GM COMPONENTS HOLDINGDS, LLC
200 UPPER MOUNTAIN ROAD
LOCKPORT, NEW YORK
BUILDING 10
2011 – 2013 SVE/SSD OPERATION & MONITORING REPORT

PREPARED FOR:
New York State Department of Environmental Conservation

PREPARED BY:
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Buffalo, New York

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TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

1.0 INTRODUCTION AND BACKGROUND

On behalf of GM Components Holdings, LLC (GMCH), GZA GeoEnvironmental of New York (GZA) has prepared this Soil Vapor Extraction (SVE) and Sub-slab Depressurization (SSD) System Operation and Monitoring Report to summarize the extraction and treatment of soil vapor from beneath a portion of Building 10 (Figure 1). Building 10 is part of the GMCH Lockport Facility located at 200 Upper Mountain Road, Lockport, New York. Building 10 (Site ID #C932140) was accepted into the Brownfield Cleanup Program in May 2010, when NYSDEC issued and executed a Brownfield Cleanup Agreement with GMCH.

The SVE/SSD System was installed in the northern portion of Building 10 by Delphi Harrison Thermal Systems Division of Delphi Automotive Systems LLC (Delphi) to address concerns related to soil impacts and consequent vapor intrusion concerns associated with subsurface contamination, primarily tetrachloroethene (PCE) identified in the Building 10 Focused Environmental Assessment[1] (Bldg 10 FEA). This report was submitted by Delphi to the New York State Department of Environmental Conservation (NYSDEC) in August 2007.

The SVE/SSD System was designed and installed based on the SVE Pilot Test Summary and SVE System Design Report[2] (SVE Design Report), which was also submitted by Delphi to NYSDEC in November 2007.

Delphi initiated operation of the SVE/SSD system in March 2009 and submitted a SVE/SSD System Installation Document[3] in July 2009. GMCH submitted an Operation, Maintenance & Monitoring (OM&M) Plan[4] to NYSDEC in March 2010 which was approved by NYSDEC in a September 20, 2010 letter to Mr. James Hartnett (GMCH). This SVE/SSD System Operation Report, which will be referred to as the "2011 - 2013 Operation & Monitoring Report," covers the monitoring period from May 2011 through December 2013 and provides monitoring data, SVE operational information, conclusions regarding overall system effectiveness, and recommendations for modifications to the SVE/SSD system, as appropriate.

1.1 NATURE AND EXTENT OF SUBSURFACE CONTAMINATION

The subsurface investigation work completed as part of the Bldg. 10 FEA and SVE Design Report identified an approximately 14,000 square-foot area with detected PCE concentrations in soil above 300 ppm (the Part 375 Industrial Soil Cleanup Objective (ISCO)) as shown on Figure 2. Based on the impacted area having an average PCE concentration in the soil (360 ppm), and the depth of the unsaturated zone (about 6.5 feet below floor grade), it was estimated that approximately 3,600 pounds of PCE were present prior to system start-up in this unsaturated

[1] "Focused Environmental Assessment, Building 10, Lockport, New York" dated August 27, 2007.
[2] "Soil Vapor Extraction (SVE) Pilot Test Summary and SVE System Design Report, Delphi Automotive, Northern Portion of Building 10, Lockport Complex, 200 upper Mountain Road, Lockport, New York" dated November 2007.
[3] "SVE/SSD System, Installation Document, Delphi Automotive, Lockport, New York" dated July 2009.
[4] "Operation, Maintenance & Monitoring Plan, SVE/SSD System, GM Components Holdings, LLC, Lockport, New York" dated March 2010.

zone to be treated (see Appendix A for calculations). This mass determination of PCE is used in the effectiveness evaluation of the SVE/SSD System presented in Section 4.0 of this report.

We note that during the Remedial Investigation (RI) completed in December 2010, six (6) additional soil samples were collected from throughout the 14,000 square-foot area with detected PCE concentrations above soil cleanup objectives (see Figure 2). The average PCE concentration detected in these six (6) samples is approximately 300 ppm and the recalculation of the average concentration using the 23 samples collected from this area is 340 ppm (a difference of about 5%). Therefore, the initial mass (3,600 pounds) and average PCE concentration (360 ppm) in soil will be used in the effectiveness evaluation for consistency purposes.

2.0 SOIL VAPOR EXTRACTION/SUBSLAB DEPRESSURIZATION SYSTEM

This section provides a general description of the SVE/SSD system and adjustments made during the reporting period.

2.1 SVE/SSD SYSTEM OVERVIEW

There are two subsurface components to the SVE/SSD system operating in Building 10: a vertical well SVE system and a horizontal perforated pipe SSD system (see Figure 2).

- The vertical well SVE system consists of seventeen (17) 4-inch diameter vertical extraction wells (see Figure 2). The 17 extraction wells were installed using rotary drilling methods and are constructed of 4-inch diameter flush coupled polyvinyl chloride (PVC) riser and screen. Depth of the wells ranges from about 5.5 to 7 feet below ground surface (bgs) with the screened portion of the wells ranging from about 3.5 to 5 feet in length and consisting of #10 (0.010-inch wide) machine slotted PVC pipe. The annulus space around the well screen was backfilled with a #00 sand pack and an approximate 2-foot thick layer of bentonite was placed above the sand filter. Three trenches were excavated to an approximate depth of 2 feet bgs through the concrete slab-on-grade, subbase and soil for installation of the piping that connects the extraction wells to the manifold located within the SVE shed. The trenches were backfilled with pea stone to approximately 6 to 8 inches below the concrete slab.

- The horizontal SSD piping was installed in the upper portion of the pea stone in the SVE manifold trenches. The subsurface SSD system piping consists of 2-inch diameter #10 machine slotted PVC well screen lengths, connected with PVC couplers, and covered with a fabric sleeve. The three lengths, called sub-slab (SS) legs 1, 2 and 3 are connected to the manifold inside the SVE shed via 1.5-inch diameter HDPE piping, as shown on Figure 3.

The trenches were topped with approximately 6 inches of compacted crushed stone and covered with concrete to meet the existing slab-on-grade. Cracks and seams in the existing concrete floor were filled using a self-leveling polyurethane caulk.

Additional SVE/SSD system construction details are provided in the Installation Document referenced above. The system is designed to operate continuously at a consistent vacuum pressure and flow rate to remove soil vapor from the impacted area.

The SVE/SSD System's main aboveground components consist of a moisture separator, air filter, positive displacement blower, heat exchanger and two vapor-phase granular activated carbon (GAC) vessels each containing approximately 1,800 pounds of granular activated carbon. The entire system is skid mounted, with vacuum, temperature, pressure and flow instrumentation, and is operated through a control panel. Figure 3 shows the process and instrumentation diagram for the SVE/SSD System.

2.2 SVE SYSTEM ADJUSTMENTS

No significant SVE system adjustments were made during the reporting period. We note that the variable speed drive (VSD) malfunctioned on December 17, 2012 and was therefore replaced on February 1, 2013.

3.0 OPERATION AND MONITORING

This section discusses the operation and monitoring activities performed for the SVE/SSD system during the current reporting period. The system startup began under Delphi on March 2, 2009. The system has generally been running continuously since March 3, 2009. We note that during the current reporting period, the SVE/SSD system was not in operation from December 17, 2012 through February 1, 2013 when the VFD malfunctioned and subsequently replaced. Table 1 is a breakdown of the monitoring activities completed.

A GZA operator monitored the SVE/SSD system generally on a monthly basis from May 2011 through December 2013 and routine monitoring forms were used to document operation and monitoring events (see Appendix B). We note that the monthly monitoring for the months of October 2011, December 2011, February 2012, March 2012 and April 2012 occurred within the first week of the following month (e.g., October 2012 monitoring was completed on November 1, 2012).

In addition to system readings to measure the approximate system flow rates, three types of extracted vapor monitoring samples have been collected by GZA to assess the system performance, operating conditions and contaminant removal rate. The vapor monitoring sample types are as follows.

1. Tedlar® bag samples for field screening (Field Screening Sample);
2. Colorimetric Detector tubes for PCE (Detector Tube); and
3. Tedlar® bag samples for Gas Chromatograph analysis (GC Sample).

Tedlar® bag samples for field screening and GC screening were collected from:

1. Pre-Carbon influent-extracted vapor samples from the system,
2. Mid-Carbon vapor after the first GAC treatment vessel, and
3. Post-Carbon vapor after the second GAC treatment vessel and prior to discharge.

See Table 1 for the SVE/SSD System Monitoring Results Summary.

Field Screening Samples collected by GZA during each monitoring event (see Table 1) were screened for total volatile organics using an organic vapor meter (OVM, Mini Rae 3000) equipped with a photoionization detector (PID) and 10.6 eV lamp[5]. The OVM was calibrated using isobutylene gas with a concentration of 100 parts per million by volume (ppmV). Based on information provided by Rae Systems (the manufacturer of the OVM), isobutylene has a response factor of 1.0, while PCE has a response factor of 0.57[6]. Since PCE is the primary compound of concern, the field screening readings in Table 1 were adjusted to reflect the PCE response factor.

GC Samples were collected during each monitoring event by GZA for screening with a gas chromatograph by Haley & Aldrich at their office in Rochester, New York. The total VOC and PCE concentrations detected for these monitoring events are included on Table 1. The monthly GC screening results are included with the Routine Monitoring Forms in Appendix B.

Detector tube readings were also collected directly from the air stream at specific monitoring points during monthly sampling events as follows:

Pre-Carbon:	January 2012, August 2012 and October 2013
Mid-Carbon:	August 2011, January 2012, July 2012, August 2012, October 2013
Post-Carbon:	August 2011, January 2012

Generally, detector tube readings were collected to make field decisions regarding GAC breakthrough on the first GAC vessel, (e.g., when the field screening results of the Mid-carbon monitoring point were greater than 2 ppm). The OM&M Plan indicates that if detector tube readings for PCE at the Mid-Carbon monitoring location are greater than 2 ppm, then a carbon change-out is required. GAC vessel change-outs occurred in June 2011, January 2012, September 2012 and July 2013.

GZA has evaluated these various screening results collected during the monthly monitoring events to assess the mass of PCE extracted by the SVE/SSD system, as well as the efficiency of the treatment system.

[5] OVM readings were obtained by collecting soil vapor samples in Tedlar® bags. Prior to sampling, the bags were purged with the same soil vapor as was being sampled for analysis using a dedicated Tedlar bag for the respective sampling location.
[6] Rae Systems Inc., Technical Note TN-106 "Correction Factors, Ionization Energies and Calibration Characteristics" Revised December 2007.

For this 2011 - 2013 Operation & Monitoring Report, 29 monitoring events were conducted between May 2011 and December 2013 for which data are available for pre-carbon samples. Generally, the correlation between the field screening samples, GC samples and the pre-carbon detector tube results in this reporting period is within a reasonable range of consistency for lower-level concentrations. There was a discrepancy between the field screening samples and GC samples for three (3) monitoring events for August, September and October 2012. The GC sample screening results for these three (3) events were 2 or 3 times higher than the associated adjusted field screening results and detector tube results. We also note that GC sample screening results generally have not been greater than 10 ppmV other than June, July, August of 2010 when assessing the data since system start-up. Therefore, the pre-carbon adjusted field screening results were used to reflect the estimated concentrations of PCE within the extracted vapor prior to treatment.

The calculated PCE concentrations (average between the monitoring events) were used along with the system average flow rates (average between the monitoring events) and the system operation time to estimate the PCE mass removal between monitoring events (2nd last column of Table 1), the PCE mass removal per day (last column of Table 1) and the total PCE mass removal since the startup (summated total in lower right hand corner of Table 1).

We estimate that approximately 716 pounds of PCE have been removed in this reporting period and a total of 2,375 pounds of PCE have been removed since March 3, 2009 (see Figure 4). This is approximately 66% of the total mass of PCE (3,600 pounds) estimated to have been initially present in the subsurface, as discussed in Section 1.0.

4.0 SYSTEM EVALUATION AND CONCLUSIONS

An evaluation of, and conclusions regarding, SVE/SSD system operation during the reporting period are presented below.

4.1 SYSTEM EVALUATION

Operation and monitoring data collected, as shown on Table 1, indicates that the system has operated as designed. The SVE/SSD system generally operated at steady state condition with an approximate 4" Hg vacuum pressure which yielded a SVE/SSD system average air flow rate of approximately 320 standard cubic feet per minute (SCFM).

Field screening sample results from the OVM were used along with the operating hours and SVE flow rate to assess the PCE mass removal for this monitoring period. We estimate, as shown on Table 1, that approximately 2,375 pounds of PCE has been removed from the subsurface since the start of the system and 716 pounds during the 2011 through 2013 reporting period. The daily PCE removal rates for May 2011 through December 2013 are estimated at less than 1 pound per day.

One GAC vessel, containing approximately 1,800 pounds of GAC, has been sent to Siemens Water Technology Corporation (Siemens) in Rochester, Pennsylvania for reactivation. The

efficiency removal rate of GAC for PCE removal from a dry air stream can be about 10 to 15% by weight. Therefore, the GAC vessels used can each adsorb about 180 to 270 pounds of PCE, before reaching saturation and break-through begins to occur.

4.2 CONCLUSIONS

The SVE/SSD system generally operated on a continuous basis during the reporting period with the exception of December 17, 2012 through February 1, 2013 when the VFD malfunctioned and was subsequently replaced. The system continues to extract soil vapor from the remedial area as a total of 2,375 pounds of PCE (the primary contaminant of concern) have been extracted from the subsurface, from system start up through December 2013. It is estimated that approximately 3,600 pounds of PCE were initially present in the subsurface soil in the remedial zone at system start-up. Therefore, about 66% of the estimated initial PCE mass has been removed.

The mass removal rate since the startup has generally decreased to less than 1 pound per day since March 2011. The cumulative mass of PCE removed versus time, depicted on Figure 4, indicate that asymptotic removal rates have been achieved. Figure 4 also depicts the cumulative mass of PCE removed in pounds for this current reporting period.

As a result, GZA is recommending that the SVE portion of the system be shut down, while continuing to operate the SSD portion of the system to mitigate the potential for vapor intrusion. Since the initial startup of the SVE system, the system was shut down during two time events (September 2010 through November 2010 and December 2012 through January 2013). Upon system restarting after each shut-down event, the influent concentrations and pounds-per-day removal returned to their pre-shut down status.

We note that since the SVE system has been in operation, the groundwater at monitoring well, Bldg 10-MW-1, has been sampled four times. The PCE concentrations detected at this location have shown a same order of magnitude increase in concentration since the monitoring well was first sampled pre-SVE system in 2007.

GMCH requests NYSDEC approve the request to shut-down of the SVE portion of the system and continue to operate the SSD portion of the system.

5.0 PROPOSED 2014 ACTIVITIES

GMCH would like to alter the operation of the SVE/SSD system to be an SSD system only. Once the alteration has occurred and the SSD portion of the system is in operation, indoor air samples will be collected from the perimeter of the system footprint, similar to the SSD systems installed in Buildings 7, 7A and 8 to determine if the system is effective to mitigate the potential for vapor intrusion.

GZA will collect additional monitoring data when the system operation is altered to assess the effect of the changes in conjunction with monitoring of the other SSD systems recently installed at the facility.

6.0 CERTIFICATION

I certify that the following statements are true related to the SVE/SSD system installed in the northern portion of Building 10:

- The operation and monitoring of the SVE/SSD system, to confirm the effectiveness of the SVE/SSD System, was performed under my direction;
- The operation of the SVE/SSD system has generally been consistent from the date of system start-up;
- No significant event, as monitored by GZA, has occurred that would impair the ability of the SVE/SSD System to protect the public health and environment;
- Access to the SVE/SSD system will continue to be provided to NYSDEC (with valid Contractor Safety Orientation Card) to evaluate the SVE/SSD System remedy, including access to evaluate the continued maintenance of this system;
- The SVE/SSD system is performing as designed and is effective;
- To the best of my knowledge and belief, the work and conclusions described in this report are in accordance with generally accepted engineering practices; and
- The information presented in this report is accurate and complete.

I certify[7] that all information and statements in this certification form are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law. I, Bart A. Klettke, P.E., of GZA GeoEnvironmental of New York, am certifying as a GMCH Representative.

Bart A. Klettke
Printed Name

Bart A. Klettke
Signature

April 4, 2014
Date

[7] Certify means to state or declare a professional opinion based on knowledge and facts available to the professional making such certification at the time the certification is made.

