

May 27, 2021

Keld Lauridsen  
Hydrogeologist  
Wisconsin Department of Natural Resources Remediation and Redevelopment  
2984 Shawano Avenue  
Green Bay, WI 54313

**Re: Site Status Update for Econo Wash – SL, BRRTS #02-43-547861 – Westwood Project No. R3000914.00**

Dear Mr. Lauridsen:

Westwood Infrastructure, Inc (Westwood) is providing this site status update for the Econo Wash Property (BRRTS ID #02-43-547861) located at 113 E Main Street in Gillett, Wisconsin (Site) (reference Figure 1 – Location Map, attached). Westwood completed sub-slab vapor sampling at the adjoining properties to assess off-site vapor conditions and groundwater sampling at the Site based on an agreed upon scope of work between the Wisconsin Department of Natural Resources (WDNR), and Westwood.

## Background

Mr. Keld Lauridsen, Project Manager of the Econo Wash Property, directed Westwood to proceed with the sub-slab vapor sampling on the adjoining properties and groundwater sampling at the Site. Sampling activities were completed on May 12, 2021. The WDNR provided Westwood with access agreements to the four adjoining properties. The access agreements on the adjoining properties remains in effect until June 1, 2021.

## Work Conducted

On May 12, 2021, Westwood staff mobilized to the Site to conduct sub-slab vapor sampling at the four adjoining properties located at 109 East Main Street, 119 East Main Street, 121 East Main Street, and 119 East Railroad Street (reference Figure 2 – Detailed Site Map; Figure 3 – 2012 Groundwater Plume Map, attached). Westwood collected one sub-slab vapor sample from each building except for 119 East Railroad Street where two sub-slab samples were collected. Westwood had issues accessing the vapor pin located at 109 Main Street, however the owner's husband stopped by to grant Westwood access to the building.

A water dam was placed around the vapor pins to verify and ensure a proper seal. The water dam showed no visual indications of air gaps or compromised sampling conditions at any of the vapor pins. Once the sampling pins quality was verified, the tubing connecting the pin to the flow regulator was purged prior to sample collection. Once the tubing was purged, air flow to the vapor canister was engaged. Prior to engaging the regulators, Westwood recorded the initial vacuum readings and times were collected in order

to compare against the vacuum readings at the time of finalizing the sample collection. Vapor canisters were shut off at pressures between four and two inches of mercury (Hg). The final times and pressures were recorded (reference Photo Log, attached). After sub-slab samples were collected the vapor pins were removed and the pin locations were sealed with concrete.

Westwood collected groundwater samples from monitoring wells MW3, MW14, and piezometers P4, and P5. Groundwater elevations were recorded on the well specific field sheets. Color, odor, and turbidity observations were also recorded on the well specific field sheet. The well specific field sheet lists the measured depth to water from top of PVC pipe, mean sea level groundwater elevation, the length of time spent purging and the approximate gallons of groundwater purged from each monitoring well/piezometers prior to taking the groundwater sample (reference Well Specific Field Sheet, attached).

Purged groundwater from the monitoring wells and piezometers was collected in 5-gallon buckets. The purged groundwater was taken to the City of Gillett's wastewater treatment facility for disposal. Approximately 6-gallons of purge water during the sampling event were disposed of at the treatment facility.

The vapor and groundwater samples were delivered to Synergy Environmental Lab, Inc under standard chain of custody practices. Vapor samples were analyzed for TO-15 to report only Chlorinated Volatile Organic Compounds (CVOCs). Groundwater samples were analyzed for volatile organic compounds (VOCs) (reference Table 1 – Vapor Analytical Table; Table 2 – Groundwater Analytical Table; and Laboratory Report and Chain of Custody, attached).

### **Vapor Analytical Results**

The CVOC results were compared against the Wisconsin (WI) VRSLs November 2017 update. The CVOCs were detected in all of the sampling points collected and are listed below (reference Table 1 – Vapor Analytical Table; and Laboratory Report and Chain of Custody, attached).

