1.5		ug/m3	234300	2	12/05/2016 15:58	MD
Freon-114	BRL	1.4		ug/m3	234300	2	12/05/2016 15:58	MD
Hexachlorobutadiene	BRL	2.1		ug/m3	234300	2	12/05/2016 15:58	MD
Isopropyl alcohol	5.7	3.7		ug/m3	234300	2	12/05/2016 15:58	MD
m,p-Xylene	BRL	1.7		ug/m3	234300	2	12/05/2016 15:58	MD
Methyl tert-butyl ether	BRL	0.72		ug/m3	234300	2	12/05/2016 15:58	MD
Methylene chloride	BRL	0.69		ug/m3	234300	2	12/05/2016 15:58	MD
n-Heptane	BRL	0.82		ug/m3	234300	2	12/05/2016 15:58	MD
n-Hexane	BRL	0.70		ug/m3	234300	2	12/05/2016 15:58	MD
o-Xylene	BRL	0.87		ug/m3	234300	2	12/05/2016 15:58	MD
Propene	2.9	0.34		ug/m3	234300	2	12/05/2016 15:58	MD
Styrene	BRL	0.85		ug/m3	234300	2	12/05/2016 15:58	MD
Tetrachloroethene	BRL	1.4		ug/m3	234300	2	12/05/2016 15:58	MD
Tetrahydrofuran	BRL	0.59		ug/m3	234300	2	12/05/2016 15:58	MD
Toluene	1.7	0.75		ug/m3	234300	2	12/05/2016 15:58	MD
trans-1,2-Dichloroethene	BRL	0.79		ug/m3	234300	2	12/05/2016 15:58	MD
trans-1,3-Dichloropropene	BRL	0.91		ug/m3	234300	2	12/05/2016 15:58	MD
Trichloroethene	BRL	1.1		ug/m3	234300	2	12/05/2016 15:58	MD
Trichlorofluoromethane	BRL	1.1		ug/m3	234300	2	12/05/2016 15:58	MD
Vinyl acetate	BRL	0.70		ug/m3	234300	2	12/05/2016 15:58	MD
Vinyl bromide	BRL	0.87		ug/m3	234300	2	12/05/2016 15:58	MD
Vinyl chloride	BRL	0.51		ug/m3	234300	2	12/05/2016 15:58	MD
Xylenes, Total	BRL	2.6		ug/m3	234300	2	12/05/2016 15:58	MD
Surr: 4-Bromofluorobenzene	94.5	70-130		%REC	234300	2	12/05/2016 15:58	MD

Qualifiers:

- * Value exceeds maximum contaminant level
- BRL Below reporting limit
- H Holding times for preparation or analysis exceeded
- N Analyte not NELAC certified
- B Analyte detected in the associated method blank
- > Greater than Result value

- E Estimated (value above quantitation range)
- S Spike Recovery outside limits due to matrix
- Narr See case narrative
- NC Not confirmed
- < Less than Result value
- J Estimated value detected below Reporting Limit

Analytical Environmental Services, Inc.

Sample Receipt Checklist for Air Canisters

Client EPS Work Order Number 1612257

Checklist completed by pasmesnd 12/9/16
Signature Date

Carrier name: FedEx ☐ UPS ☐ Courier ☐ Client ☐ US Mail ☐ Other ☐

Shipping container in good condition? Yes ☒ No ☐ Not Present ☐
Custody seals intact on shipping container? Yes ☐ No ☐ Not Present ☒
Chain of custody present? Yes ☒ No ☐
Chain of custody signed when relinquished and received? Yes ☒ No ☐
Chain of custody agrees with sample labels? Yes ☐ No ☒
Field data sheets present? Yes ☒ No ☐
Sample containers intact? Yes ☒ No ☐

If no, explain: _____

All samples received within holding time? Yes ☒ No ☐
Was TAT marked on the COC? Yes ☒ No ☐
Proceed with Standard TAT as per project history? Yes ☐ No ☐ Not Applicable ☒
All canisters received per Bottle Order issued? Yes ☒ No ☐

See Case Narrative for resolution of the Non-Conformance.