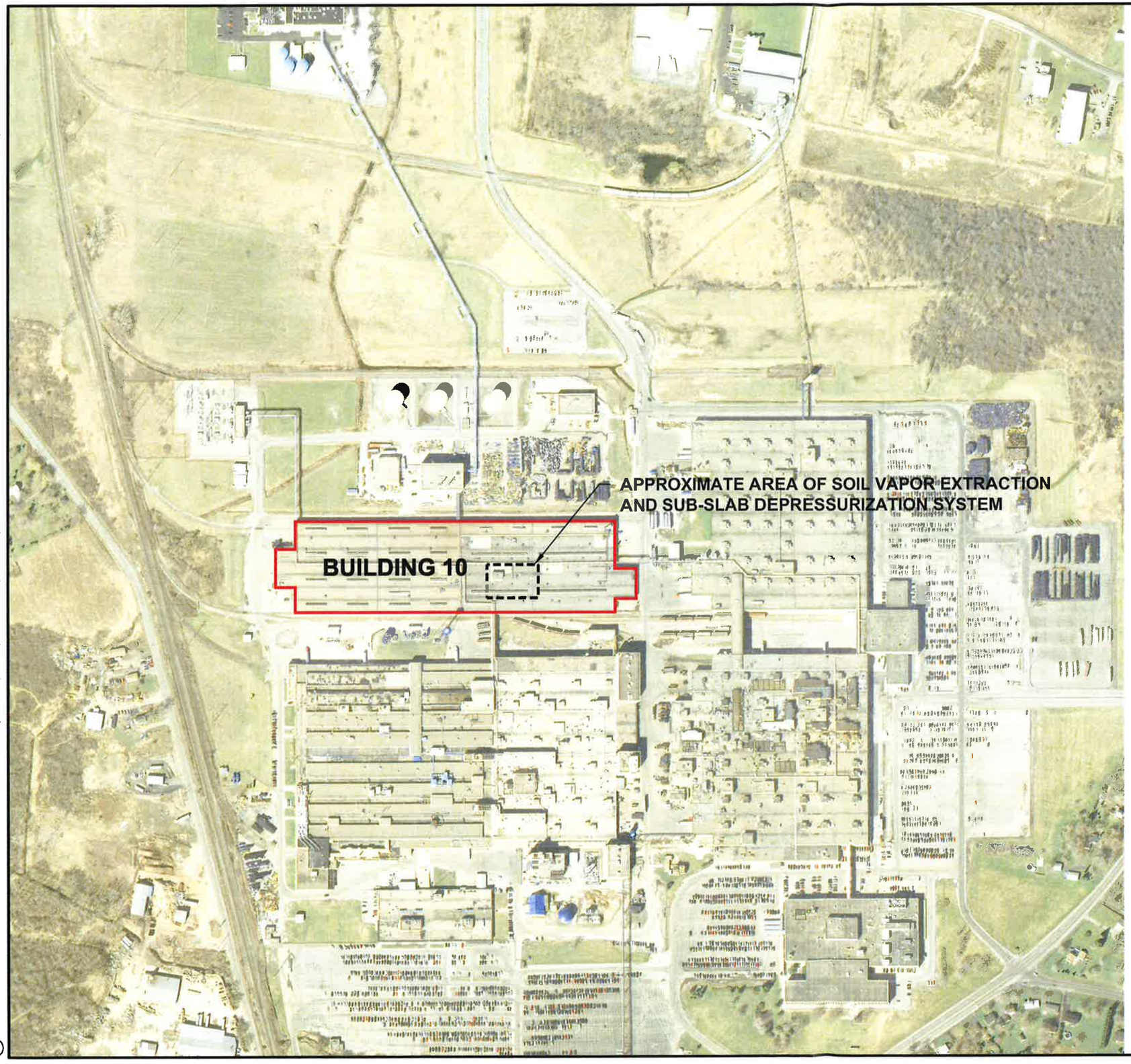
TABLES

TABLE 1
SVE/SSD MONITORING SUMMARY
2011 - 2013 ANNUAL SVE/SSD SYSTEM MONITORING REPORT
BUILDING 10 SVE/SSD SYTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

DATE	RUN TIME	# OF DAYS BETWEEN READINGS	SYSTEM FLOW RATE	OPERATING VACUUM	PRECARBON MONITORING POINT			MID-CARBON MONITORING POINT			POST-CARBON MONITORING POINT			Estimated PCE Concentrations from Field Screening Results	Pound of PCE Removed Since Previous Measurement	PCE Removed in pounds per days
	hours	DAYS	SCFM	in Hg	Adjusted Field Screening Results ppmv	Detector Tube ppm	Total VOCs from Lab Analysis or GC Screen Total VOC / PCE Conc. ppmv	Adjusted Field Screening Results ppmv	Detector Tube ppm	Total VOCs from Lab Analysis or GC Screen Total VOC / PCE Conc. ppmv	Adjusted Field Screening Results ppmv	Detector Tube ppm	Total VOCs from Lab Analysis or GC Screen Total VOC / PCE Conc. ppmv	See Note 1 ppm	See Note 6 pounds	pounds
2009 Report Data																
3/2/2009	4		125	12.5	143									107		
3/3/2009	30	1.1	150	11	855			0.4			0.4			641	**34**	31.4
3/6/2009	98	2.8	280	4.5	257			0.9			0.5			192	**155**	54.6
3/9/2009	168	2.9	300	5	54			0.3			0.3			41	**60**	20.6
3/13/2009	252	3.5	325	4	48	15	2.9 / 1.6 [2]	0.9		1.3 / 0.003 [1]	0.5		1.6 / 0.003 [1]	36	**58**	16.6
3/20/2009	432	7.5	325	3.5	39			1.1			0.6			29	**49**	6.5
3/27/2009	529	4.0	270	8.5	114			1.3			0.3			86	**42**	10.4
4/9/2009	766	9.9	320	2.75	29	19	3.8 / 3.2 [3]	0.6	ND	0.17 / 0.004 [2]	1.1		0.12 / 0.001 [2]	21	**100**	10.1
4/17/2009	958	8.0	315	3	47			0.7			0.5			35	**44**	5.5
4/27/2009	1,203	10.2	330	4.5	23			0.5			0.5			17	**52**	5.1
5/8/2009	1440	9.9	315	5	26			0.6			0.2			20	**36**	3.6
5/29/2009	1,945	21.0	280	3	30			7.4	5.5 [3]		0.4			22	**80**	3.8
6/12/2009	2,280	14.0	350	3	22	25 [4]		0.3			0.2			16	**52**	3.7
6/25/2009	2,594	13.1	330	3	23			0.9			0.5			18	**46**	3.5
7/10/2009	2,953	15.0	340	3.25	33			1.7			0.3			25	**65**	4.3
8/3/2009	3,528	24.0	310	3	19			10.8	15		1.1	0.5		15	**93**	3.9
2/8/2010	8,064	189.0	285	2.5	5	6	11.6 / 7.1	2.9	5	6 / 5.9	0.9	1.25	1.5 1.3	4	**315**	1.7
3/16/2010	8,928	36.0	335	4	6	7	9.8 / 8.0	2.9	7.5	6.7 / 5.6	0.3	ND	0.9 / ND	4	**28**	0.8
4/23/2010	9,840	38.0	310	3	5	7	9.2 / 7.2	2.4	5	6.0 / 5.4	0.3	ND	ND / ND	3	**30**	0.8
2010 Reporting Data													**Pounds of PCE Removed May 2009 through April 2010:**		**1337**	
5/14/2010	10,342	20.9	340	4	10	10	21.7 / 8.7	6.4	8	8.8 / 8.3	0.0	0	1.2 / 0	7	**22**	1.1
6/24/2010	11,330	41.2	320	4	10	20	14.4 / 13.9	0.1	0	1.2 / 0	0.0	0	1.2 / 0	7	**60**	1.5
7/19/2010	11,926	24.8	315	3.5	12	20	19.8 / 16.5	0.0	0	2 / 0.09	0.0	0	No Sample	9	**38**	1.5
8/26/2010	12,835	37.9	300	4	10	15	29.3 / 22.4	5.7	9	20.9 / 11.9	0.0	0	0.2 / 0	8	**59**	1.6
12/16/2010	12,835	112.0	315	4	37	13	25.5 / 23.6	0.0	0	0 / 0	0.0	0	0 / 0	28	**0 (See Note 10)**	0.0
12/20/2010	12,937	4.3	315	4	14	NM	NM	0.0	NM	NM	0.0	NM	NM	11	**16**	3.7
2/7/2011	14,046	50.5	315	4	6	9	9.7 / 5	0.0	0	0.7 / 0	0.0	NM	0 / 0	4	**72**	1.4
3/17/2011	14959	38.0	310	4	5	NM	2.9 / 2.1	0	MN	6.1 / 0	0.2	NM	0.8 / 0.2	4	**29**	0.8
4/26/2011	15914	39.8	315	4	4	NM	3.8 / 3.4	0	NM	0.5 / 0	0.0	NM	0.5 / 0	3	**26**	0.6
2011 - 2013 Reporting Data													**Pounds of PCE Removed May 2010 through April 2011:**		**322**	
5/25/2011	16615	29.2	315	4	6	NM	4.9 / 4.2	3.078	NM	Sample broke	0.4	NM	0.09 / 0.8	6	**26**	0.9
6/30/2011	17476	35.9	315	4	7	NM	10.2 / 6	0	NM	5.4 / 1.5	0.0	NM	4.6 / 0	7	**44**	1.2
7/28/2011	18146	27.9	315	4	7	NM	9 / 8.1	0.684	NM	0.2 / 0	0.0	NM	0 /0	7	**37**	1.3
8/31/2011	18956	33.8	315	4	7	NM	8.5 / 8.4	2.793	0	0.1 / 0	2.7	0	0 / 0	7	**46**	1.4
9/27/2011	19606	27.1	325	4.25	5	NM	13.1 / 8.6	0	NM	4.2 / 0.3	0.0	NM	Apr-00	5	**31**	1.2
11/1/2011	20441	34.8	315	4.25	2	NM	5.4 / 5.1	0	NM	6.5 / 1.8	0.0	NM	0.5 / 0	2	**24**	0.7
11/28/2011	21096	27.3	315	4	2	NM	11.5 / 5.6	0.342	NM	10.7 / 4.9	0.0	NM	5.9 / 0	2	**10**	0.4
1/5/2012	22001	37.7	325	4.25	2	5	9.1 / 4.1	1.71	5	8.7 / 3.5	0.0	0	4.9 / 0	2	**13**	0.3
1/31/2012	22626	26.0	325	4.25	2	NM	8.5 / 3.7	0.57	NM	4.8 / 0.17	0.5	NM	4.6 / 0	2	**10**	0.4
3/1/2012	23351	30.2	315	4	2	NM	8.8 / 3.58	0	NM	4.9 / 0.08	0.0	NM	5 / 0.08	2	**13**	0.4
4/5/2012	24185	34.8	320	4	3	NM	10.3 / 4.29	0	NM	5 / 0	0.0	NM	4.5 / 0	3	**17**	0.5
5/2/2012	24831	26.9	327	4.5	2	NM	9.6 / 3.36	0.513	NM	6.1 / 0	0.3	NM	5.2 / 0	2	**14**	0.5
5/31/2012	25528	29.0	322	4.25	2	NM	8.6 / 5.35	0.114	NM	0.9 / 0	0.1	NM	3.2 / 0	2	**12**	0.4
7/17/2012	26655	47.0	322	4	6	NM	8.5 / 8.5	2.223	1	3 / 1.9	0.1	NM	0.3 / 0.22	6	**35**	0.8
8/23/2012	27543	37.0	320	4	4	5	18.5 / 18.3	2.223	3	7.3 / 6.9	0.0	NM	0 / 0	4	**33**	0.9
9/18/2012	28164	25.9	320	4	5	NM	15.9 / 15.7	0	NM	0 / 0	0.0	NM	0 / 0	5	**23**	0.9
11/1/2012	29223	44.1	319	4	4	NM	15.1 / 10.7	0.057	NM	5.3 / 0	0.0	NM	0.8 / 0	4	**41**	0.9
11/29/2012	29894	28.0	322	4	5	NM	10.7 / 9.2	0	NM	5.3 / 0	0.0	NM	5.3 / 0	5	**24**	0.9
2/26/2013	30830	39.0	328	4	4	NM	10.5 / 5.2	0.171	NM	5.5 / 0	0.1	NM	5.6 / 0	4	**34**	0.9
3/26/2013	31509	28.3	328	4	3	NM	8 / 4.1	0.399	NM	3.8 / 0	0.3	NM	3.6 / 0	3	**20**	0.7
4/24/2013	32199	28.8	328	4	4	NM	6.4 / 5	0.285	NM	0.7 / 0	0.2	NM	0.6 / 0	4	**19**	0.7
5/30/2013	33066	36.1	328	4.25	3	NM	4.7 / 4.7	1.254	NM	1 / 0.3	0.5	NM	0 / 0	3	**24**	0.7
6/26/2013	33677	25.5	319	4	5	NM	12.3 / 8.24	2.166	NM	4 / 1.3	0.3	NM	4.4 / 0	5	**21**	0.8
7/29/2013	34454	32.4	329	4.5	5	NM	11.1 / 7.1	0.228	NM	0.4 / 0	0.2	NM	3.8 / 0	5	**31**	1.0
8/26/2013	35114	27.5	329	4.5	4	NM	10.7 / 6.3	0.228	NM	5.7 / 0	0.2	NM	4.6 / 0	4	**25**	0.9
9/16/2013	35625	21.3	330	4.5	3	NM	7.5 / 6.8	0.285	NM	0.6 / 0	0.1	NM	0.5 / 0	3	**17**	0.8
10/22/2013	36488	36.0	330	4.5	5	4	9.6 / 4.6	1.539	0.5	7.2 / 0.4	0.7	NM	5.6 / 0	5	**29**	0.8
12/5/2013	37547	44.1	323	4.25	3	NM	12.3 / 5.4	0.57	NM	8.6 / .3	0.2	NM	7.8 / 7.8	3	**32**	0.7
12/30/2013	38074	22.0	330	5	3	NM	8.6 / 4.3	0.399	NM	5.3 / 0.3	0.0	NM	4.3 / 0	3	**12**	0.5
													Pounds of PCE Removed May 2011 through December 2013		**716**	
													Total pounds of PCE removed since start up		**2375**	

Notes: 1 - Estimated PCE concentrations were determined using the Adjusted Field Screening Results.
2 - GC Screening performed by Haley & Aldrich, in Rocherster, New York.
3 - in Hg = inches of mercury
4 - ND = non detect
5 - ppmv = pers per million by volume
6 - See Appendix A for sample calculation.
7 - SVE/SSDS was shut down from December 17, 2012 through February 1, 2013 due to varible frequency drive malfunction..
8 - NM = not measured
9 - Valve on tedlar bag broke in transit and had arrived empty, no sample was screened.
10 - SVE/SSDS was shut down from August 26 through December 16, 2010, approximately 4 months, per NYSDEC approval.

FIGURES



NORTH

LEGEND:

INDICATES BUILDING 10 FOOTPRINT

APPROXIMATE LOCATION OF SVE/SSD SYSTEM

NOTES:

1. BASE MAP ADAPTED FROM A 2005 AERIAL PHOTOGRAPH DOWNLOADED FROM http://www.nysgis.state.ny.us/gateway/mg/interactive_main.html AND SITE OBSERVATIONS.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

DRAWN BY: DEW

DATE: April 2014

GZA GeoEnvironmental of New York

APPROXIMATE SCALE IN FEET

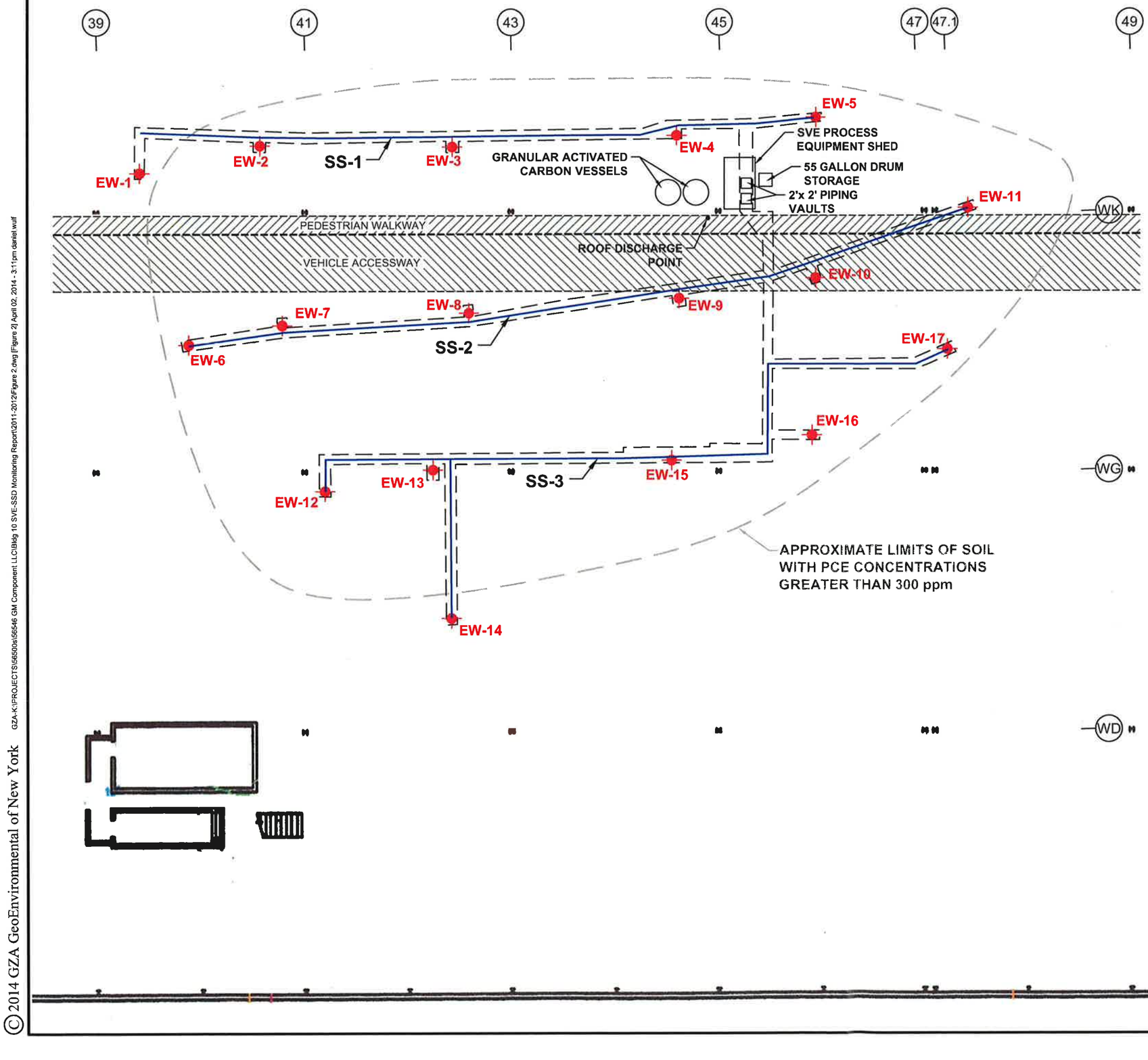
0 200 400 800

GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD, LOCKPORT, NEW YORK
BUILDING 10
SVE / SSD SYSTEM 2011-2013 MONITORING REPORT
SITE PLAN