#### 109 Main Street

The February 2021 sampling event identified tetrachloroethene (PCE) at 109 Main VP-1 (13.4 micrograms per cubic meter of air (ug/m<sup>3</sup>)), however the concentrations detected were below the WI VRSLs.

The May 2021 sampling event identified PCE (129 ug/m<sup>3</sup>) and trichloroethene (TCE) (2.57 ug/m<sup>3</sup>) at 109 Main VP-1, however the concentrations detected were below the WI VRSLs.

#### 119 Main Street

The February 2021 sampling event identified PCE (37 ug/m<sup>3</sup>) and TCE (3.9 ug/m<sup>3</sup>) at 119 Main VP-1 below the WI VRSLs.

The May 2021 sampling event identified PCE (6100 ug/m<sup>3</sup>) and TCE (230 ug/m<sup>3</sup>) at 119 Main VP-1 exceeding the WI VRSLs.

#### 121 Main Street

The February 2021 sampling event identified PCE at 121 Main VP-1 (36 ug/m<sup>3</sup>) below the WI VRSLs.

The May 2021 sampling event identified PCE at 121 Main VP-1 (35 ug/m<sup>3</sup>) below the WI VRSLs.

### 119 Railroad Street

The February 2021 identified PCE at 119 Railroad VP-1 (1.49 ug/m<sup>3</sup>) and at 119 Railroad VP-2 (54 ug/m<sup>3</sup>) below the WI VRSLs. Cis-1,2-dichloroethene (0.277J ug/m<sup>3</sup>) and TCE (0.43J ug/m<sup>3</sup>) was detected at 119 Railroad VP-2 below the WI VRSLs.

The May 2021 identified PCE (400 ug/m<sup>3</sup>) and TCE (6.3 ug/m<sup>3</sup>) at 119 Railroad VP-1 below the WI VRSLs. PCE (25.4 ug/m<sup>3</sup>) and TCE (0.96 ug/m<sup>3</sup>) were also detected at 119 Railroad VP-2 below WI VRSLs.

### **Groundwater Analytical Results**

Groundwater results were compared against the Wisconsin Administrative Code (WAC) NR 140 Public Health Groundwater Quality Standards (February 2021). VOCs were detected in three of the groundwater samples collected (reference Table 2 – Groundwater Analytical Table; and Laboratory Report and Chain of Custody, attached).

#### Tetrachloroethene (PCE)

During the May 2021 sampling event PCE was detected at MW3 (1,520 ug/L), MW14 (6.2 ug/L) and P5(246 ug/L) exceeding the WAC NR 140 Enforcement Standards (ES). PCE was not detected in piezometer P4.

#### Trichloroethene (TCE)

During the May 2021 sampling event TCE was detected at MW3 (54 ug/L), and P5 (7.3J ug/L) exceeding the WAC NR 140 ES. TCE was detected at MW14 (1.07J ug/L) exceeding the WAC NR 140 Preventive Action Limit (PAL). TCE was not detected in piezometer P4.

#### 1,2-Dichloropropane

During the May 2021 sampling event 1,2-dichloropropane was detected at P5 (5.4J ug/L) exceeding the WAC NR 140 ES. 1,2-dichloropropane was not detected at MW3, MW14, and P4.

#### 1,2-Dichloroethane (DCE)

During the May 2021 sampling event DCE was detected at P5 (4.5J ug/L) exceeding the WAC NR 140 PAL. DCE was not detected at MW3, MW14, and P4.

#### Cis-1,2-Dichloroethene

During the May 2021 sampling event cis-1,2-dichloroethene was detected at MW3 (42 ug/L) exceeding the WAC NR 140 PAL. Cis-1,2-dichloroethene was detected at MW14 below WDNR standards. Cis-1,2-dichloroethene was not detected at P4, and P5.

### **Conclusions**

Based on the latest round of vapor sampling, it appears that vapors are below WI VRSLs at 109 Main VP-1, 121 Main VP-1, and 119 Railroad VP-1. However, PCE (6100 ug/m<sup>3</sup>) and TCE (230 ug/m<sup>3</sup>) detected at 119 Main VP-1 exceeding the WI VRSLs.