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1612257

ANALYTICAL QC SUMMARY REPORT**BatchID: 234300**

Sample ID: MB-234300	Client ID:					Units: ug/m3	Prep Date: 12/05/2016	Run No: 331557			
SampleType: MBLK	TestCode: Toxic Organic Compounds in Air by GCMS TO-15					BatchID: 234300	Analysis Date: 12/05/2016	Seq No: 7216889			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	BRL	1.1
1,1,2,2-Tetrachloroethane	BRL	1.4
1,1,2-Trichloroethane	BRL	1.1
1,1-Dichloroethane	BRL	0.81
1,1-Dichloroethene	BRL	0.79
1,2,4-Trichlorobenzene	BRL	1.5
1,2,4-Trimethylbenzene	BRL	0.98
1,2-Dibromoethane	BRL	1.5
1,2-Dichlorobenzene	BRL	1.2
1,2-Dichloroethane	BRL	0.81
1,2-Dichloropropane	BRL	0.92
1,3,5-Trimethylbenzene	BRL	0.98
1,3-Butadiene	BRL	0.44
1,3-Dichlorobenzene	BRL	1.2
1,4-Dichlorobenzene	BRL	1.2
1,4-Dioxane	BRL	0.72
2,2,4-Trimethylpentane	BRL	0.93
2-Butanone	BRL	0.59
2-Hexanone	BRL	0.82
4-Ethyltoluene	BRL	0.98
4-Methyl-2-pentanone	BRL	0.82
Acetone	BRL	2.4
Allyl chloride	BRL	0.63
Benzene	BRL	0.64
Benzyl chloride	BRL	1.0
Bromodichloromethane	BRL	1.3
Bromoform	BRL	2.1

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1612257

ANALYTICAL QC SUMMARY REPORT**BatchID: 234300**

Sample ID: MB-234300	Client ID:	Units: ug/m3				Prep Date: 12/05/2016	Run No: 331557				
SampleType: MBLK	TestCode: Toxic Organic Compounds in Air by GCMS TO-15	BatchID: 234300				Analysis Date: 12/05/2016	Seq No: 7216889				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Bromomethane	BRL	0.78									
Carbon disulfide	BRL	0.62									
Carbon tetrachloride	BRL	1.3									
Chlorobenzene	BRL	0.92									
Chloroethane	BRL	0.53									
Chloroform	BRL	0.98									
Chloromethane	BRL	0.41									
cis-1,2-Dichloroethene	BRL	0.79									
cis-1,3-Dichloropropene	BRL	0.91									
Cyclohexane	BRL	0.69									
Dibromochloromethane	BRL	1.7									
Dichlorodifluoromethane	BRL	0.99									
Ethyl acetate	BRL	0.72									
Ethylbenzene	BRL	0.87									
Freon-113	BRL	1.5									
Freon-114	BRL	1.4									
Hexachlorobutadiene	BRL	2.1									
Isopropyl alcohol	BRL	3.7									
m,p-Xylene	BRL	1.7									
Methyl tert-butyl ether	BRL	0.72									
Methylene chloride	BRL	0.69									
n-Heptane	BRL	0.82									
n-Hexane	BRL	0.70									
o-Xylene	BRL	0.87									
Propene	BRL	0.34									
Styrene	BRL	0.85									
Tetrachloroethene	BRL	1.4									

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1612257

ANALYTICAL QC SUMMARY REPORT**BatchID: 234300**

Sample ID: MB-234300	Client ID:	Units: ug/m3				Prep Date: 12/05/2016	Run No: 331557				
SampleType: MBLK	TestCode: Toxic Organic Compounds in Air by GCMS TO-15	BatchID: 234300				Analysis Date: 12/05/2016	Seq No: 7216889				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Tetrahydrofuran	BRL	0.59									
Toluene	BRL	0.75									
trans-1,2-Dichloroethene	BRL	0.79									
trans-1,3-Dichloropropene	BRL	0.91									
Trichloroethene	BRL	1.1									
Trichlorofluoromethane	BRL	1.1									
Vinyl acetate	BRL	0.70									
Vinyl bromide	BRL	0.87									
Vinyl chloride	BRL	0.51									
Xylenes, Total	BRL	2.6									
Surr: 4-Bromofluorobenzene	3.710	0	4.000		92.8	70	130				