PROJECT No.
21.0056546.00

FIGURE No.
1

GZA-K:\PROJECTS\56500s\56546 GM Component LLC\Bldg 10 SVE-SSD Monitoring Report\2011-2012\Figure 1.dwg [FIGURE 1] April 02, 2014 - 3:18pm daniel.wulf



LEGEND:

APPROXIMATE LOCATION OF TRENCHES INSTALLED BENEATH CONCRETE SLAB FOR SVE AND SSD PIPING

SS-1 — SUB-SLAB LEG 1

EW-1 — APPROXIMATE LOCATION AND DESIGNATION OF 4-INCH DIAMETER SOIL VAPOR EXTRACTION WELL

NOTES:

1. BASE MAP ADAPTED FROM A SITE PLAN PROVIDED BY THE CLIENT.

2. THE SIZE AND LOCATION OF EXISTING SITE FEATURES SHOULD BE CONSIDERED APPROXIMATE.

DRAWN BY: DEW

DATE: April 2014

GZA GeoEnvironmental of New York

APPROXIMATE SCALE IN FEET
0 10 20 40

GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD, LOCKPORT, NEW YORK
BUILDING 10
SVE / SSD SYSTEM 2011-2013 MONITORING REPORT
SVE / SSD SYSTEM LAYOUT

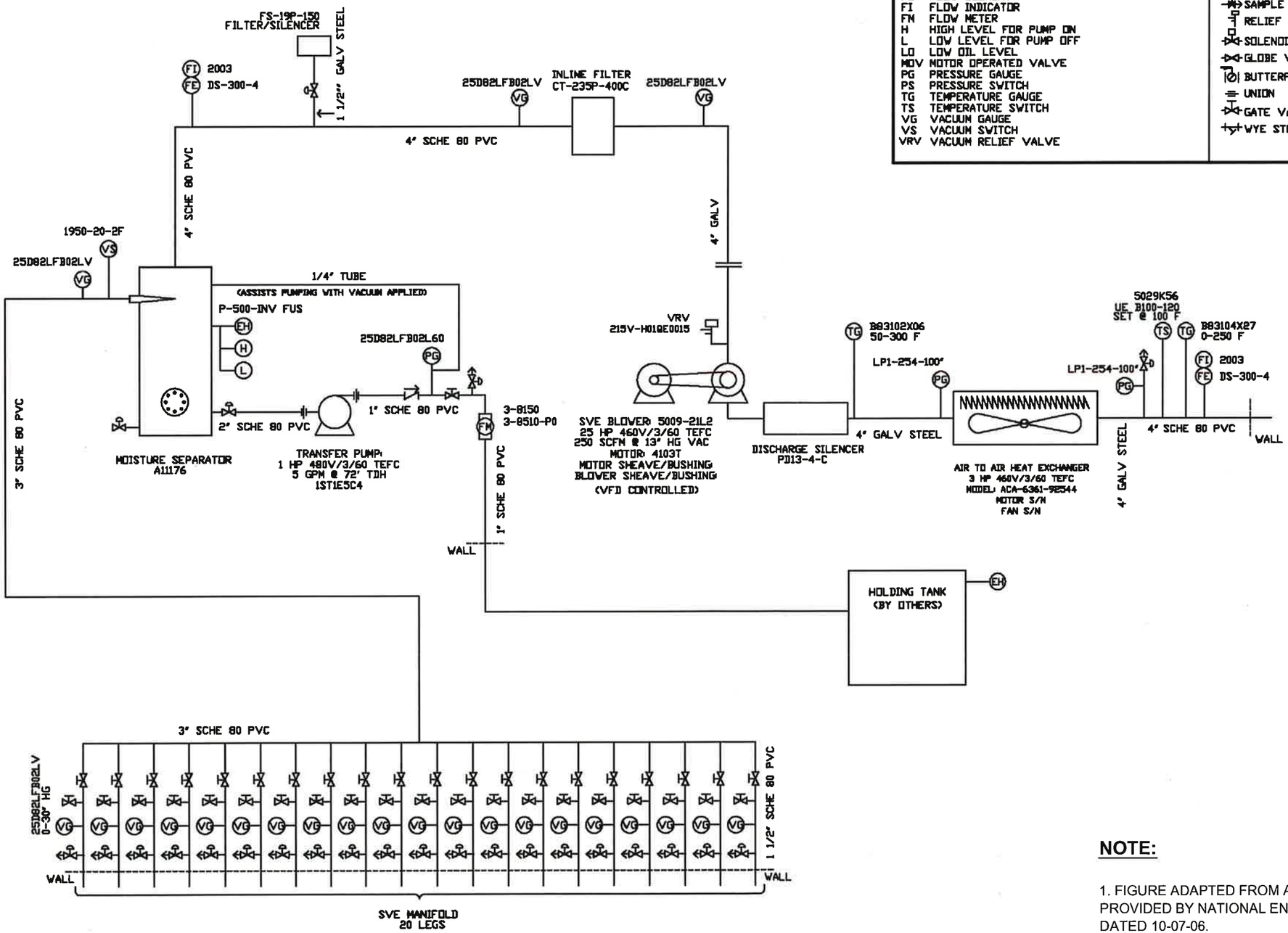
PROJECT No.
21.0056546.00

FIGURE No.
2

G:\Bldg 10 SVE-SSD Monitoring Report\2011-2012\Figure 2.dwg [Figure 2] April 02, 2014 - 3:11pm daniel.wulf
GZA-K:\PROJECTS\56500s\56546 GM Component LLC\Bldg 10 SVE-SSD Monitoring Report\2011-2012\Figure 2.dwg [Figure 2] April 02, 2014 - 3:11pm daniel.wulf

LEGEND:

DPT DIFFERENTIAL PRESSURE TRANSMITTER EH EMERGENCY HIGH SWITCH FE FLOW ELEMENT FI FLOW INDICATOR FM FLOW METER H HIGH LEVEL FOR PUMP ON L LOW LEVEL FOR PUMP OFF LO LOW OIL LEVEL MOV MOTOR OPERATED VALVE PG PRESSURE GAUGE PS PRESSURE SWITCH TG TEMPERATURE GAUGE TS TEMPERATURE SWITCH VG VACUUM GAUGE VS VACUUM SWITCH VRV VACUUM RELIEF VALVE	CHECK VALVE BALL VALVE SAMPLE PORT RELIEF VALVE SOLENOID VALVE GLOBE VALVE BUTTERFLY VALVE UNION GATE VALVE WYE STRAINER



NOTE:

1. FIGURE ADAPTED FROM A DRAWING DEVELOPED AND PROVIDED BY NATIONAL ENVIRONMENTAL SYSTEMS, DATED 10-07-06.

DRAWN BY: DEW

DATE: April 2013

GZA GeoEnvironmental of New York

NOT TO SCALE

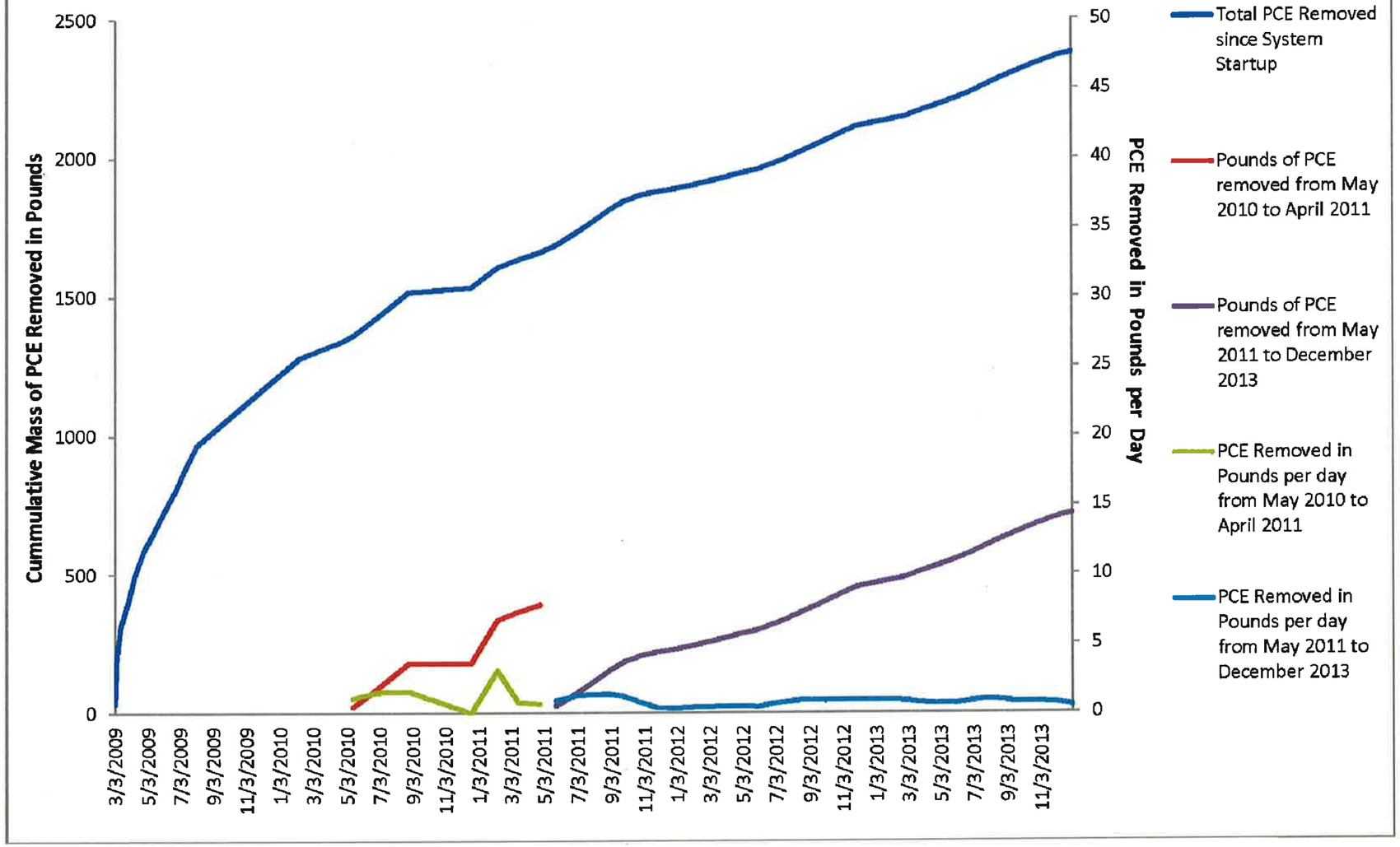
GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD, LOCKPORT, NEW YORK
BUILDING 10

SVE / SSD SYSTEM 2011-2013 MONITORING REPORT
SVE / SSD SYSTEM PROCESS AND INSTRUMENTATION DIAGRAM

PROJECT No.
21.0056546.00

FIGURE No.
3

Building 10 SVE/SSD System Performance
March 2009 - December 2013



DRAWN BY: DEW
DATE: APRIL 2014

GZA GeoEnvironmental of New York

NOT TO SCALE

GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD, LOCKPORT, NEW YORK
BUILDING 10
SVE / SSD SYSTEM 2011-2013 MONITORING REPORT
BLDG 10 SVE SYSTEM PERFORMANCE
MAY 2011 - DECEMBER 2013

PROJECT No.
21.0056546.00

FIGURE No.
4

G:\GZA-K:\PROJECTS\58500s\58546 GM Component LLC\Bldg 10 SVE-SSD Monitoring Report\2011-2012\Figure 5.dwg [Figure 1] April 03, 2014 - 11:57am daniel.wulf

AREA ASSOCIATED WITH BUILDING 10 BCP SITE

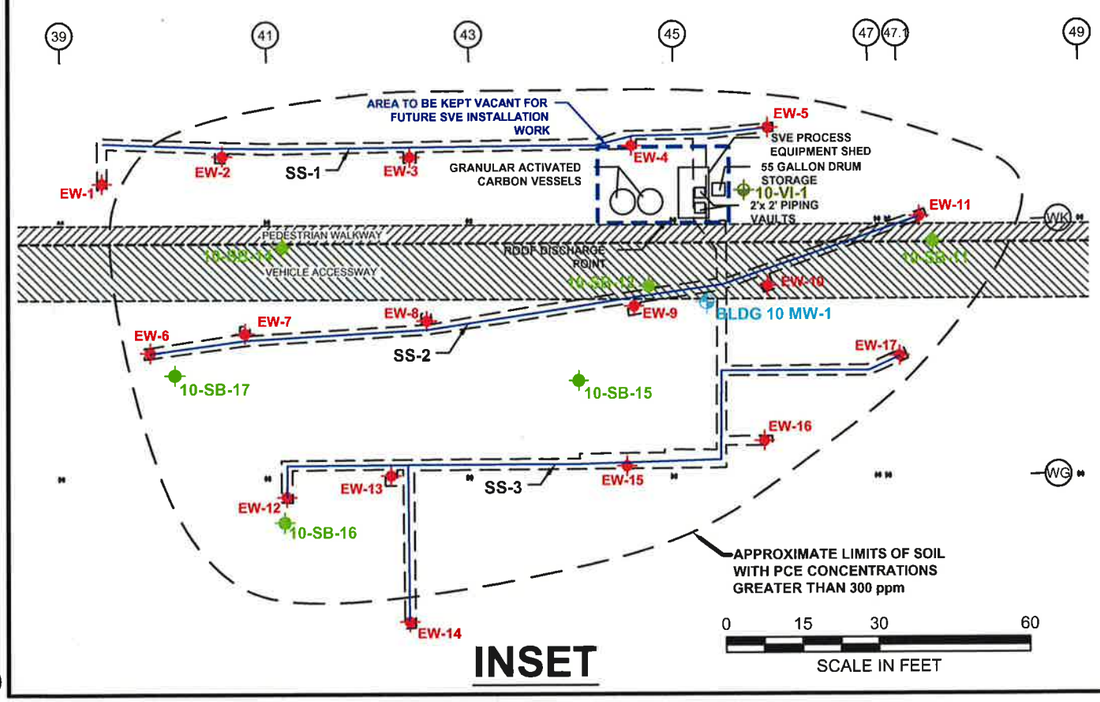
NORTH

10-SB-18
10-SB-21
10-SB-19
10-SB-20

10-SB-7
10-SB-10
10-SB-6
10-SB-3
10-SB-2
BUILDING 10
APPROXIMATE FOOTPRINT OF SVE SYSTEM (SEE INSET)
10-VI-2
10-VI-1
10-SB-14
10-SB-12
10-SB-11
BLDG 10 MW-1
10-SB-17
10-SB-15
10-SB-16
10-SB-1
10-SB-9
10-SB-8
10-SB-5
10-SB-4
MW-10-2
MW-10-3

EXPLORATION PLAN

0 50 100 200
SCALE IN FEET



INSET

0 15 30 60
SCALE IN FEET

LEGEND:

- 10-SB-1 — APPROXIMATE LOCATION OF SOIL PROBES COMPLETED AS PART OF THE BCP INVESTIGATION
- MW-10-2 — APPROXIMATE LOCATION OF BEDROCK MONITORING WELLS INSTALLED AND SAMPLED AS PART OF THE BCP INVESTIGATION
- 10-VI-1 — APPROXIMATE LOCATION OF INTERIOR VAPOR INTRUSION SAMPLES COMPLETED AS PART OF THE BCP INVESTIGATION
- BLDG 10 MW-1 — APPROXIMATE LOCATION AND DESIGNATION OF EXISTING MONITORING WELLS SAMPLED AS PART OF THE BCP INVESTIGATION

DRAWN BY: DEW

DATE: April 2014

GZA GeoEnvironmental of New York

APPROXIMATE SCALE IN FEET

AS SHOWN

GM COMPONENTS HOLDINGS, LLC
LOCKPORT FACILITY
200 UPPER MOUNTAIN ROAD, LOCKPORT, NEW YORK
BUILDING 10
SVE / SSD SYSTEM 2011-2013 MONITORING REPORT
BUILDING 10 SITE ID# 932140
EXPLORATION PLAN

PROJECT No.
21.0056546.00

FIGURE No.
5

APPENDIX A

PCE MASS CALCULATIONS

GZA GeoEnvironmental of New York
Engineers and Scientists

Project GMHC Bldg 10 SVE/SSD System — File No. 21.0056546.0
Location Lockport NY — Date 5/5/10 — By CLB.
Subject Ave. PCE Conc. in SVE Footprint — Checked 5/6/10 — By DJT
Based on Lab Data. — Revised 3/30/14 — By CZB

17 Soil Samples were collected from within the SVE area footprint as follows w/ PCE conc.

SP-1: 0-2 ft: 72 ppm; 2-4: 119; 4-6: 177; 6-8: 506
SP-2: 2-4 ft: 5 ppm
SP-3: 2-4 ft: 770 ppm
SP-4: 6-7.1 ft: 447 ppm
SP-7: 4-6 ft: 297 ppm
SP-13: 4-6 ft: 260 ppm; 6-8 ft: 105 ppm
SP-14: 2-4 ft: 25 ppm; 4-6 ft: 1,120 ppm
SP-15: 6-8 ft: 5 ppm; 8-9 ft: 4 ppm
SP-20: 0-2 ft: 28 ppm; 2-4 ft: 1035 ppm; 4-6 ft: 1090 ppm

Ave. PCE Conc: 359 ppm

Say 360 ppm

3/30/14 Six (6) additional soil samples were collected during the Remedial Investigation in December 2010. The PCE conc. of these 6 samples were as follows.