Based on the latest round of groundwater sampling, it appears that VOCs were detected in monitoring wells MW3, MW14, and piezometer P5 exceeding WDNR standards. Piezometer P4 did not have any VOC detections.

## Recommendations

Based on the results from 119 Main VP-1 Westwood recommends additional vapor sampling at 119 Main Street. If results stay above WI VRSLs, a vapor mitigation system may need to be installed at 119 Main Street. Additionally, groundwater monitoring wells at the Site should be repaired, resurveyed, and an ongoing groundwater sampling program be conducted.

If you have any questions on the enclosed information, please contact me at (920) 830-6127 or by email at [quin.lenz@westwoodps.com](mailto:quin.lenz@westwoodps.com).

Sincerely,



Quin Lenz  
*Scientist / Hydrogeology*

Enclosure(s)

Figure 1 – Location Map  
Figure 2 – Detailed Site Map  
Figure 3 – 2012 Groundwater Plume Map  
Photo Log  
Well Specific Field Sheets  
Table 1 – Vapor Analytical Table  
Table 2 – Groundwater Analytical Table  
Laboratory Results and Chain of Custody





**WDNR BRRTS #:** 0243547861  
**Site Name:** ECONO WASH - SL  
  
**WDNR Facility ID:** N/A  
**PLSS:** SW¼ of NW¼ of S22 T28N R18E  
**Parcel No.:** 2310422086431  
  
**Lat/Long:** 44° 53' 26.037" N 88° 18' 22.882" W  
**Dec. Long/Lat:** -88.306356 44.890566  
**WTM83(91) (m):** 653,739 492,189  
**County Coord (ft):** 496,840 180,121



**FORMER ECON-O-WASH LAUNDRY  
 LOCATION MAP**  
  
 CITY OF GILLETT  
 OCONTO COUNTY, WISCONSIN

SCALE: AS SHOWN	BRRTS NO. <b>0243547861</b>
Drawn By: JMD	OMNI PROJECT NO. <b>R3000914.00</b>
Checked By:	FIGURE NO. <b>1</b>
Date: 2/22/2021	



- ▲ OMNNI Monitoring Well
- ⊗ OMNNI Piezometer
- ⊕ Northern Env. Soil Boring (approx)
- ◆ Westwood Vapor Pins (2/2/2021)



Project Manager: JMD  
 Project Engineer: JMD  
 Drawn By: JMD  
 Checked By: JMD  
 Date: 2/23/2021

**FORMER ECON-O-WASH LAUNDRY**  
**DETAILED SITE MAP**  
 CITY OF GILLETT  
 OCONTO COUNTY, WISCONSIN

**Westwood**  
 1 Systems Drive  
 Appleton, WI 54914  
 (920) 735-6900  
[www.westwoodps.com](http://www.westwoodps.com)