Sample ID: LCS-234300	Client ID:	Units: ug/m3				Prep Date: 12/05/2016	Run No: 331557				
SampleType: LCS	TestCode: Toxic Organic Compounds in Air by GCMS TO-15	BatchID: 234300				Analysis Date: 12/05/2016	Seq No: 7216896				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

1,1,1-Trichloroethane	20.13	1.1	21.82		92.2	70	130				
1,1,2,2-Tetrachloroethane	25.20	1.4	27.47		91.8	70	130				
1,1,2-Trichloroethane	19.91	1.1	21.82		91.2	70	130				
1,1-Dichloroethane	14.57	0.81	16.19		90.0	70	130				
1,1-Dichloroethene	15.19	0.79	15.86		95.8	70	130				
1,2,4-Trichlorobenzene	23.38	1.5	29.69		78.8	70	130				
1,2,4-Trimethylbenzene	18.09	0.98	19.66		92.0	70	130				
1,2-Dibromoethane	26.97	1.5	30.74		87.8	70	130				
1,2-Dichlorobenzene	21.70	1.2	24.05		90.2	70	130				
1,2-Dichloroethane	14.81	0.81	16.19		91.5	70	130				
1,2-Dichloropropane	17.10	0.92	18.49		92.5	70	130				
1,3,5-Trimethylbenzene	17.99	0.98	19.66		91.5	70	130				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1612257

ANALYTICAL QC SUMMARY REPORT**BatchID: 234300**

Sample ID: LCS-234300	Client ID:	Units: ug/m3				Prep Date: 12/05/2016	Run No: 331557				
SampleType: LCS	TestCode: Toxic Organic Compounds in Air by GCMS TO-15	BatchID: 234300				Analysis Date: 12/05/2016	Seq No: 7216896				
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,3-Butadiene	8.606	0.44	8.849		97.2	70	130				
1,3-Dichlorobenzene	21.70	1.2	24.05		90.2	70	130				
1,4-Dichlorobenzene	23.03	1.2	24.05		95.8	70	130				
1,4-Dioxane	13.08	0.72	14.42		90.8	70	130				
2,2,4-Trimethylpentane	18.22	0.93	18.68		97.5	70	130				
2-Butanone	10.79	0.59	11.80		91.5	70	130				
2-Hexanone	15.20	0.82	16.39		92.8	70	130				
4-Ethyltoluene	16.96	0.98	19.66		86.2	70	130				
4-Methyl-2-pentanone	16.11	0.82	16.39		98.2	70	130				
Acetone	9.763	2.4	9.502		103	70	130				
Allyl chloride	11.77	0.63	12.52		94.0	70	130				
Benzene	11.82	0.64	12.78		92.5	70	130				
Benzyl chloride	22.89	1.0	20.71		110	70	130				
Bromodichloromethane	25.59	1.3	26.80		95.5	70	130				
Bromoform	37.84	2.1	41.36		91.5	70	130				
Bromomethane	15.34	0.78	15.53		98.8	70	130				
Carbon disulfide	12.89	0.62	12.46		104	70	130				
Carbon tetrachloride	24.78	1.3	25.16		98.5	70	130				
Chlorobenzene	16.35	0.92	18.42		88.8	70	130				
Chloroethane	10.03	0.53	10.56		95.0	70	130				
Chloroform	18.07	0.98	19.53		92.5	70	130				
Chloromethane	7.579	0.41	8.260		91.8	70	130				
cis-1,2-Dichloroethene	14.23	0.79	15.86		89.8	70	130				
cis-1,3-Dichloropropene	16.93	0.91	18.16		93.2	70	130				
Cyclohexane	13.84	0.69	13.77		100	70	130				
Dibromochloromethane	31.27	1.7	34.08		91.8	70	130				
Dichlorodifluoromethane	19.38	0.99	19.78		98.0	70	130				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1612257