10-SB-11 2-4 ft: 21 ppm
10-SB-12 4-6 ft: 460 ppm
10-SB-14 6-8 ft: 870 ppm
10-SB-15 6-8 ft: 350 ppm
10-SB-16 2-4 ft: 70 ppm
10-SB-17 4-6 ft: 5 ppm

The average PCE conc. of the 23 soil samples collected is 342 ppm.

Therefore previous average PCE conc. calculated on 5/5/10 will be use a difference is about 5%.

GZA GeoEnvironmental of New York
Engineers and Scientists

Project GWHC TSldg 10 SVE/SSD			File No. 21.0056546.0
Location Lockport NY	Date 5/5/10	By	cdo.
Subject Mass of PCE in Unsaturated Soil	Checked 5/6/10	By	DST
Based on	Revised	By	

Mass of PCE in unsaturated soil to be addressed w/ SVE System in TSldg 10

- Area to be addressed is ~14,000 sq. ft.
- Assume Unsaturated soil thickness is 6.0 ft. (6.5 ft to water table − 0.5 ft for concrete + fill)
- Assume 360 ppm PCE average soil concentration.
- Assume 10% of volume contains utilities

$14{,}000 \text{ sq ft} \times 6 \text{ ft} = 84{,}000 \text{ ft}^3 \; (3{,}111 \text{ yds}^3)$

$3{,}111 \text{ yds}^3 \times 0.90 = 2{,}800 \text{ yd}^3 \text{ (vol. w/out utilities)}$

$2{,}800 \text{ yds}^3 * 1.6 \text{ tons/yd}^3 = 4{,}480 \text{ tons of soil}$

$4{,}480 \text{ tons} * 1{,}016 \text{ kg/ton} = 4{,}551{,}680 \text{ kg}$

$360 \text{ mg/kg} * 4{,}551{,}680 \text{ kg} = 1{,}638{,}604{,}800 \text{ mg}$

$1{,}638{,}604{,}800 \text{ mg} * 2.2046 \times 10^{-6} = 3{,}613 \text{ pounds}$
(convert mg to pounds)

Say 3,600 lbs of PCE

GZA GeoEnvironmental of New York
Engineers and Scientists

Project GMCH Bldg 10 SVE/SSD System — File No. 21.0050546.0
Location Lockport, NY — Date 5/5/10 — By cdo
Subject PLE Removal Rate Calc. — Checked 5/6/10 — By DJT
Based on — Revised — By

Pounds of PCE Removed by SVE Sys for Time Period
3/6/09 → 3/9/09.

Days between Readings: 2.9 days

Ave System Flow between Readings: (300 scfm + 280 scfm) ÷ 2

290 scfm

Estimate Average PCE Conc. between Readings: $\frac{41\ \text{ppmv} + 192\ \text{ppmv}}{2}$

= 117 ppmv

$2.9\ \text{day} * 290\ \text{scfm} * 24\ \frac{\text{hr}}{\text{day}} * 60\ \frac{\text{min}}{\text{hr}}$

= 1,211,040 ft³

$1{,}211{,}040\ \text{ft}^3 * 0.02832$ (convert ft³ to m³) = 34,297 m³

$117\ \text{ppmv} * 6.78$ (convert ppmv to mg/m³) = 793 mg/m³

$34{,}297\ \text{m}^3 * 793\ \text{mg/m}^3 = 27{,}197{,}521\ \text{mg}$

(27,198 g)

$27{,}198\ \text{g} * 0.002205$ (convert g to pounds) = **60 pounds PCE REMOVED**

APPENDIX B

ROUTINE MONITORNG FORMS

(MAY 2011 – DECEMBER 2013)

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Baron Time On-Site: 1345 Time Off-Site: 1515

Date: 5-25-11 SVE Blower Run Time: 16,615 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating		(YES)	NO	If no:			
SVE System appear to be operating properly?		(YES)	NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	120	° F
Temperature after Heat Exchanger:	82	° F
Pressure After Heat Exchanger	35	in H_2O
Pressure Before Heat Exchanger	42	in H_2O
Pressure Magnehelic Gauge:	2.4	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes: OVM Readings were also collected from the gate valves for each of the 20 legs of the system. See back for data

Flow Rate Based on Pressure Gauge: 330 cfm

Flow Rate Based on Vacuum Gauge: 300 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1.2	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.2	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	1.4	ppm
Background Inside SVE Shed:	1.4	ppm
Pre Carbon Discharge:	11.1	ppm
Mid Carbon Discharge:	5.4	ppm
Post Carbon Discharge:	0.7	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample collected from Pre Carbon. Samples were sent to H&A for GC Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 5/27/2011

Client: GMCH Lockport
File No: 36795-000
Sample Type: BLDG-10 SVE/SSD

ICAL Curve Date: 1/1/2011

ehs

MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 5/25/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	29.010	63.2	4.15	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH			20.0	0.70	ppmV	
		total volatiles			83	4.9	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon (DUP)	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 5/25/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
Temp = °F	67-66-3	chloroform	19.800			ND	ppmV	
Flow = 280 SCFM	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	29.076	62.2	4.09	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH			20.0	0.70	ppmV	
		total volatiles			82	4.8	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 5/25/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
Valve on Bag Broken	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
Bag Arrived Empty	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			0	0.0	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 5/25/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	29.318	1.3	0.09	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH			20.0	0.70	ppmV	
		total volatiles			21	0.8	ppmV	

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Baron Time On-Site: 1430 Time Off-Site: 1530

Date: 6/30/2011 SVE Blower Run Time: 17476 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: ϕ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.0	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	119	° F
Temperature after Heat Exchanger:	88	° F
Pressure After Heat Exchanger	20	in H_2O
Pressure Before Heat Exchanger	28	in H_2O
Pressure Magnehelic Gauge:	2.5	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.0	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 330 cfm

Flow Rate Based on Vacuum Gauge: 300 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1.25	in Hg	EW-12:	<1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2.5	in H2O
EW-10:	1.25	in Hg	SS-3:	2.25	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	ϕ	ppm
Background Inside SVE Shed:	ϕ	ppm
Pre Carbon Discharge:	11.5	ppm
Mid Carbon Discharge:	ϕ	ppm
Post Carbon Discharge:	ϕ	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate air sample was collected from Pre-Carbon sample location.
Samples sent to H+A for GC Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 7/5/2011

Client: GMCH Lockport
File No: 36795-000
Sample Type: BLDG-10 SVE/SSD

ICAL Curve Date: 1/1/2011

ehs

MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.401	15.0	3.07	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 6/30/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	28.990	91.0	5.99	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH			33.7	1.18	ppmV	
		total volatiles			140	10.2	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.360	15.5	3.16	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon (DUP)	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 6/30/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	28.952	72.1	4.74	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH			38.9	1.36	ppmV	
		total volatiles			126	9.3	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.359	15.6	3.18	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 6/30/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	29.076	22.3	1.47	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH			20.3	0.71	ppmV	
		total volatiles			58	5.4	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.425	15.3	3.13	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 6/30/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH			40.8	1.43	ppmV	
		total volatiles			56	4.6	ppmV	

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Jennifer Davids Time On-Site: 1240 Time Off-Site: 1350

Date: 7/28/11 SVE Blower Run Time: 18,146 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: ϕ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.0	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	121	°F
Temperature after Heat Exchanger:	90	°F
Pressure After Heat Exchanger	19	in H_2O
Pressure Before Heat Exchanger	26	in H_2O
Pressure Magnehelic Gauge:	2.5	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.0	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 330 cfm

Flow Rate Based on Vacuum Gauge: 300 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW-1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1.25	in Hg	EW-12:	<1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2.5	in H2O
EW-10:	1.25	in Hg	SS-3:	2.5	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	ϕ	ppm
Background Inside SVE Shed:	0.5	ppm
Pre Carbon Discharge:	12.7	ppm
Mid Carbon Discharge:	1.2	ppm
Post Carbon Discharge:	ϕ	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample collected from Pre-Carbon sample location.
Samples sent to H+A for GC screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 7/29/2011

Client: GMCH Lockport
File No: 36795-000
Sample Type: BLDG-10 SVE/SSD

ICAL Curve Date: 1/1/2011

ehs

MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 7/28/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200	24.004	1.5	0.12	ppmV	
	108-88-3	toluene	27.200	27.010	1.2	0.03	ppmV	
	127-18-4	tetrachloroethene	29.200	28.894	135.3	8.90	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			138	9.0	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.360	15.5	3.16	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon (DUP)	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 7/28/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200	23.998	1.4	0.11	ppmV	
	108-88-3	toluene	27.200	27.010	1.2	0.03	ppmV	
	127-18-4	tetrachloroethene	29.200	28.894	122.9	8.08	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			141	11.4	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 7/28/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100	19.015	2.7	0.25	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			3	0.2	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 7/28/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			0	0.0	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon - DUP	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 7/28/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			0	0.0	ppmV	

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Boron Time On-Site: 0800 Time Off-Site: 1030

Date: 8/31/11 SVE Blower Run Time: 18956 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating		(YES)	NO	If no:			
SVE System appear to be operating properly?		(YES)	NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: ϕ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.0	in Hg
Vacuum Gauge Post-Inline Filter:	5.0	in Hg
Temperature on Discharge Silencer:	120	°F
Temperature after Heat Exchanger:	82	°F
Pressure After Heat Exchanger	19	in H_2O
Pressure Before Heat Exchanger	26	in H_2O
Pressure Magnehelic Gauge:	2.5	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.0	in Hg

System Monitoring Notes: Change air filter.

Flow Rate Based on Pressure Gauge: 330 cfm

Flow Rate Based on Vacuum Gauge: 300 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1.25	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2.5	in H2O
EW-10:	1.25	in Hg	SS-3:	2.5	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.9	ppm
Background Inside SVE Shed:	0.9	ppm
Pre Carbon Discharge:	21.1	ppm
Mid Carbon Discharge:	4.9	ppm
Post Carbon Discharge:	4.8	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	NM ppm
Mid Carbon	(YES)	NO	ϕ ppm
Post Carbon	(YES)	NO	ϕ ppm

Additional Notes:

Duplicate sample collected from Mid-Carbon sample location.
Samples sent to H+A for GC Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 9/2/2011
ICAL Curve Date: 1/1/2011

ehs

MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 8/31/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200	24.254	1.6	0.13	ppmV	
	108-88-3	toluene	27.200	27.249	1.2	0.03	ppmV	
	127-18-4	tetrachloroethene	29.200	29.129	127.1	8.36	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			130	8.5	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 8/31/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100	19.322	1.3	0.12	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			1	0.1	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 8/31/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			0	0.0	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500			ND	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon - DUP	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 8/31/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			0	0.0	ppmV	

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Baran Time On-Site: 1145 Time Off-Site: 1250

Date: 9/27/2011 SVE Blower Run Time: 19,606 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	YES	NO	If no:
Alarm lights off:	YES	NO	If no:
Autodialer Alarm On:	YES	NO	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	ON		OFF	SVE Blower Switch	HAND	OFF	AUTO
M/S Effluent Pump Switch	HAND	OFF	AUTO	Heat Exchanger Switch	HAND	OFF	AUTO
Heat Exchanger Operating	YES		NO	If no:			
SVE System appear to be operating properly?	YES		NO	If no:			

Moisture Separator Tank Level: Empty 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: 0 gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.25	in Hg
Vacuum Gauge Post-Inline Filter:	4.25	in Hg
Temperature on Discharge Silencer:	115	° F
Temperature after Heat Exchanger:	85	° F
Pressure After Heat Exchanger	20	in H_2O
Pressure Before Heat Exchanger	28	in H_2O
Pressure Magnehelic Gauge:	2.6	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.25	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 340 cfm

Flow Rate Based on Vacuum Gauge: 310 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg		EW-11:	1	in Hg	
EW-2:	1.25	in Hg		EW-12:	1	in Hg	
EW-3:	1	in Hg		EW-13:	<1	in Hg	
EW-4:	<1	in Hg		EW-14:	1.25	in Hg	
EW-5:	<1	in Hg		EW-15:	1	in Hg	
EW-6:	<1	in Hg		EW-16:	1	in Hg	
EW-7:	<1	in Hg		EW-17:	<1	in Hg	
EW-8:	<1	in Hg		SS-1:	2	in H2O	
EW-9:	1	in Hg		SS-2:	2.5	in H2O	
EW-10:	1.5	in Hg		SS-3:	2.5	in H2O	

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	1.1	ppm
Background Inside SVE Shed:	1.1	ppm
Pre Carbon Discharge:	0.8	ppm
Mid Carbon Discharge:	0	ppm
Post Carbon Discharge:	0	ppm

Detector Tube Readings

Pre Carbon	YES	NO	ppm
Mid Carbon	YES	NO	ppm
Post Carbon	YES	NO	ppm

Additional Notes:

Duplicate air sample collected from Pre-Carbon sample location.
Samples sent to H+A for GC screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 10/2/2011

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

ICAL Curve Date: 1/1/2011

ehs

MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.441	19.0	3.87	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 9/29/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200	24.175	1.6	0.13	ppmV	
	108-88-3	toluene	27.200	27.159	1.4	0.03	ppmV	
	127-18-4	tetrachloroethene	29.200	29.031	133.0	6.75	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			155	12.8	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.443	21.3	4.35	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon (DUP)	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 9/29/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200	24.250	1.7	0.13	ppmV	
	108-88-3	toluene	27.200	27.250	1.3	0.03	ppmV	
	127-18-4	tetrachloroethene	29.200	29.120	130.7	6.60	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			155	13.1	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.312	19.1	3.89	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 9/29/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	28.872	5.2	0.34	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			24	4.2	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.222	19.5	3.98	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 9/29/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			19	4.0	ppmV	

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Boran Time On-Site: 730 Time Off-Site: 830

Date: 11/1/11 SVE Blower Run Time: 20441 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: ϕ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.2	in Hg
Vacuum Gauge Post-Inline Filter:	4.75	in Hg
Temperature on Discharge Silencer:	110	° F
Temperature after Heat Exchanger:	78	° F
Pressure After Heat Exchanger	19	in H_2O
Pressure Before Heat Exchanger	27	in H_2O
Pressure Magnehelic Gauge:	2.6	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 330 cfm

Flow Rate Based on Vacuum Gauge: 300 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1.25	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	ϕ	ppm
Background Inside SVE Shed:	ϕ	ppm
Pre Carbon Discharge:	3.5	ppm
Mid Carbon Discharge:	ϕ	ppm
Post Carbon Discharge:	ϕ	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample collected from Mid Carbon

Samples sent to H+A for GC Screen

Need more silicon tubing.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 11/2/2011

Client: GM Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

ICAL Curve Date: 1/1/2011

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MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.650	1.7	0.34	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 11/1/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	29.415	77.5	5.10	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			79	5.4	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.730	2.3	0.47	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 11/1/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	29.609	27.6	1.82	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			30	2.3	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.690	1.9	0.39	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon (DUP)	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 11/1/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	29.475	28.7	1.89	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			31	2.3	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.721	2.2	0.45	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 11/1/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			2	0.5	ppmV	

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Baron Time On-Site: 1400 Time Off-Site: 1520

Date: 11/28/11 SVE Blower Run Time: 21096 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			
Moisture Separator Tank Level:	(Empty)	1/4 Full		1/2 Full	3/4 Full	Full	Volume Tranfered: ∅ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	5	in Hg
Temperature on Discharge Silencer:	110	° F
Temperature after Heat Exchanger:	79	° F
Pressure After Heat Exchanger	18	in H_2O
Pressure Before Heat Exchanger	26	in H_2O
Pressure Magnehelic Gauge:	2.5	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes: Change In-line filter

Flow Rate Based on Pressure Gauge: 330 cfm

Flow Rate Based on Vacuum Gauge: 300 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1.25	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	∅	ppm
Background Inside SVE Shed:	∅	ppm
Pre Carbon Discharge:	3	ppm
Mid Carbon Discharge:	0.6	ppm
Post Carbon Discharge:	∅	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample collected from Mid Carbon.