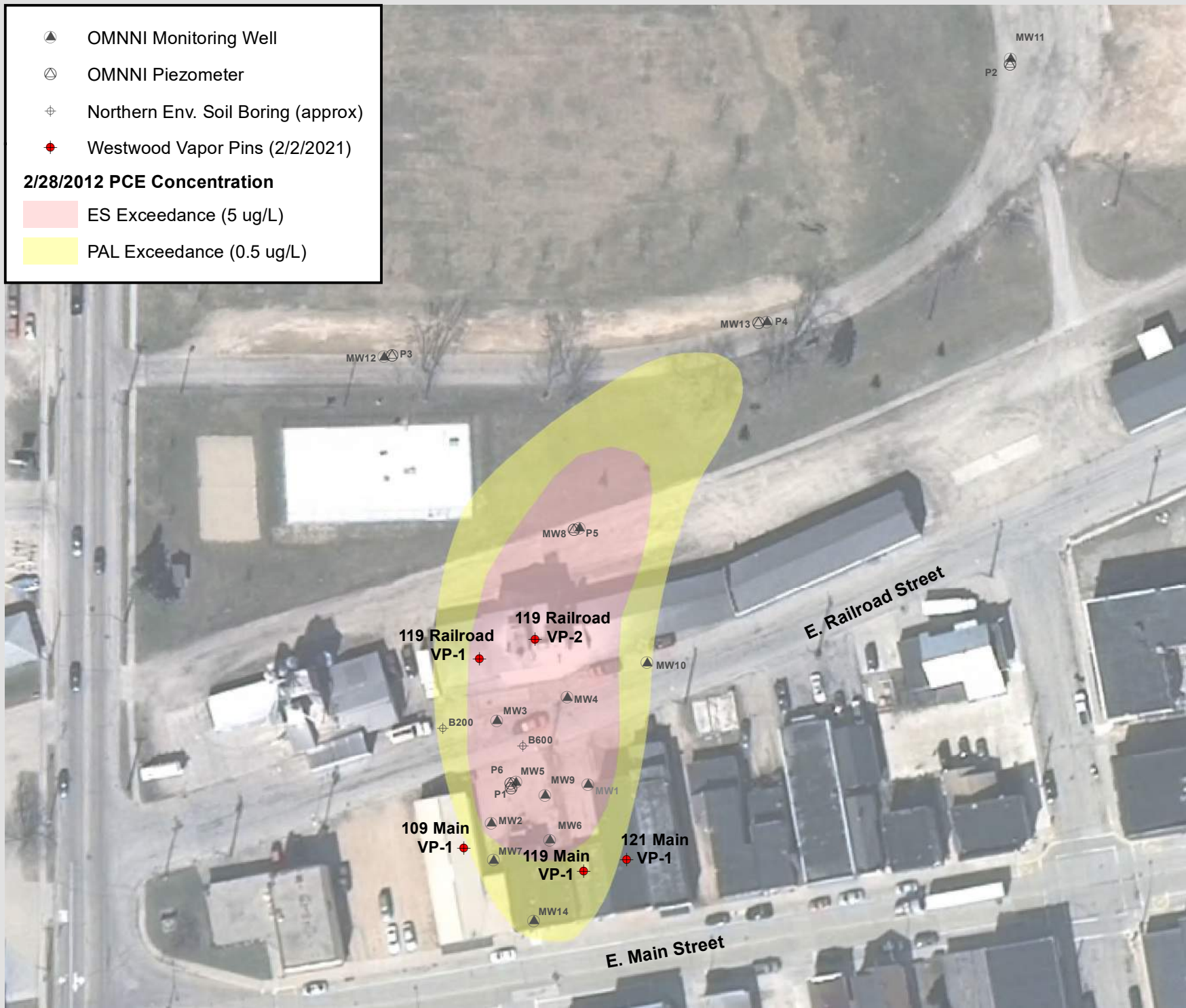
SCALE:  
 1" = 83'  
 PROJECT NO.  
**R3000914.00**  
 FIGURE NO.  
**2**

- ▲ OMNNI Monitoring Well
- ⊗ OMNNI Piezometer
- ⊕ Northern Env. Soil Boring (approx)
- ◆ Westwood Vapor Pins (2/2/2021)

**2/28/2012 PCE Concentration**

ES Exceedance (5 ug/L)

PAL Exceedance (0.5 ug/L)



Project Manager: JMD  
 Project Engineer: JMD  
 Drawn By: JMD  
 Checked By: JMD  
 Date: 2/23/2021

**FORMER ECON-O-WASH LAUNDRY**  
**2012 GROUNDWATER PLUME MAP**  
 CITY OF GILLETT  
 OCONTO COUNTY, WISCONSIN

**Westwood**  
 1 Systems Drive  
 Appleton, WI 54914  
 (920) 735-6900  
[www.westwoodps.com](http://www.westwoodps.com)