ANALYTICAL QC SUMMARY REPORT**BatchID: 234300**

Sample ID: LCS-234300	Client ID:					Units: ug/m3	Prep Date: 12/05/2016	Run No: 331557			
SampleType: LCS	TestCode: Toxic Organic Compounds in Air by GCMS TO-15					BatchID: 234300	Analysis Date: 12/05/2016	Seq No: 7216896			
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
Ethyl acetate	13.66	0.72	14.41		94.8	70	130				
Ethylbenzene	16.24	0.87	17.37		93.5	70	130				
Freon-113	30.20	1.5	30.66		98.5	70	130				
Freon-114	27.40	1.4	27.96		98.0	70	130				
Hexachlorobutadiene	36.16	2.1	42.67		84.8	70	130				
Isopropyl alcohol	8.923	3.7	9.832		90.8	70	130				
m,p-Xylene	33.40	1.7	34.75		96.1	70	130				
Methyl tert-butyl ether	12.98	0.72	14.42		90.0	70	130				
Methylene chloride	13.06	0.69	13.90		94.0	70	130				
n-Heptane	16.31	0.82	16.39		99.5	70	130				
n-Hexane	13.60	0.70	14.10		96.5	70	130				
o-Xylene	17.03	0.87	17.37		98.0	70	130				
Propene	6.041	0.34	6.884		87.8	70	130				
Styrene	16.43	0.85	17.03		96.5	70	130				
Tetrachloroethene	22.85	1.4	27.12		84.2	70	130				
Tetrahydrofuran	11.15	0.59	11.80		94.5	70	130				
Toluene	13.76	0.75	15.07		91.2	70	130				
trans-1,2-Dichloroethene	12.57	0.79	15.86		79.2	70	130				
trans-1,3-Dichloropropene	17.30	0.91	18.16		95.2	70	130				
Trichloroethene	20.05	1.1	21.50		93.2	70	130				
Trichlorofluoromethane	22.09	1.1	22.48		98.2	70	130				
Vinyl acetate	13.34	0.70	14.08		94.8	70	130				
Vinyl bromide	17.44	0.87	17.49		99.8	70	130				
Vinyl chloride	10.07	0.51	10.22		98.5	70	130				
Xylenes, Total	50.43	2.6	52.12		96.8	70	130				
Surr: 4-Bromofluorobenzene	4.190	0	4.000		105	70	130				

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1612257

ANALYTICAL QC SUMMARY REPORT**BatchID: 234300**

Sample ID: 1612257-001ADUP	Client ID: 16335-IA-3	Units: ug/m3	Prep Date: 12/05/2016	Run No: 331557
SampleType: DUP	TestCode: Toxic Organic Compounds in Air by GCMS TO-15	BatchID: 234300	Analysis Date: 12/05/2016	Seq No: 7216894

Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	BRL	1.1						0	0	25	
1,1,2,2-Tetrachloroethane	BRL	1.4						0	0	25	
1,1,2-Trichloroethane	BRL	1.1						0	0	25	
1,1-Dichloroethane	BRL	0.81						0	0	25	
1,1-Dichloroethene	BRL	0.79						0	0	25	
1,2,4-Trichlorobenzene	BRL	1.5						0	0	25	
1,2,4-Trimethylbenzene	BRL	0.98						0	0	25	
1,2-Dibromoethane	BRL	1.5						0	0	25	
1,2-Dichlorobenzene	BRL	1.2						0	0	25	
1,2-Dichloroethane	BRL	0.81						0	0	25	
1,2-Dichloropropane	BRL	0.92						0	0	25	
1,3,5-Trimethylbenzene	BRL	0.98						0	0	25	
1,3-Butadiene	BRL	0.44						0	0	25	
1,3-Dichlorobenzene	BRL	1.2						0	0	25	
1,4-Dichlorobenzene	BRL	1.2						0	0	25	
1,4-Dioxane	BRL	0.72						0	0	25	
2,2,4-Trimethylpentane	BRL	0.93						0	0	25	
2-Butanone	1.799	0.59						1.799	0	25	
2-Hexanone	BRL	0.82						0	0	25	
4-Ethyltoluene	BRL	0.98						0	0	25	
4-Methyl-2-pentanone	BRL	0.82						0	0	25	
Acetone	15.70	2.4						15.82	0.754	25	
Allyl chloride	BRL	0.63						0	0	25	
Benzene	0.7987	0.64						0.8306	3.92	25	
Benzyl chloride	BRL	1.0						0	0	25	
Bromodichloromethane	BRL	1.3						0	0	25	
Bromoform	BRL	2.1						0	0	25	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
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	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
	Rpt Lim	Reporting Limit	S	Spike Recovery outside limits due to matrix		

Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
Workorder: 1612257

ANALYTICAL QC SUMMARY REPORT**BatchID: 234300**

Sample ID: 1612257-001ADUP	Client ID: 16335-IA-3	Units: ug/m3			Prep Date: 12/05/2016	Run No: 331557					
SampleType: DUP	TestCode: Toxic Organic Compounds in Air by GCMS TO-15	BatchID: 234300			Analysis Date: 12/05/2016	Seq No: 7216894					
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Bromomethane	BRL	0.78						0	0	25	
Carbon disulfide	BRL	0.62						0	0	25	
Carbon tetrachloride	BRL	1.3						0.5661	0	25	
Chlorobenzene	BRL	0.92						0	0	25	
Chloroethane	BRL	0.53						0	0	25	
Chloroform	BRL	0.98						0.6348	0	25	
Chloromethane	1.507	0.41						1.590	5.33	25	
cis-1,2-Dichloroethene	BRL	0.79						0	0	25	
cis-1,3-Dichloropropene	BRL	0.91						0	0	25	
Cyclohexane	BRL	0.69						0	0	25	
Dibromochloromethane	BRL	1.7						0	0	25	
Dichlorodifluoromethane	BRL	0.99						0	0	25	
Ethyl acetate	7.819	0.72						7.819	0	25	
Ethylbenzene	BRL	0.87						0.1737	0	25	
Freon-113	BRL	1.5						0.5365	0	25	
Freon-114	BRL	1.4						0	0	25	
Hexachlorobutadiene	BRL	2.1						0	0	25	
Isopropyl alcohol	6.391	3.7						5.678	11.8	25	
m,p-Xylene	BRL	1.7						0.4778	0	25	
Methyl tert-butyl ether	BRL	0.72						0	0	25	
Methylene chloride	BRL	0.69						0.4516	0	25	
n-Heptane	BRL	0.82						0	0	25	
n-Hexane	BRL	0.70						0	0	25	
o-Xylene	BRL	0.87						0.1737	0	25	
Propene	2.909	0.34						2.926	0.590	25	
Styrene	BRL	0.85						0.2980	0	25	
Tetrachloroethene	BRL	1.4						0	0	25	

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Client: Environmental Planning Specialists, Inc.
Project Name: Grantville Mill
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ANALYTICAL QC SUMMARY REPORT

BatchID: 234300

Sample ID: 1612257-001ADUP	Client ID: 16335-IA-3	Units: ug/m3	Prep Date: 12/05/2016	Run No: 331557							
SampleType: DUP	TestCode: Toxic Organic Compounds in Air by GCMS TO-15	BatchID: 234300	Analysis Date: 12/05/2016	Seq No: 7216894							
Analyte	Result	RPT Limit	SPK value	SPK Ref Val	%REC	Low Limit	High Limit	RPD Ref Val	%RPD	RPD Limit	Qual

Tetrahydrofuran	BRL	0.59						0	0	25	
Toluene	1.696	0.75						1.658	2.25	25	
trans-1,2-Dichloroethene	BRL	0.79						0	0	25	
trans-1,3-Dichloropropene	BRL	0.91						0	0	25	
Trichloroethene	BRL	1.1						0	0	25	
Trichlorofluoromethane	BRL	1.1						1.068	0	25	
Vinyl acetate	BRL	0.70						0	0	25	
Vinyl bromide	BRL	0.87						0	0	25	
Vinyl chloride	BRL	0.51						0	0	25	
Xylenes, Total	BRL	2.6						0.6515	0	25	
Surr: 4-Bromofluorobenzene	3.840	0	4.000		96.0	70	130	3.780	0	0	

Qualifiers:	>	Greater than Result value	<	Less than Result value	B	Analyte detected in the associated method blank
	BRL	Below reporting limit	E	Estimated (value above quantitation range)	H	Holding times for preparation or analysis exceeded
	J	Estimated value detected below Reporting Limit	N	Analyte not NELAC certified	R	RPD outside limits due to matrix
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