Tedlar bag sample sent to H+A for GC Screening

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 11/29/2011

Client: GMCH Lockport
ICAL Curve Date: 1/1/2011
ehs

File No: 36795-010

Sample Type: BLDG-10 SVE/SSD
MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.154	28.5	5.82	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 11/28/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	28.595	86.0	5.66	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			114	**11.5**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.140	28.3	5.79	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 11/28/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	28.549	74.6	4.90	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			103	**10.7**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.190	26.4	5.40	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon (DUP)	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 11/28/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	28.630	46.4	3.05	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			73	**5.4**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.237	28.9	5.90	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 11/28/2011	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			29	**5.9**	ppmV	

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Boron Time On-Site: 730 am Time Off-Site: 900 am

Date: 1/5/2012 SVE Blower Run Time: 22001 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	AUTO
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	AUTO
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: ϕ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.25	in Hg
Vacuum Gauge Post-Inline Filter:	4.50	in Hg
Temperature on Discharge Silencer:	110	° F
Temperature after Heat Exchanger:	78	° F
Pressure After Heat Exchanger	19	in H_2O
Pressure Before Heat Exchanger	27	in H_2O
Pressure Magnehelic Gauge:	2.6	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 335 cfm

Flow Rate Based on Vacuum Gauge: 315 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1.25	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	ϕ	ppm
Background Inside SVE Shed:	ϕ	ppm
Pre Carbon Discharge:	3	ppm
Mid Carbon Discharge:	3	ppm
Post Carbon Discharge:	ϕ	ppm

Detector Tube Readings

Pre Carbon	(YES)	NO	5	ppm
Mid Carbon	(YES)	NO	5	ppm
Post Carbon	(YES)	NO	ϕ	ppm

Additional Notes:

Duplicate sample collected from the Pre Carbon sampling location.
Samples sent to H+A for GC Screening

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 1/7/2012
ICAL Curve Date: 1/1/2011

ehs

DMC

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	2.119	24.5	5.00	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 1/5/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	23.852	59.1	3.89	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			84	8.9	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	2.130	24.5	5.01	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon (DUP)	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 1/5/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	23.886	62.1	4.09	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			87	9.1	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	2.129	25.1	5.12	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 1/5/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	23.892	53.7	3.53	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			79	8.7	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	2.113	24.2	4.94	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 1/5/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			24	4.9	ppmV	

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Boron Time On-Site: 825 am Time Off-Site: 1000 am

Date: 1/31/2012 SVE Blower Run Time: 22626 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	AUTO
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	AUTO
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			
Moisture Separator Tank Level:	(Empty)	1/4 Full	1/2 Full	3/4 Full	Full	Volume Tranfered:	ϕ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.25	in Hg
Vacuum Gauge Post-Inline Filter:	4.50	in Hg
Temperature on Discharge Silencer:	105	° F
Temperature after Heat Exchanger:	78	° F
Pressure After Heat Exchanger	14	in H_2O
Pressure Before Heat Exchanger	20	in H_2O
Pressure Magnehelic Gauge:	2.6	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 335 cfm

Flow Rate Based on Vacuum Gauge: 315 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1.25	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	1.4	ppm
Background Inside SVE Shed:	1.6	ppm
Pre Carbon Discharge:	4	ppm
Mid Carbon Discharge:	1.0	ppm
Post Carbon Discharge:	0.8	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample collected from the Mid-Point sample location.
Samples sent to H+A for GC Screening.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 2/1/2012
ICAL Curve Date: 1/1/2011

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MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.244	23.8	4.86	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 1/31/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	28.645	58.1	3.69	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			60	8.5	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.274	44.6	9.12	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 1/31/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			45	9.1	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.216	22.8	4.66	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Mid-Carbon (DUP)	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 1/31/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200	28.836	2.5	0.17	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			25	4.8	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	4.500	4.210	22.4	4.57	ppmV	
	75-01-4	vinyl chloride	7.300			ND	ppmV	
	75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
	75-09-2	methylene chloride	14.700			ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date: 1/31/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:	1634-04-4	MTBE	0.000			ND	ppmV	
	78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
	67-66-3	chloroform	19.800			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
	71-43-2	benzene	22.400			ND	ppmV	
	78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
	79-01-6	trichloroethene	24.200			ND	ppmV	
	108-88-3	toluene	27.200			ND	ppmV	
	127-18-4	tetrachloroethene	29.200			ND	ppmV	
	108-90-7	chlorobenzene	30.300			ND	ppmV	
	100-41-4	ethylbenzene	30.900			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
	95-47-6	o-xylene	32.100			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			22	4.6	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Baron | Time On-Site: 1340 | Time Off-Site: 1440

Date: 3/1/12 | SVE Blower Run Time: 23351 hours | VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)	NO		If no:			
SVE System appear to be operating properly?	(YES)	NO		If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full | Volume Tranfered: 0 gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	110	° F
Temperature after Heat Exchanger:	79	° F
Pressure After Heat Exchanger	13	in H_2O
Pressure Before Heat Exchanger	20	in H_2O
Pressure Magnehelic Gauge:	2.5	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.0	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 330 cfm

Flow Rate Based on Vacuum Gauge: 310 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1.5	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.6	ppm
Background Inside SVE Shed:	0.6	ppm
Pre Carbon Discharge:	3.6	ppm
Mid Carbon Discharge:	0	ppm
Post Carbon Discharge:	0	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample collected from Pre-Carbon location

Samples sent to H+A for GC Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 3/2/2012

Client: GMCH Lockport
ICAL Curve Date: 1/1/2011 ehs

File No: 36795-010

Sample Type: BLDG-10 SVE/SSD dmc

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	4.500	4.185	25.5	5.21	ppmV	
		75-01-4	vinyl chloride	7.300			ND	ppmV	
		75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
		75-09-2	methylene chloride	14.700			ND	ppmV	
ID:	Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date:	3/1/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:		1634-04-4	MTBE	0.000			ND	ppmV	
		78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
		67-66-3	chloroform	19.800			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
		71-43-2	benzene	22.400			ND	ppmV	
		78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
		79-01-6	trichloroethene	24.200			ND	ppmV	
		108-88-3	toluene	27.200			ND	ppmV	
		127-18-4	tetrachloroethene	29.200	28.576	54.4	3.58	ppmV	
		108-90-7	chlorobenzene	30.300			ND	ppmV	
		100-41-4	ethylbenzene	30.900			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
		95-47-6	o-xylene	32.100			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			80	8.8	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	4.500	4.270	22.9	4.67	ppmV	
		75-01-4	vinyl chloride	7.300			ND	ppmV	
		75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
		75-09-2	methylene chloride	14.700			ND	ppmV	
ID:	Pre-Carbon (dup)	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date:	3/1/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:		1634-04-4	MTBE	0.000			ND	ppmV	
		78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
		67-66-3	chloroform	19.800			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
		71-43-2	benzene	22.400			ND	ppmV	
		78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
		79-01-6	trichloroethene	24.200			ND	ppmV	
		108-88-3	toluene	27.200			ND	ppmV	
		127-18-4	tetrachloroethene	29.200	28.788	42.4	2.79	ppmV	
		108-90-7	chlorobenzene	30.300			ND	ppmV	
		100-41-4	ethylbenzene	30.900			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
		95-47-6	o-xylene	32.100			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			65	7.5	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	4.500	4.252	23.4	4.78	ppmV	
		75-01-4	vinyl chloride	7.300			ND	ppmV	
		75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
		75-09-2	methylene chloride	14.700			ND	ppmV	
ID:	Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date:	3/1/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:		1634-04-4	MTBE	0.000			ND	ppmV	
		78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
		67-66-3	chloroform	19.800			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
		71-43-2	benzene	22.400			ND	ppmV	
		78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
		79-01-6	trichloroethene	24.200			ND	ppmV	
		108-88-3	toluene	27.200			ND	ppmV	
		127-18-4	tetrachloroethene	29.200	28.966	1.2	0.08	ppmV	
		108-90-7	chlorobenzene	30.300			ND	ppmV	
		100-41-4	ethylbenzene	30.900			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
		95-47-6	o-xylene	32.100			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			25	4.9	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	4.500	4.259	23.9	4.88	ppmV	
		75-01-4	vinyl chloride	7.300			ND	ppmV	
		75-35-4	1,1-dichloroethene	14.300			ND	ppmV	
		75-09-2	methylene chloride	14.700			ND	ppmV	
ID:	Post-Carbon	156-60-5	trans 1,2-dichloroethene	17.000			ND	ppmV	
Date:	3/1/2012	75-34-3	1,1-dichloroethane	17.500			ND	ppmV	
Time:		1634-04-4	MTBE	0.000			ND	ppmV	
		78-93-3	2-butanone (MEK)	18.300			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.100			ND	ppmV	
		67-66-3	chloroform	19.800			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	21.600			ND	ppmV	
		71-43-2	benzene	22.400			ND	ppmV	
		78-87-5	1,2-dichloropropane	0.000			ND	ppmV	
		79-01-6	trichloroethene	24.200			ND	ppmV	
		108-88-3	toluene	27.200			ND	ppmV	
		127-18-4	tetrachloroethene	29.200	28.807	1.2	0.08	ppmV	
		108-90-7	chlorobenzene	30.300			ND	ppmV	
		100-41-4	ethylbenzene	30.900			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.200			ND	ppmV	
		95-47-6	o-xylene	32.100			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			25	5.0	ppmV	

ROUTINE MONITORING FORM

OPERATION AND MAINTENANCE GUIDANCE DOCUMENT
SVE/SSD SYSTEM
DELPHI
LOCKPORT, NEW YORK

Name: Chris Boren Time On-Site: 900 Time Off-Site: 1015

Date: 4-5-2012 SVE Blower Run Time: 24185 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			
Moisture Separator Tank Level:	(Empty)	1/4 Full		1/2 Full	3/4 Full	Full	Volume Tranfered: gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	105	° F
Temperature after Heat Exchanger:	78	° F
Pressure After Heat Exchanger	.12	in H_2O
Pressure Before Heat Exchanger	20	in H_2O
Pressure Magnehelic Gauge:	2.5	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.25	in Hg

System Monitoring Notes:

Flow Pressure: 330

Flow Vacuum: 309

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1.25	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1.5	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.5	ppm
Background Inside SVE Shed:	0.5	ppm
Pre Carbon Discharge:	5.1	ppm
Mid Carbon Discharge:	0	ppm
Post Carbon Discharge:	0	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Tedlar Bag samples collected and sent to H+A for Cal Screen. Duplicate sample collected from Pre Carbon.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 4/6/2012

Client: GMCH Lockport
File No: 36795-010
ICAL Curve Date: 1/1/2011

DAS

MGN

Sample Type: BLDG-10 SVE/SSD

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	1.800	1.830	29.5	6.03	ppmV	
	75-01-4	vinyl chloride				ND	ppmV	
	75-35-4	1,1-dichloroethene	5.500			ND	ppmV	
	75-09-2	methylene chloride				ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	7.500			ND	ppmV	
Date: 4/5/2012	75-34-3	1,1-dichloroethane	9.000			ND	ppmV	
Time:	1634-04-4	MTBE				ND	ppmV	
	78-93-3	2-butanone (MEK)				ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	11.300			ND	ppmV	
	67-66-3	chloroform	13.000			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	13.500			ND	ppmV	
	71-43-2	benzene	14.500			ND	ppmV	
	78-87-5	1,2-dichloropropane				ND	ppmV	
	79-01-6	trichloroethene	16.800			ND	ppmV	
	108-88-3	toluene	21.500			ND	ppmV	
	127-18-4	tetrachloroethene	23.200	23.177	65.2	4.29	ppmV	
	108-90-7	chlorobenzene				ND	ppmV	
	100-41-4	ethylbenzene	26.500			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	26.900			ND	ppmV	
	95-47-6	o-xylene	28.200			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			95	10.3	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	1.800	1.840	24.6	5.03	ppmV	
	75-01-4	vinyl chloride				ND	ppmV	
	75-35-4	1,1-dichloroethene	5.500			ND	ppmV	
	75-09-2	methylene chloride				ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	7.500			ND	ppmV	
Date: 4/5/2012	75-34-3	1,1-dichloroethane	9.000			ND	ppmV	
Time:	1634-04-4	MTBE				ND	ppmV	
	78-93-3	2-butanone (MEK)				ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	11.300			ND	ppmV	
	67-66-3	chloroform	13.000			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	13.500			ND	ppmV	
	71-43-2	benzene	14.500			ND	ppmV	
	78-87-5	1,2-dichloropropane				ND	ppmV	
	79-01-6	trichloroethene	16.800			ND	ppmV	
	108-88-3	toluene	21.500			ND	ppmV	
	127-18-4	tetrachloroethene	23.200			ND	ppmV	
	108-90-7	chlorobenzene				ND	ppmV	
	100-41-4	ethylbenzene	26.500			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	26.900			ND	ppmV	
	95-47-6	o-xylene	28.200			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			25	5.0	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	1.800	1.823	24.8	5.07	ppmV	
	75-01-4	vinyl chloride				ND	ppmV	
	75-35-4	1,1-dichloroethene	5.500			ND	ppmV	
	75-09-2	methylene chloride				ND	ppmV	
ID: Pre-Carbon Duplicate	156-60-5	trans 1,2-dichloroethene	7.500			ND	ppmV	
Date: 4/5/2012	75-34-3	1,1-dichloroethane	9.000			ND	ppmV	
Time:	1634-04-4	MTBE				ND	ppmV	
	78-93-3	2-butanone (MEK)				ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	11.300			ND	ppmV	
	67-66-3	chloroform	13.000			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	13.500			ND	ppmV	
	71-43-2	benzene	14.500			ND	ppmV	
	78-87-5	1,2-dichloropropane				ND	ppmV	
	79-01-6	trichloroethene	16.800			ND	ppmV	
	108-88-3	toluene	21.500			ND	ppmV	
	127-18-4	tetrachloroethene	23.200	23.150	62.8	4.13	ppmV	
	108-90-7	chlorobenzene				ND	ppmV	
	100-41-4	ethylbenzene	26.500			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	26.900			ND	ppmV	
	95-47-6	o-xylene	28.200			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			88	9.2	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	1.800	1.800	22.3	4.55	ppmV	
	75-01-4	vinyl chloride				ND	ppmV	
	75-35-4	1,1-dichloroethene	5.500			ND	ppmV	
	75-09-2	methylene chloride				ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	7.500			ND	ppmV	
Date: 4/5/2012	75-34-3	1,1-dichloroethane	9.000			ND	ppmV	
Time:	1634-04-4	MTBE				ND	ppmV	
	78-93-3	2-butanone (MEK)				ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	11.300			ND	ppmV	
	67-66-3	chloroform	13.000			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	13.500			ND	ppmV	
	71-43-2	benzene	14.500			ND	ppmV	
	78-87-5	1,2-dichloropropane				ND	ppmV	
	79-01-6	trichloroethene	16.800			ND	ppmV	
	108-88-3	toluene	21.500			ND	ppmV	
	127-18-4	tetrachloroethene	23.200			ND	ppmV	
	108-90-7	chlorobenzene				ND	ppmV	
	100-41-4	ethylbenzene	26.500			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	26.900			ND	ppmV	
	95-47-6	o-xylene	28.200			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			22	4.5	ppmV	

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Boran Time On-Site: 835 Time Off-Site: 930