SCALE:  
 1" = 83'  
 PROJECT NO.  
**R3000914.00**  
 FIGURE NO.  
**3**



**Site Location:**  
Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**  
1

**Date:**  
5/12/2021

**Description:**  
Weather forecast on the day of sampling.



**Site Location:**  
Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**  
2

**Date:**  
5/12/2021

**Description:**  
121 Main Street VP-1 location.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

3

**Date:**

5/12/2021

**Description:**

121 Main VP-1  
with water  
dam.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

4

**Date:**

5/12/2021

**Description:**

121 Main VP-1  
during  
sampling.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

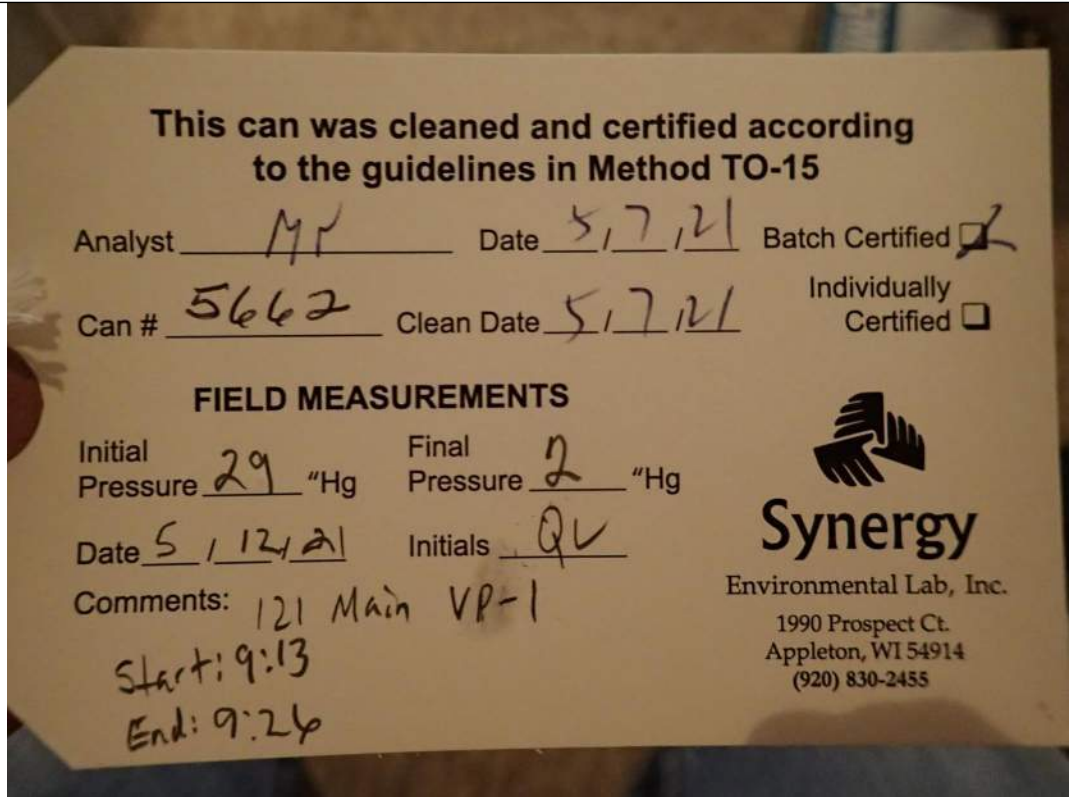
5

**Date:**

5/12/2021

**Description:**

121 Main VP-1 label on vapor sample canister.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

6

**Date:**

5/12/2021

**Description:**

121 Main VP-1 vapor pin removed.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

7

**Date:**

5/12/2021

**Description:**

121 Main VP-1  
abandoned  
and filled with  
concrete.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

8

**Date:**

6/03/2019

**Description:**

119 Main VP-1  
location.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

9

**Date:**

6/03/2019

**Description:**

119 Main VP-1  
with water  
dam.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

10

**Date:**

6/03/2019

**Description:**

119 Main VP-1  
during  
sampling.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

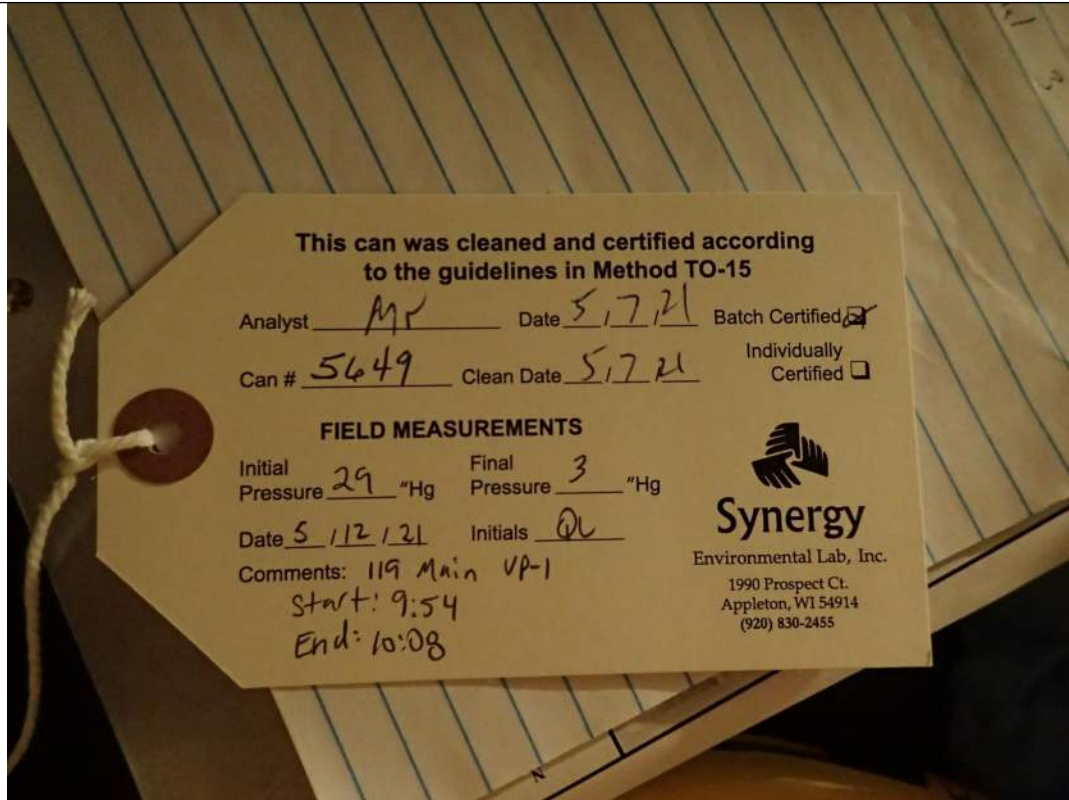
11

**Date:**

6/03/2019

**Description:**

119 Main VP-1 label on vapor sample canister.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

12

**Date:**

5/12/2021

**Description:**

119 Main VP-1 vapor pin removed.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

13

**Date:**

5/12/2021

**Description:**

119 Main VP-1  
abandoned  
and filled with  
concrete.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

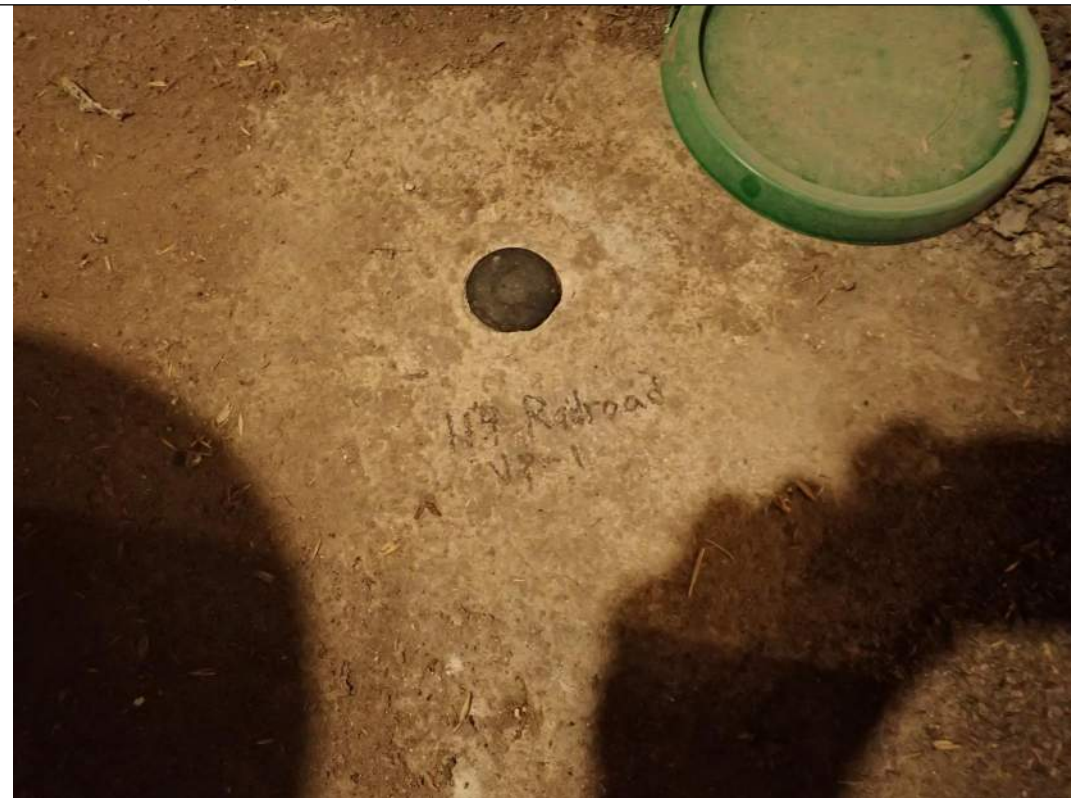
14

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-1 location.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