Date: 5/2/12 SVE Blower Run Time: 24831 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	YES	NO	If no:				
Alarm lights off:	YES	NO	If no:				
Autodialer Alarm On:	YES	NO	If Yes:				
Postion of Swing Panel HOA Switches:							
Control Power Switch	ON	OFF	SVE Blower Switch	HAND	OFF	AUTO
M/S Effluent Pump Switch	HAND	OFF	AUTO	Heat Exchanger Switch	HAND	OFF	AUTO
Heat Exchanger Operating	YES	NO	If no:				
SVE System appear to be operating properly?	YES	NO	If no:				
Moisture Separator Tank Level	Empty	1/4 Full	1/2 Full	3/4 Full	Full	Volume Tranfered:	∅ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.5	in Hg
Vacuum Gauge Post-Inline Filter:	4.0	in Hg
Temperature on Discharge Silencer:	100	°F
Temperature after Heat Exchanger:	72	°F
Pressure After Heat Exchanger	13	in H_2O
Pressure Before Heat Exchanger	20	in H_2O
Pressure Magnehelic Gauge:	2.7	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.25	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 345 cfm

Flow Rate Based on Vacuum Gauge: 310 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.5	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2.5	in H2O
EW-10:	1.5	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	1.7	ppm
Background Inside SVE Shed:	1.7	ppm
Pre Carbon Discharge:	4.0	ppm
Mid Carbon Discharge:	0.9	ppm
Post Carbon Discharge:	0.6	ppm

Detector Tube Readings

Pre Carbon	YES	NO	ppm
Mid Carbon	YES	NO	ppm
Post Carbon	YES	NO	ppm

Additional Notes:

Duplicate sample collected from Pre-Carbon location

Tedlar bag samples sent to H+A for GC screening.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 5/3/2012

Client: GM Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD
ICAL Curve Date: 4/12/2012

EHS

MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	1.800	1.930	30.4	6.20	ppmV	
	75-01-4	vinyl chloride				ND	ppmV	
	75-35-4	1,1-dichloroethene	5.500			ND	ppmV	
	75-09-2	methylene chloride				ND	ppmV	
ID: Pre-Carbon	156-60-5	trans 1,2-dichloroethene	7.500			ND	ppmV	
Date: 5/2/2012	75-34-3	1,1-dichloroethane	9.000			ND	ppmV	
Time:	1634-04-4	MTBE				ND	ppmV	
	78-93-3	2-butanone (MEK)				ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	11.300			ND	ppmV	
	67-66-3	chloroform	13.000			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	13.500			ND	ppmV	
	71-43-2	benzene	14.500			ND	ppmV	
	78-87-5	1,2-dichloropropane				ND	ppmV	
	79-01-6	trichloroethene	16.800			ND	ppmV	
	108-88-3	toluene	21.500			ND	ppmV	
	127-18-4	tetrachloroethene	23.200	23.490	51.1	3.36	ppmV	
	108-90-7	chlorobenzene				ND	ppmV	
	100-41-4	ethylbenzene	26.500			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	26.900			ND	ppmV	
	95-47-6	o-xylene	28.200			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			81	9.6	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	1.800	1.935	29.7	6.06	ppmV	
	75-01-4	vinyl chloride				ND	ppmV	
	75-35-4	1,1-dichloroethene	5.500			ND	ppmV	
	75-09-2	methylene chloride				ND	ppmV	
ID: Mid-Carbon	156-60-5	trans 1,2-dichloroethene	7.500			ND	ppmV	
Date: 5/2/2012	75-34-3	1,1-dichloroethane	9.000			ND	ppmV	
Time:	1634-04-4	MTBE				ND	ppmV	
	78-93-3	2-butanone (MEK)				ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	11.300			ND	ppmV	
	67-66-3	chloroform	13.000			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	13.500			ND	ppmV	
	71-43-2	benzene	14.500			ND	ppmV	
	78-87-5	1,2-dichloropropane				ND	ppmV	
	79-01-6	trichloroethene	16.800			ND	ppmV	
	108-88-3	toluene	21.500			ND	ppmV	
	127-18-4	tetrachloroethene	23.200			ND	ppmV	
	108-90-7	chlorobenzene				ND	ppmV	
	100-41-4	ethylbenzene	26.500			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	26.900			ND	ppmV	
	95-47-6	o-xylene	28.200			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			30	6.1	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	1.800	1.915	25.6	5.23	ppmV	
	75-01-4	vinyl chloride				ND	ppmV	
	75-35-4	1,1-dichloroethene	5.500			ND	ppmV	
	75-09-2	methylene chloride				ND	ppmV	
ID: Post-Carbon	156-60-5	trans 1,2-dichloroethene	7.500			ND	ppmV	
Date: 5/2/2012	75-34-3	1,1-dichloroethane	9.000			ND	ppmV	
Time:	1634-04-4	MTBE				ND	ppmV	
	78-93-3	2-butanone (MEK)				ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	11.300			ND	ppmV	
	67-66-3	chloroform	13.000			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	13.500			ND	ppmV	
	71-43-2	benzene	14.500			ND	ppmV	
	78-87-5	1,2-dichloropropane				ND	ppmV	
	79-01-6	trichloroethene	16.800			ND	ppmV	
	108-88-3	toluene	21.500			ND	ppmV	
	127-18-4	tetrachloroethene	23.200			ND	ppmV	
	108-90-7	chlorobenzene				ND	ppmV	
	100-41-4	ethylbenzene	26.500			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	26.900			ND	ppmV	
	95-47-6	o-xylene	28.200			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			26	5.2	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	1.800	1.907	35.2	7.19	ppmV	
	75-01-4	vinyl chloride				ND	ppmV	
	75-35-4	1,1-dichloroethene	5.500			ND	ppmV	
	75-09-2	methylene chloride				ND	ppmV	
ID: Duplicate	156-60-5	trans 1,2-dichloroethene	7.500			ND	ppmV	
Date: 5/2/2012	75-34-3	1,1-dichloroethane	9.000			ND	ppmV	
Time:	1634-04-4	MTBE				ND	ppmV	
	78-93-3	2-butanone (MEK)				ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	11.300			ND	ppmV	
	67-66-3	chloroform	13.000			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	13.500			ND	ppmV	
	71-43-2	benzene	14.500			ND	ppmV	
	78-87-5	1,2-dichloropropane				ND	ppmV	
	79-01-6	trichloroethene	16.800			ND	ppmV	
	108-88-3	toluene	21.500			ND	ppmV	
	127-18-4	tetrachloroethene	23.200	23.369	62.9	4.13	ppmV	
	108-90-7	chlorobenzene				ND	ppmV	
	100-41-4	ethylbenzene	26.500			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	26.900			ND	ppmV	
	95-47-6	o-xylene	28.200			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			98	11.3	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Boron Time On-Site: 1000 Time Off-Site: 1110

Date: 5/31/12 SVE Blower Run Time: 25528 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:					
Alarm lights off:	(YES)	NO	If no:					
Autodialer Alarm On:	YES	(NO)	If Yes:					
Postion of Swing Panel HOA Switches:								
Control Power Switch	(ON)	OFF	SVE Blower Switch	HAND	OFF	(AUTO)		
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)	
Heat Exchanger Operating	(YES)	NO	If no:					
SVE System appear to be operating properly?	(YES)	NO	If no:					
Moisture Separator Tank Level:	(Empty)	1/4 Full	1/2 Full	3/4 Full	Full	Volume Tranfered:	0	gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.25	in Hg	**System Monitoring Notes:**	
Vacuum Gauge Post-Inline Filter:	4.50	in Hg		
Temperature on Discharge Silencer:	110	°F		
Temperature after Heat Exchanger:	81	°F		
Pressure After Heat Exchanger	12	in H_2O		
Pressure Before Heat Exchanger	20	in H_2O	Flow Rate Based on Pressure Gauge:	335 cfm
Pressure Magnehelic Gauge:	2.6	in H_2O	Flow Rate Based on Vacuum Gauge:	310 cfm
Vacuum Magnehelic Gauge:	>2	in H_2O		
Vacuum Gauge After Manifold:	1.5	in Hg		

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1.25	in Hg	**Vaccum Gauge Reading Notes:**	
EW-2:	1.25	in Hg	EW-12:	1	in Hg		
EW-3:	1	in Hg	EW-13:	1	in Hg		
EW-4:	<1	in Hg	EW-14:	1.5	in Hg		
EW-5:	<1	in Hg	EW-15:	1	in Hg		
EW-6:	<1	in Hg	EW-16:	1	in Hg		
EW-7:	<1	in Hg	EW-17:	<1	in Hg		
EW-8:	<1	in Hg	SS-1:	2	in H2O		
EW-9:	1.25	in Hg	SS-2:	2.5	in H2O		
EW-10:	1.5	in Hg	SS-3:	2.5	in H2O		

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.3	ppm	Detector Tube Readings			
Background Inside SVE Shed:	0.3	ppm	Pre Carbon	YES	(NO)	ppm
Pre Carbon Discharge:	3.5	ppm	Mid Carbon	YES	(NO)	ppm
Mid Carbon Discharge:	0.2	ppm	Post Carbon	YES	(NO)	ppm
Post Carbon Discharge:	0.1	ppm				

Additional Notes:

Duplicate sample collected from Mid-Carbon location.

Samples sent to H+A for GC Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 6/1/2012
ICAL Curve Date: 4/12/2012

DAS

MGN

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.784	14.8	3.03	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
		75-09-2	methylene chloride	15.444			ND	ppmV	
ID:	Pre-Carbon	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Date:	5/31/2012	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
Time:		1634-04-4	MTBE				ND	ppmV	
		78-93-3	2-butanone (MEK)				ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		78-87-5	1,2-dichloropropane				ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755	27.211	1.4	0.03	ppmV	
		127-18-4	tetrachloroethene	29.631	29.580	81.4	5.35	ppmV	
		108-90-7	chlorobenzene				ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.822			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH			5.0	0.17	ppmV	
			total volatiles			103	**8.6**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.841	3.5	0.72	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
		75-09-2	methylene chloride	15.444			ND	ppmV	
ID:	Mid-Carbon	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Date:	5/31/2012	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
Time:		1634-04-4	MTBE				ND	ppmV	
		78-93-3	2-butanone (MEK)				ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		78-87-5	1,2-dichloropropane				ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		108-90-7	chlorobenzene				ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.822			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH			5.0	0.17	ppmV	
			total volatiles			9	**0.9**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	1.800	4.828	15.4	3.15	ppmV	
		75-01-4	vinyl chloride				ND	ppmV	
		75-35-4	1,1-dichloroethene	5.500			ND	ppmV	
		75-09-2	methylene chloride				ND	ppmV	
ID:	Post-Carbon	156-60-5	trans 1,2-dichloroethene	7.500			ND	ppmV	
Date:	5/31/2012	75-34-3	1,1-dichloroethane	9.000			ND	ppmV	
Time:		1634-04-4	MTBE				ND	ppmV	
		78-93-3	2-butanone (MEK)				ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	11.300			ND	ppmV	
		67-66-3	chloroform	13.000			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	13.500			ND	ppmV	
		71-43-2	benzene	14.500			ND	ppmV	
		78-87-5	1,2-dichloropropane				ND	ppmV	
		79-01-6	trichloroethene	16.800			ND	ppmV	
		108-88-3	toluene	21.500			ND	ppmV	
		127-18-4	tetrachloroethene	23.200			ND	ppmV	
		108-90-7	chlorobenzene				ND	ppmV	
		100-41-4	ethylbenzene	26.500			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	26.900			ND	ppmV	
		95-47-6	o-xylene	28.200			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			15	**3.2**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	1.800	4.836	2.9	0.59	ppmV	
		75-01-4	vinyl chloride				ND	ppmV	
		75-35-4	1,1-dichloroethene	5.500			ND	ppmV	
		75-09-2	methylene chloride				ND	ppmV	
ID:	Duplicate	156-60-5	trans 1,2-dichloroethene	7.500			ND	ppmV	
Date:	5/31/2012	75-34-3	1,1-dichloroethane	9.000			ND	ppmV	
Time:		1634-04-4	MTBE				ND	ppmV	
		78-93-3	2-butanone (MEK)				ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	11.300			ND	ppmV	
		67-66-3	chloroform	13.000			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	13.500			ND	ppmV	
		71-43-2	benzene	14.500			ND	ppmV	
		78-87-5	1,2-dichloropropane				ND	ppmV	
		79-01-6	trichloroethene	16.800			ND	ppmV	
		108-88-3	toluene	21.500			ND	ppmV	
		127-18-4	tetrachloroethene	23.200			ND	ppmV	
		108-90-7	chlorobenzene				ND	ppmV	
		100-41-4	ethylbenzene	26.500			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	26.900			ND	ppmV	
		95-47-6	o-xylene	28.200			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			3	**0.6**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Bacon Time On-Site: 1130 Time Off-Site: 1235

Date: 7/17/12 SVE Blower Run Time: 26655 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)	NO		If no:			
SVE System appear to be operating properly?	(YES)	NO		If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: 0 gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.0	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	120	° F
Temperature after Heat Exchanger:	95	° F
Pressure After Heat Exchanger	12	in H_2O
Pressure Before Heat Exchanger	20	in H_2O
Pressure Magnehelic Gauge:	2.6	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.25	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 335 cfm

Flow Rate Based on Vacuum Gauge: 310 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1.25	in Hg	SS-2:	3	in H2O
EW-10:	1.50	in Hg	SS-3:	3	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.4	ppm
Background Inside SVE Shed:	0.4	ppm
Pre Carbon Discharge:	10	ppm
Mid Carbon Discharge:	3.9	ppm
Post Carbon Discharge:	0.1	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	(YES)	NO	1 ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample from Mid-Carbon sample.

Samples sent to HrA for GC Screening.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 7/18/2012
ICAL Curve Date: 4/12/2012

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

MGN

DMC

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 7/17/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.652	53.3627	8.53	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			53	**8.5**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 7/17/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775	24.715	7.7601	1.10	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.575	12.1185	1.94	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			20	**3.0**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 7/17/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			0	**0.0**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Duplicate	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 7/17/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775	24.736	0.8932	0.13	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.604	1.3900	0.22	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			2	**0.3**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Baran	Time On-Site: 1150	Time Off-Site: 1300	
Date: 8/23/12	SVE Blower Run Time: 27543 hours	VDF: 60 hertz	

SYSTEM STATUS

SVE System Operating:	(YES) NO	If no:	
Alarm lights off:	(YES) NO	If no:	
Autodialer Alarm On:	YES (NO)	If Yes:	

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)	OFF	SVE Blower Switch	HAND	OFF	(AUTO)	
M/S Effluent Pump Switch	HAND (OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)	
Heat Exchanger Operating	(YES) NO	If no:					
SVE System appear to be operating properly?	(YES) NO	If no:					
Moisture Separator Tank Level:	(Empty)	1/4 Full	1/2 Full	3/4 Full	Full	Volume Tranfered:	ϕ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	120	° F
Temperature after Heat Exchanger:	90	° F
Pressure After Heat Exchanger	10	in H_2O
Pressure Before Heat Exchanger	20	in H_2O
Pressure Magnehelic Gauge:	2.6	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.0	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 333 cfm
Flow Rate Based on Vacuum Gauge: 310 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1.25	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	3	in H2O
EW-10:	1.5	in Hg	SS-3:	3	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.5	ppm
Background Inside SVE Shed:	0.5	ppm
Pre Carbon Discharge:	6.2	ppm
Mid Carbon Discharge:	3.9	ppm
Post Carbon Discharge:	0	ppm

Detector Tube Readings

Pre Carbon	(YES) NO	5	ppm
Mid Carbon	(YES) NO	3	ppm
Post Carbon	YES (NO)		ppm

Additional Notes:

Duplicate sample collected from Mid-Carbon location.

Samples sent to H+A for GL Screening.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 8/24/2012

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

ICAL Curve Date: 4/12/2012

EHS

MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 8/23/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
Temp = °F	67-66-3	chloroform	20.437			ND	ppmV	
Flow = 280 SCFM	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775	24.794	1.2447	0.18	ppmV	
	108-88-3	toluene	27.755	27.785	1.5189	0.04	ppmV	
	127-18-4	tetrachloroethene	29.631	29.667	114.6447	18.32	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			117	**18.5**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 8/23/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775	24.797	2.6547	0.38	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.655	40.8321	6.52	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			43	**6.9**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Mid-Carbon Dup	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 8/23/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775	24.819	2.7704	0.39	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.685	43.4097	6.94	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			46	**7.3**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 8/23/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			0	**0.0**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Boron Time On-Site: 1000 Time Off-Site: 1100
Date: 9/18/12 SVE Blower Run Time: 2816A hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating		(YES)	NO	If no:			
SVE System appear to be operating properly?		(YES)	NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: Ø gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	5	in Hg
Temperature on Discharge Silencer:	120	° F
Temperature after Heat Exchanger:	90	° F
Pressure After Heat Exchanger	18	in H_2O
Pressure Before Heat Exchanger	24	in H_2O
Pressure Magnehelic Gauge:	2.5	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 333 cfm
Flow Rate Based on Vacuum Gauge: 308 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	3	in H2O
EW-10:	1.25	in Hg	SS-3:	2.5	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.3	ppm
Background Inside SVE Shed:	0.5	ppm
Pre Carbon Discharge:	9.5	ppm
Mid Carbon Discharge:	Ø	ppm
Post Carbon Discharge:	Ø	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:
Duplicate sample from Pre-Carbon location.
Samples sent to H+A for GL Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 9/19/2012
ICAL Curve Date: 4/12/2012

MGN

DMC

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 9/18/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775	24.890	1.2002	0.17	ppmV	
	108-88-3	toluene	27.755	27.866	1.4338	0.04	ppmV	
	127-18-4	tetrachloroethene	29.631	29.734	98.2259	15.69	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			101	**15.9**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 9/18/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775	24.827	0.9546	0.14	ppmV	
	108-88-3	toluene	27.755	27.806	1.3439	0.04	ppmV	
	127-18-4	tetrachloroethene	29.631	29.682	94.6595	15.12	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			97	**15.3**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 9/18/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			0	**0.0**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024			ND	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 9/18/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			0	**0.0**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Boron Time On-Site: 1320 Time Off-Site: 1420

Date: 11/1/12 SVE Blower Run Time: 29,223 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:				
Alarm lights off:	(YES)	NO	If no:				
Autodialer Alarm On:	YES	(NO)	If Yes:				
Postion of Swing Panel HOA Switches:							
Control Power Switch	(ON)	OFF	SVE Blower Switch	HAND	OFF	(AUTO)	
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)	NO	If no:				
SVE System appear to be operating properly?	(YES)	NO	If no:				
Moisture Separator Tank Level:	(Empty)	1/4 Full	1/2 Full	3/4 Full	Full	Volume Tranfered:	Ø gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	5	in Hg
Temperature on Discharge Silencer:	116	° F
Temperature after Heat Exchanger:	80	° F
Pressure After Heat Exchanger	18	in H_2O
Pressure Before Heat Exchanger	22	in H_2O
Pressure Magnehelic Gauge:	2.5	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 330 cfm

Flow Rate Based on Vacuum Gauge: 308 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2.5	in H2O
EW-10:	1.25	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.4	ppm
Background Inside SVE Shed:	0.4	ppm
Pre Carbon Discharge:	7.2	ppm
Mid Carbon Discharge:	0.1	ppm
Post Carbon Discharge:	0	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample from Pre-Carbon location.

Samples sent to H+A for GC Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 11/4/2012
ICAL Curve Date: 4/12/2012

DAS

MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.752	16.1655	3.89	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 11/1/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.676	50.3843	8.05	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH			17.0000	0.59	ppmV	
		total volatiles			84	**12.5**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.797	17.1423	4.12	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 11/1/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755	27.839	2.0635	0.06	ppmV	
	127-18-4	tetrachloroethene	29.631	29.710	67.0151	10.71	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH			5.0000	0.17	ppmV	
		total volatiles			91	**15.1**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.825	17.3389	4.17	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 11/1/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH			32.0000	1.12	ppmV	
		total volatiles			49	**5.3**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.850	0.6398	0.15	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 11/2/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH			19.0000	0.66	ppmV	
		total volatiles			20	**0.8**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Baron Time On-Site: 1535 Time Off-Site: 1630

Date: 11/29/12 SVE Blower Run Time: 29894 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating		(YES)	NO	If no:			
SVE System appear to be operating properly?		(YES)	NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: Ø gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	5	in Hg
Temperature on Discharge Silencer:	110	° F
Temperature after Heat Exchanger:	80	° F
Pressure After Heat Exchanger	18	in H_2O
Pressure Before Heat Exchanger	20	in H_2O
Pressure Magnehelic Gauge:	2.6	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 336 cfm

Flow Rate Based on Vacuum Gauge: 308 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	<1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	1.5	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1	in Hg	SS-3:	1.5	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.2	ppm
Background Inside SVE Shed:	0.1	ppm
Pre Carbon Discharge:	8.3	ppm
Mid Carbon Discharge:	Ø	ppm
Post Carbon Discharge:	Ø	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Change In-Line Filter.
Duplicate sample from Pre-Carbon.
Samples sent to H+A for GC Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 12/4/2012
ICAL Curve Date: 4/12/2012

TRB

MGN

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.827	1.8134	0.44	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	11/29/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437	20.461	2.8696	0.97	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755	27.920	2.9844	0.09	ppmV	
		127-18-4	tetrachloroethene	29.631	29.789	57.5706	9.20	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			65	**10.7**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.804	21.7717	5.24	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	11/29/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437	20.385	2.5443	0.86	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755	27.869	2.9444	0.09	ppmV	
		127-18-4	tetrachloroethene	29.631	30.623	4.0697	0.65	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			31	**6.8**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.795	21.8279	5.25	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	11/29/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			22	**5.3**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.815	21.5497	5.18	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	11/29/2012	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755	27.895	2.6536	0.08	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			24	**5.3**	ppmV	

NON ROUTINE MAINTENANCE FORM
OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

NAME: Chris Baran	TIME ON SITE: 1400
DATE: 2/1/13	TIME OFF SITE: 1600

SYSTEM STATUS	ALARM CONDITION: YES	NO
Date and time alarm received:	Variable Freqvency Drive (VFD) was replaced 2/1/13	
Description of alarm condition:	SVE system shut down due to faulty VFD on December 17, 2012	
Date and time system restarted:		

DESCRIPTION OF ACTIVITIES

VFD needed to be programmed and SVE System turned back on.

SVE System was restarted at 1500 on 2/1/13

Previous SVE blower Run Time was 20064.6 Current Timer
+ 10172 Previous Timer
30236.6

System operating at 30Hz at startup through 2/4/13

Operating parameter to be assessed on 2/4/13

SUBCONTRACTORS	TIME ON SITE	TIME OFF SITE
CER Electrical Contractor	1420	1515

Comments:

ROUTINE MONITORING FORM
OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Beron | Time On-Site: 800 | Time Off-Site: 1100

Date: 2/1/13 | SVE Blower Run Time: 30287.1 hours | VDF: 30 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full | Volume Tranfered: 0 gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	1	in Hg
Vacuum Gauge Post-Inline Filter:	1	in Hg
Temperature on Discharge Silencer:	75	° F
Temperature after Heat Exchanger:	70	° F
Pressure After Heat Exchanger	8	in H_2O
Pressure Before Heat Exchanger	10	in H_2O
Pressure Magnehelic Gauge:	0.9	in H_2O
Vacuum Magnehelic Gauge:	0.9	in H_2O
Vacuum Gauge After Manifold:	<1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: cfm

Flow Rate Based on Vacuum Gauge: cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	<1	in Hg	**Vaccum Gauge Reading Notes:**	
EW-2:	<1	in Hg	EW-12:	<1	in Hg		
EW-3:	<1	in Hg	EW-13:	<1	in Hg		
EW-4:	<1	in Hg	EW-14:	<1	in Hg		
EW-5:	<1	in Hg	EW-15:	<1	in Hg		
EW-6:	<1	in Hg	EW-16:	<1	in Hg		
EW-7:	<1	in Hg	EW-17:	<1	in Hg		
EW-8:	<1	in Hg	SS-1:	<1	in H2O		
EW-9:	<1	in Hg	SS-2:	<1	in H2O		
EW-10:	<1	in Hg	SS-3:	<1	in H2O		

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.2	ppm
Background Inside SVE Shed:	0	ppm
Pre Carbon Discharge:	20	ppm
Mid Carbon Discharge:	NM	ppm
Post Carbon Discharge:	NM	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:
System restarted after replacing the VFD and programing
Tedlar bag screen of Pre-Carbon only.

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name:	Chris Boran	Time On-Site:	800
Time Off-Site:	850		
Date:	2/26/13	SVE Blower Run Time:	30,829.8 hours
VDF:	60 hertz		

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating		(YES)	NO	If no:			
SVE System appear to be operating properly?		(YES)	NO	If no:			
Moisture Separator Tank Level:	(Empty)	1/4 Full	1/2 Full	3/4 Full	Full	Volume Tranfered:	0 gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	100	° F
Temperature after Heat Exchanger:	80	° F
Pressure After Heat Exchanger	2.0	in H_2O
Pressure Before Heat Exchanger	26	in H_2O
Pressure Magnehelic Gauge:	2.7	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:
Autodialer batteries are low.
Light bulb in shed is out.

Flow Rate Based on Pressure Gauge:	342	cfm
Flow Rate Based on Vacuum Gauge:	315	cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1	in Hg
EW-5.	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	NM	ppm
Background Inside SVE Shed:	NM	ppm
Pre Carbon Discharge:	7	ppm
Mid Carbon Discharge:	0.3	ppm
Post Carbon Discharge:	0.1	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:
Tedlar bag OVM Screening done at office.
Duplicate from Pre-Carbon
Samples sent for GL Screening by H&A

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GM Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 2/28/2013
ICAL Curve Date: 1/12/2013

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MGN

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.783	16.0105	3.85	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 2/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.644	19.1869	3.07	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			35	**6.9**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.716	21.7197	5.22	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 2/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755	27.775	1.4903	0.04	ppmV	
	127-18-4	tetrachloroethene	29.631	29.652	32.6623	5.22	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			56	**10.5**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.723	22.7336	5.47	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 2/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			23	**5.5**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.667	23.1855	5.58	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 2/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			23	**5.6**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name:	Chris Boron	Time On-Site:	1600
Time Off-Site:	1700		
Date:	3/26/13	SVE Blower Run Time:	31,509 hours
VDF:	60 hertz		

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating		(YES)	NO	If no:			
SVE System appear to be operating properly?		(YES)	NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: 0 gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	105	° F
Temperature after Heat Exchanger:	80	° F
Pressure After Heat Exchanger	19	in H_2O
Pressure Before Heat Exchanger	26	in H_2O
Pressure Magnehelic Gauge:	2.7	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 342 cfm
Flow Rate Based on Vacuum Gauge: 315 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	<1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.7	ppm
Background Inside SVE Shed:	0.8	ppm
Pre Carbon Discharge:	5.7	ppm
Mid Carbon Discharge:	0.7	ppm
Post Carbon Discharge:	0.8	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:
Duplicate sample collected from Mid-Carbon
Samples sent to H+A for GC Screening.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 3/29/2013
ICAL Curve Date: 1/12/2013

MGN

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Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.870	15.7158	3.78	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	3/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755	27.915	2.0861	0.06	ppmV	
		127-18-4	tetrachloroethene	29.631	29.790	25.8705	4.13	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			44	**8.0**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.830	14.7754	3.55	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	3/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			15	**3.6**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.793	15.1057	3.63	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	3/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			15	**3.6**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.795	15.7009	3.78	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	3/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			16	**3.8**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Boron Time On-Site: 1030 Time Off-Site: 1130
Date: 4/24/13 SVE Blower Run Time: 32,199 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:				
Alarm lights off:	(YES)	NO	If no:				
Autodialer Alarm On:	YES	(NO)	If Yes:				
Postion of Swing Panel HOA Switches:							
Control Power Switch	(ON)	OFF	SVE Blower Switch	HAND	OFF	(AUTO)	
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)	NO	If no:				
SVE System appear to be operating properly?	(YES)	NO	If no:				
Moisture Separator Tank Level:	(Empty)	1/4 Full	1/2 Full	3/4 Full	Full	Volume Tranfered:	∅ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	110	°F
Temperature after Heat Exchanger:	80	°F
Pressure After Heat Exchanger	20	in H_2O
Pressure Before Heat Exchanger	24	in H_2O
Pressure Magnehelic Gauge:	2.7	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.0	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 342 cfm
Flow Rate Based on Vacuum Gauge: 315 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1.25	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.6	ppm
Background Inside SVE Shed:	0.6	ppm
Pre Carbon Discharge:	6.2	ppm
Mid Carbon Discharge:	0.5	ppm
Post Carbon Discharge:	0.3	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:
Duplicate sample collected at Pre-Carbon
Samples sent to H+A for GL Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 4/25/2013
ICAL Curve Date: 1/12/2013

MGN

DMC

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.806	1.0921	0.26	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 4/24/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.789	31.4437	5.02	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH		32.200	32.4895	1.13	ppmV	
		total volatiles			65	**6.4**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.732	1.0362	0.25	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 4/24/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH		34.200	32.4895	1.13	ppmV	
		total volatiles			34	**1.4**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.721	1.1722	0.28	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 4/24/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH		30.500	10.3700	0.36	ppmV	
		total volatiles			12	**0.6**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.723	2.2500	0.54	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 4/24/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.638	32.8310	5.25	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	108-38-3/106-42-3	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH		38.307	1.7000	0.06	ppmV	
		total volatiles			37	**5.8**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: C. Boron Time On-Site: 1320 Time Off-Site: 1420

Date: 5/30/13 SVE Blower Run Time: 33,066 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: 0 gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.25	in Hg
Vacuum Gauge Post-Inline Filter:	5	in Hg
Temperature on Discharge Silencer:	112	°F
Temperature after Heat Exchanger:	90	°F
Pressure After Heat Exchanger	18	in H_2O
Pressure Before Heat Exchanger	24	in H_2O
Pressure Magnehelic Gauge:	2.7	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 340 cfm

Flow Rate Based on Vacuum Gauge: 315 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	3	in H2O
EW-10:	1.25	in Hg	SS-3:	3	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.4	ppm
Background Inside SVE Shed:	0.3	ppm
Pre Carbon Discharge:	5.3	ppm
Mid Carbon Discharge:	2.2	ppm
Post Carbon Discharge:	0.8	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:
Duplicate sample collected from Mid-Carbon.
Samples sent to H&A for GL Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 38785-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 6/2/2013
ICAL Curve Date: 1/12/2013

HAH

DMC

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.	REMARKS
	74-82-8	methane	5.024			ND ppmV	
	75-01-4	vinyl chloride	8.072			ND ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND ppmV	
ID: Pre-Carbon	75-09-2	methylene chloride	15.444			ND ppmV	
Date: 5/30/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND ppmV	
	67-66-3	chloroform	20.437			ND ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND ppmV	
	71-43-2	benzene	23.071			ND ppmV	
	79-01-6	trichloroethene	24.775			ND ppmV	
	108-88-3	toluene	27.755			ND ppmV	
	127-18-4	tetrachloroethene	29.631	29.619	29.1919	4.66 ppmV	
	100-41-4	ethylbenzene	31.355			ND ppmV	
	108-38-3/106-42	m/p-xylene	31.622			ND ppmV	
	95-47-6	o-xylene	32.497			ND ppmV	
		Unknown TPH				ND ppmV	
		total volatiles			29	4.7 ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.	REMARKS
	74-82-8	methane	5.024			ND ppmV	
	75-01-4	vinyl chloride	8.072			ND ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND ppmV	
ID: Mid-Carbon	75-09-2	methylene chloride	15.444			ND ppmV	
Date: 5/30/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND ppmV	
	67-66-3	chloroform	20.437			ND ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND ppmV	
	71-43-2	benzene	23.071			ND ppmV	
	79-01-6	trichloroethene	24.775	24.677	5.1281	0.73 ppmV	
	108-88-3	toluene	27.755			ND ppmV	
	127-18-4	tetrachloroethene	29.631	29.533	1.8251	0.29 ppmV	
	100-41-4	ethylbenzene	31.355			ND ppmV	
	108-38-3/106-42	m/p-xylene	31.622			ND ppmV	
	95-47-6	o-xylene	32.497			ND ppmV	
		Unknown TPH				ND ppmV	
		total volatiles			7	1.0 ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.	REMARKS
	74-82-8	methane	5.024			ND ppmV	
	75-01-4	vinyl chloride	8.072			ND ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND ppmV	
ID: Post-Carbon	75-09-2	methylene chloride	15.444			ND ppmV	
Date: 5/30/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND ppmV	
	67-66-3	chloroform	20.437			ND ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND ppmV	
	71-43-2	benzene	23.071			ND ppmV	
	79-01-6	trichloroethene	24.775			ND ppmV	
	108-88-3	toluene	27.755			ND ppmV	
	127-18-4	tetrachloroethene	29.631			ND ppmV	
	100-41-4	ethylbenzene	31.355			ND ppmV	
	108-38-3/106-42	m/p-xylene	31.622			ND ppmV	
	95-47-6	o-xylene	32.497			ND ppmV	
		Unknown TPH				ND ppmV	
		total volatiles			0	0.0 ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.	REMARKS
	74-82-8	methane	5.024			ND ppmV	
	75-01-4	vinyl chloride	8.072			ND ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND ppmV	
ID: DUP	75-09-2	methylene chloride	15.444			ND ppmV	
Date: 5/30/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND ppmV	
	67-66-3	chloroform	20.437			ND ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND ppmV	
	71-43-2	benzene	23.071			ND ppmV	
	79-01-6	trichloroethene	24.775	24.629	5.3444	0.76 ppmV	
	108-88-3	toluene	27.755			ND ppmV	
	127-18-4	tetrachloroethene	29.631	29.494	1.6370	0.26 ppmV	
	100-41-4	ethylbenzene	31.355			ND ppmV	
	108-38-3/106-42	m/p-xylene	31.622			ND ppmV	
	95-47-6	o-xylene	32.497			ND ppmV	
		Unknown TPH				ND ppmV	
		total volatiles			7	1.0 ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Baron Time On-Site: 1455 Time Off-Site: 1600

Date: 6/26/13 SVE Blower Run Time: 33677 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating		(YES)	NO	If no:			
SVE System appear to be operating properly?		(YES)	NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: 0 gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4	in Hg
Vacuum Gauge Post-Inline Filter:	5	in Hg
Temperature on Discharge Silencer:	110	°F
Temperature after Heat Exchanger:	90	°F
Pressure After Heat Exchanger	18	in H_2O
Pressure Before Heat Exchanger	22	in H_2O
Pressure Magnehelic Gauge:	2.6	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 330 cfm

Flow Rate Based on Vacuum Gauge: 308 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1.25	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	3	in H2O
EW-10:	1.5	in Hg	SS-3:	2.5	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	NM	ppm
Background Inside SVE Shed:	NM	ppm
Pre Carbon Discharge:	9.2	ppm
Mid Carbon Discharge:	3.8	ppm
Post Carbon Discharge:	0.5	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample from Pre Carbon location

In-Line filter changed

Samples screened w/ OVM at GZA office

Samples to WHA for GC Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis:6/28/2013
ICAL Curve Date:1/12/2013

HAH
DMC

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.680	1.4539	0.35	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	6/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631	29.581	47.5626	7.60	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			49	**7.9**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.608	1.8971	0.46	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	6/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883	20.107	5.0436	0.71	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775	24.599	11.4386	1.62	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631	29.465	7.8951	1.26	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			26	**4.0**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.560	18.4134	4.43	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	6/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			18	**4.4**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.576	16.9644	4.08	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	6/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631	29.435	51.5535	8.24	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			69	**12.3**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Boron Time On-Site: 1325 Time Off-Site: 1430
Date: 7/29/13 SVE Blower Run Time: 34,454 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: ϕ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.5	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	110	°F
Temperature after Heat Exchanger:	90	°F
Pressure After Heat Exchanger	18	in H_2O
Pressure Before Heat Exchanger	24	in H_2O
Pressure Magnehelic Gauge:	2.75	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.25	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 342 cfm
Flow Rate Based on Vacuum Gauge: 316 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	1	in Hg	EW-11:	1	in Hg
EW-2:	1.5	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.5	in Hg
EW-5:	<1	in Hg	EW-15:	1.25	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	1	in Hg	EW-17:	1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1.25	in Hg	SS-2:	2	in H2O
EW-10:	1.5	in Hg	SS-3:	3	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	1.0	ppm
Background Inside SVE Shed:	1.5	ppm
Pre Carbon Discharge:	8.0	ppm
Mid Carbon Discharge:	0.4	ppm
Post Carbon Discharge:	0.4	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:
Duplicate from Pre Carbon location
Samples sent to H+A for GC Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GM Lockport
File No: 36705-033
Sample Type: BLDG-10 SVE/SSD

Date of Analysis:7/30/2013
ICAL Curve Date:1/12/2013

MGN

DMC

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.806	2.0763	0.50	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 7/29/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.657	42.2090	6.74	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	)8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			44	**7.2**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.748	1.7304	0.42	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 7/29/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	)8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			2	**0.4**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.770	15.9923	3.85	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 7/29/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	)8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			16	**3.8**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.740	16.5177	3.97	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 7/29/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.604	44.3197	7.08	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	)8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			61	**11.1**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: C. Bevan Time On-Site: 750 Time Off-Site: 850

Date: 8/26/13 SVE Blower Run Time: 35114 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: 0 gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.5	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	112	° F
Temperature after Heat Exchanger:	82	° F
Pressure After Heat Exchanger	17	in H_2O
Pressure Before Heat Exchanger	22	in H_2O
Pressure Magnehelic Gauge:	2.7	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.25	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 342 cfm

Flow Rate Based on Vacuum Gauge: 316 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.25	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	1	in Hg	EW-17:	1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	3	in H2O
EW-10:	1.5	in Hg	SS-3:	3	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.3	ppm
Background Inside SVE Shed:	0.3	ppm
Pre Carbon Discharge:	7.7	ppm
Mid Carbon Discharge:	0.4	ppm
Post Carbon Discharge:	0.3	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample from Mid-Carbon

Samples sent to H+A for GC Screening.

Heat Exchanger cooling fins have been cleaned.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-033
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 8/27/2013
ICAL Curve Date: 1/12/2013

HAH
DMC

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.712	18.1000	4.35	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 8/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.595	39.4653	6.31	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	)8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			58	**10.7**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.625	20.4000	4.91	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 8/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	)8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			20	**4.9**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.649	19.1500	4.61	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 8/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	)8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			19	**4.6**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.594	23.1400	5.57	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 8/26/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071	23.154	2.5050	0.11	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	)8-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			26	**5.7**	ppmV	

ROUTINE MONITORING FORM

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Chris Baron | Time On-Site: 1405 | Time Off-Site: 1505

Date: 9/16/17 | SVE Blower Run Time: 35,625 hours | VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:				
Alarm lights off:	(YES)	NO	If no:				
Autodialer Alarm On:	YES	(NO)	If Yes:				
Postion of Swing Panel HOA Switches:							
Control Power Switch	(ON)	OFF	SVE Blower Switch	HAND	OFF	(AUTO)	
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)	NO	If no:				
SVE System appear to be operating properly?	(YES)	NO	If no:				
Moisture Separator Tank Level	(Empty)	1/4 Full	1/2 Full	3/4 Full	Full	Volume Tranfered:	∅ gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.5	in Hg
Vacuum Gauge Post-Inline Filter:	4.5	in Hg
Temperature on Discharge Silencer:	110	°F
Temperature after Heat Exchanger:	75	°F
Pressure After Heat Exchanger	18	in H_2O
Pressure Before Heat Exchanger	24	in H_2O
Pressure Magnehelic Gauge:	2.7	in H_2O
Vacuum Magnehelic Gauge:	22	in H_2O
Vacuum Gauge After Manifold:	1.5	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 344 cfm

Flow Rate Based on Vacuum Gauge: 316 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	1	in Hg	EW-11:	1	in Hg
EW-2:	<1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.5	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	3	in H2O
EW-10:	1.5	in Hg	SS-3:	2.5	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.3	ppm
Background Inside SVE Shed:	0.3	ppm
Pre Carbon Discharge:	6.0	ppm
Mid Carbon Discharge:	0.5	ppm
Post Carbon Discharge:	0.1	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample from Pre Carbon
Samples sent to H+A for GC Screening.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis: 9/18/2013
ICAL Curve Date: 1/12/2013

HAH
DMC

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.720	3.0400	0.73	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	9/18/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755	27.710	1.4438	0.04	ppmV	
		127-18-4	tetrachloroethene	29.631	29.576	42.3038	6.76	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			47	**7.5**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.673	2.6900	0.65	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	9/16/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			3	**0.6**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.685	1.9400	0.47	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	9/16/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			2	**0.5**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.673	2.2200	0.53	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	9/16/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631	29.550	39.6268	6.33	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			42	**6.9**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: C. Boron Time On-Site: 1300 Time Off-Site: 1430

Date: 10/22/13 SVE Blower Run Time: 36,488 hours VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating		(YES)	NO	If no:			
SVE System appear to be operating properly?		(YES)	NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full Volume Tranfered: gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.5	in Hg
Vacuum Gauge Post-Inline Filter:	5.0	in Hg
Temperature on Discharge Silencer:	100	° F
Temperature after Heat Exchanger:	70	° F
Pressure After Heat Exchanger	18	in H_2O
Pressure Before Heat Exchanger	23	in H_2O
Pressure Magnehelic Gauge:	2.7	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1.5	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 345 cfm

Flow Rate Based on Vacuum Gauge: 316 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1	in Hg	EW-12:	1	in Hg
EW-3:	1	in Hg	EW-13:	1	in Hg
EW-4:	<1	in Hg	EW-14:	1.5	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	1	in Hg
EW-8:	<1	in Hg	SS-1:	2	in H2O
EW-9:	1	in Hg	SS-2:	2.5	in H2O
EW-10:	1.5	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	1.8	ppm
Background Inside SVE Shed:	2.2	ppm
Pre Carbon Discharge:	8.2	ppm
Mid Carbon Discharge:	2.7	ppm
Post Carbon Discharge:	1.2	ppm

Detector Tube Readings

Pre Carbon	(YES)	NO	4	ppm
Mid Carbon	(YES)	NO	0.5	ppm
Post Carbon	YES	(NO)		ppm

Additional Notes:

Duplicate sample from Mid Carbon location.

Samples sent to H+A for GC Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis:10/28/2013
ICAL Curve Date:1/12/2013

HAH

DMC

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.841	20.8000	5.00	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 10/22/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437			ND	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	29.745	29.0253	4.64	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			50	**9.8**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.792	21.7196	5.22	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 10/22/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883	19.425	2.3555	0.33	ppmV	
	67-66-3	chloroform	20.437	20.318	1.3546	0.46	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775	24.807	4.9051	0.69	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			30	**6.7**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.765	21.7376	5.23	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 10/22/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437	20.294	0.9957	0.34	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775			ND	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631			ND	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			23	**5.6**	ppmV	

Sample Identification	CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
	74-82-8	methane	5.024	4.757	22.2566	5.35	ppmV	
	75-01-4	vinyl chloride	8.072			ND	ppmV	
	75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID: DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date: 10/22/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:	75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
	156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
	67-66-3	chloroform	20.437	20.265	1.4402	0.49	ppmV	
	71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
	71-43-2	benzene	23.071			ND	ppmV	
	79-01-6	trichloroethene	24.775	24.745	6.7374	0.95	ppmV	
	108-88-3	toluene	27.755			ND	ppmV	
	127-18-4	tetrachloroethene	29.631	30.508	2.3215	0.37	ppmV	
	100-41-4	ethylbenzene	31.355			ND	ppmV	
	08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
	95-47-6	o-xylene	32.497			ND	ppmV	
		Unknown TPH				ND	ppmV	
		total volatiles			33	**7.2**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Tom Bohlen | Time On-Site: 1515 | Time Off-Site: 1615

Date: | SVE Blower Run Time: 37547 hours | VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full | Volume Tranfered: 0 gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	4.25	in Hg
Vacuum Gauge Post-Inline Filter:	5	in Hg
Temperature on Discharge Silencer:	111	° F
Temperature after Heat Exchanger:	73	° F
Pressure After Heat Exchanger	18	in H_2O
Pressure Before Heat Exchanger	22	in H_2O
Pressure Magnehelic Gauge:	2.6	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 338 cfm

Flow Rate Based on Vacuum Gauge: 308 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1.1	in Hg	EW-12:	<1	in Hg
EW-3:	<1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.1	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	1.5	in H2O
EW-9:	1	in Hg	SS-2:	2.5	in H2O
EW-10:	1.2	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.7	ppm
Background Inside SVE Shed:	0.8	ppm
Pre Carbon Discharge:	4.4	ppm
Mid Carbon Discharge:	1.0	ppm
Post Carbon Discharge:	0.4	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:
Duplicate sample collected from Mid-Carbon
Samples sent to H+A for GL Screen.

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Date of Analysis: 12/6/2013
ICAL Curve Date:1/12/2013

HAH

DMC

Client: GMCH Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.740	28.4156	6.83	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	12/5/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755	27.780	1.6730	0.05	ppmV	
		127-18-4	tetrachloroethene	29.631	29.655	33.6662	5.38	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			64	**12.3**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.725	31.0800	7.48	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	12/5/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883	19.387	0.5952	0.08	ppmV	
		67-66-3	chloroform	20.437	20.280	1.0975	0.37	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775	24.775	3.0407	0.43	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631	29.651	1.3847	0.22	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			37	**8.6**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.746	32.5800	7.84	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	12/5/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			33	**7.8**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.732	28.7000	6.90	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	12/5/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437	20.288	1.0297	0.35	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775	24.767	3.4100	0.48	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631	29.632	1.7500	0.28	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			35	**8.0**	ppmV	

OPERATION, MAINTENANCE AND MONITORING PLAN
SVE/SSD SYSTEM
GM COMPONENTS HOLDINGS, LLC
LOCKPORT, NEW YORK

Name: Tom Bohler | Time On-Site: 930 | Time Off-Site: 1030

Date: 12/30/13 | SVE Blower Run Time: 38,074 hours | VDF: 60 hertz

SYSTEM STATUS

SVE System Operating:	(YES)	NO	If no:
Alarm lights off:	(YES)	NO	If no:
Autodialer Alarm On:	YES	(NO)	If Yes:

Postion of Swing Panel HOA Switches:

Control Power Switch	(ON)		OFF	SVE Blower Switch	HAND	OFF	(AUTO)
M/S Effluent Pump Switch	HAND	(OFF)	AUTO	Heat Exchanger Switch	HAND	OFF	(AUTO)
Heat Exchanger Operating	(YES)		NO	If no:			
SVE System appear to be operating properly?	(YES)		NO	If no:			

Moisture Separator Tank Level: (Empty) 1/4 Full 1/2 Full 3/4 Full Full | Volume Tranfered: Ø gals

SYSTEM MONITORING READINGS

Vacuum Gauge Pre-Inline Filter:	5	in Hg
Vacuum Gauge Post-Inline Filter:	4.3	in Hg
Temperature on Discharge Silencer:	109	° F
Temperature after Heat Exchanger:	74	° F
Pressure After Heat Exchanger	17	in H_2O
Pressure Before Heat Exchanger	21	in H_2O
Pressure Magnehelic Gauge:	2.7	in H_2O
Vacuum Magnehelic Gauge:	>2	in H_2O
Vacuum Gauge After Manifold:	1	in Hg

System Monitoring Notes:

Flow Rate Based on Pressure Gauge: 344 cfm

Flow Rate Based on Vacuum Gauge: 316 cfm

EXTRACTION WELL VACUUM GAUGE READINGS

EW -1:	<1	in Hg	EW-11:	1	in Hg
EW-2:	1.1	in Hg	EW-12:	<1	in Hg
EW-3:	1	in Hg	EW-13:	<1	in Hg
EW-4:	<1	in Hg	EW-14:	1.1	in Hg
EW-5:	<1	in Hg	EW-15:	1	in Hg
EW-6:	<1	in Hg	EW-16:	1	in Hg
EW-7:	<1	in Hg	EW-17:	<1	in Hg
EW-8:	<1	in Hg	SS-1:	1.5	in H2O
EW-9:	1	in Hg	SS-2:	2	in H2O
EW-10:	1.2	in Hg	SS-3:	2	in H2O

Vaccum Gauge Reading Notes:

AIR FLOW FIELD SCREENING

Background Outside SVE Shed:	0.7	ppm
Background Inside SVE Shed:	0.7	ppm
Pre Carbon Discharge:	4.9	ppm
Mid Carbon Discharge:	0.7	ppm
Post Carbon Discharge:	0	ppm

Detector Tube Readings

Pre Carbon	YES	(NO)	ppm
Mid Carbon	YES	(NO)	ppm
Post Carbon	YES	(NO)	ppm

Additional Notes:

Duplicate sample collected from Pre-Carbon location.

Samples sent to H+A for GC Screening

GAS CHROMATOGRAPHY REPORT SHEET
GC SCREENING RESULTS
DIRECT INJECT

Client: GM Lockport
File No: 36795-010
Sample Type: BLDG-10 SVE/SSD

Date of Analysis:12/31/2013
ICAL Curve Date:1/12/2013

HAH

DMC

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.842	19.4700	4.68	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Pre-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	12/30/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631	29.768	18.4864	2.95	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42-	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			38	**7.6**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.814	18.7900	4.52	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Mid-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	12/30/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437	20.364	0.7581	0.26	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775	24.840	1.5227	0.22	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631	29.699	2.0198	0.32	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42-	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			23	**5.3**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.795	17.9700	4.32	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	Post-Carbon	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	12/30/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631			ND	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42-	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			18	**4.3**	ppmV	

Sample Identification		CASRN	Target Compound	Cal. Ret. Time (min.)	Ret. Time (min.)	Det. Resp. (Area Cts.)	Conc.		REMARKS
		74-82-8	methane	5.024	4.821	18.1300	4.36	ppmV	
		75-01-4	vinyl chloride	8.072			ND	ppmV	
		75-35-4	1,1-dichloroethene	15.150			ND	ppmV	
ID:	DUP	75-09-2	methylene chloride	15.444			ND	ppmV	
Date:	12/30/2013	156-60-5	trans 1,2-dichloroethene	17.746			ND	ppmV	
Time:		75-34-3	1,1-dichloroethane	18.185			ND	ppmV	
		156-59-2	cis 1,2-dichloroethene	19.883			ND	ppmV	
		67-66-3	chloroform	20.437			ND	ppmV	
		71-55-6	1,1,1-trichloroethane	22.281			ND	ppmV	
		71-43-2	benzene	23.071			ND	ppmV	
		79-01-6	trichloroethene	24.775			ND	ppmV	
		108-88-3	toluene	27.755			ND	ppmV	
		127-18-4	tetrachloroethene	29.631	29.703	26.5912	4.25	ppmV	
		100-41-4	ethylbenzene	31.355			ND	ppmV	
		08-38-3/106-42-	m/p-xylene	31.622			ND	ppmV	
		95-47-6	o-xylene	32.497			ND	ppmV	
			Unknown TPH				ND	ppmV	
			total volatiles			45	**8.6**	ppmV	