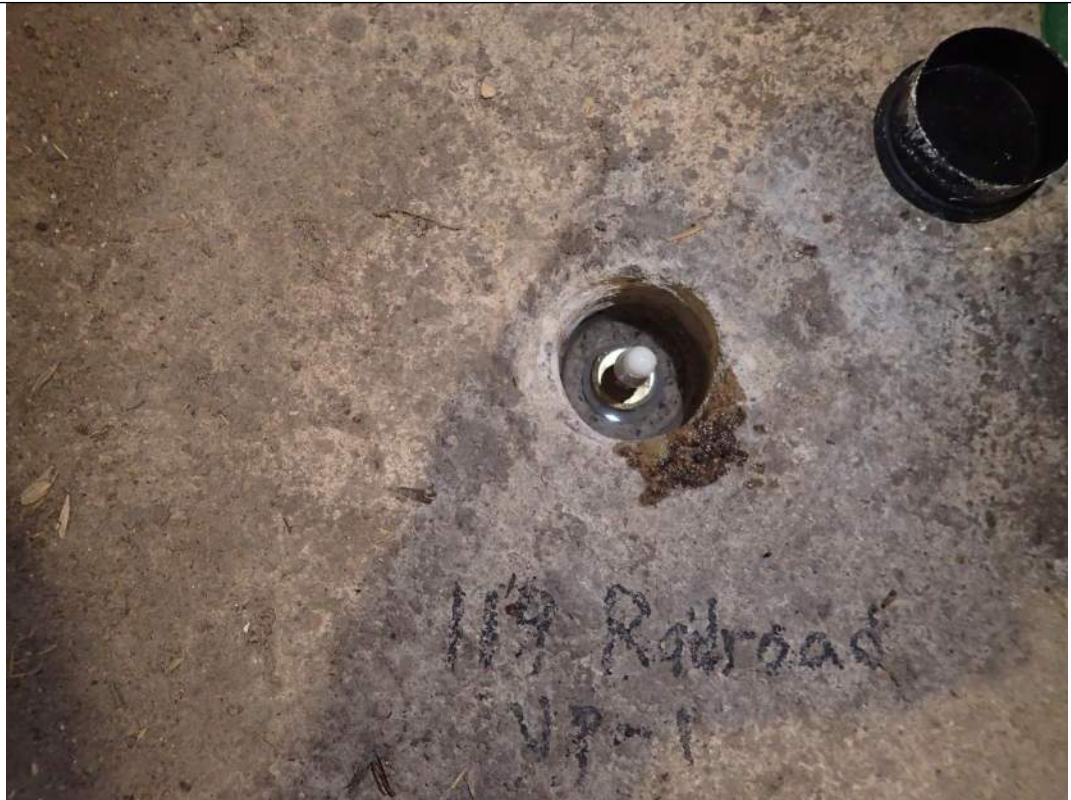
15

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-1 with  
water dam.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

16

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-1 during  
sampling.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

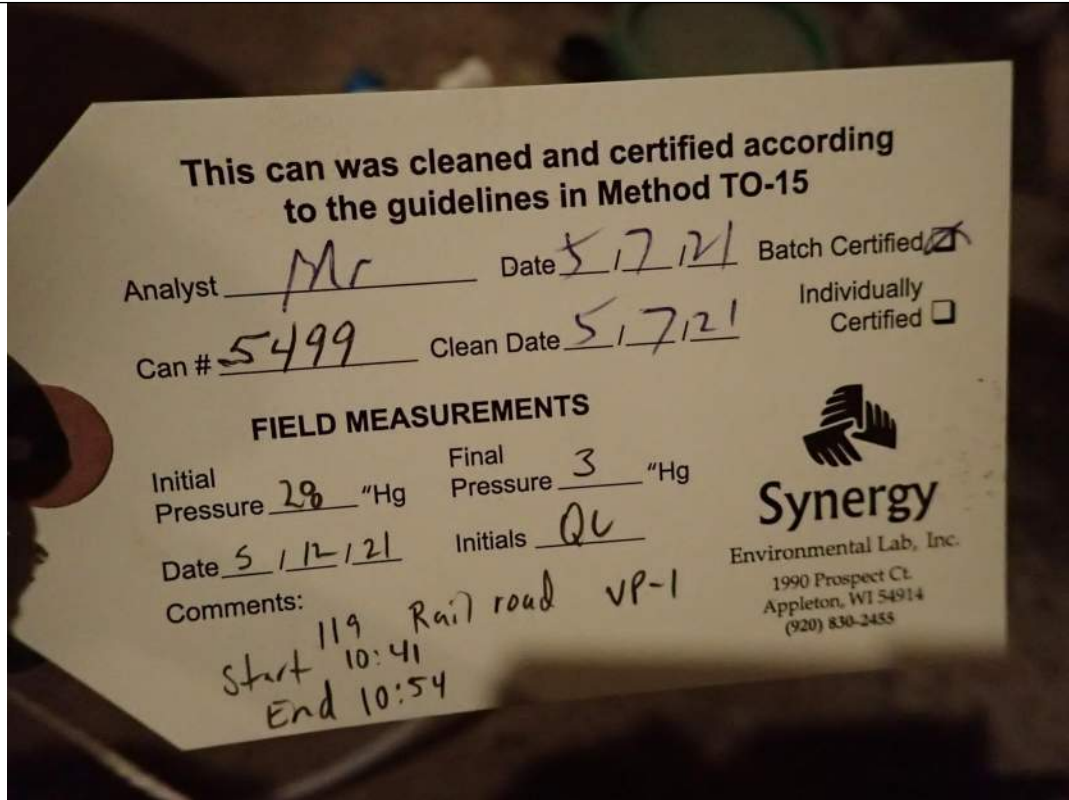
17

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-1 label on  
vapor canister.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

18

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-1 vapor pin  
removed.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

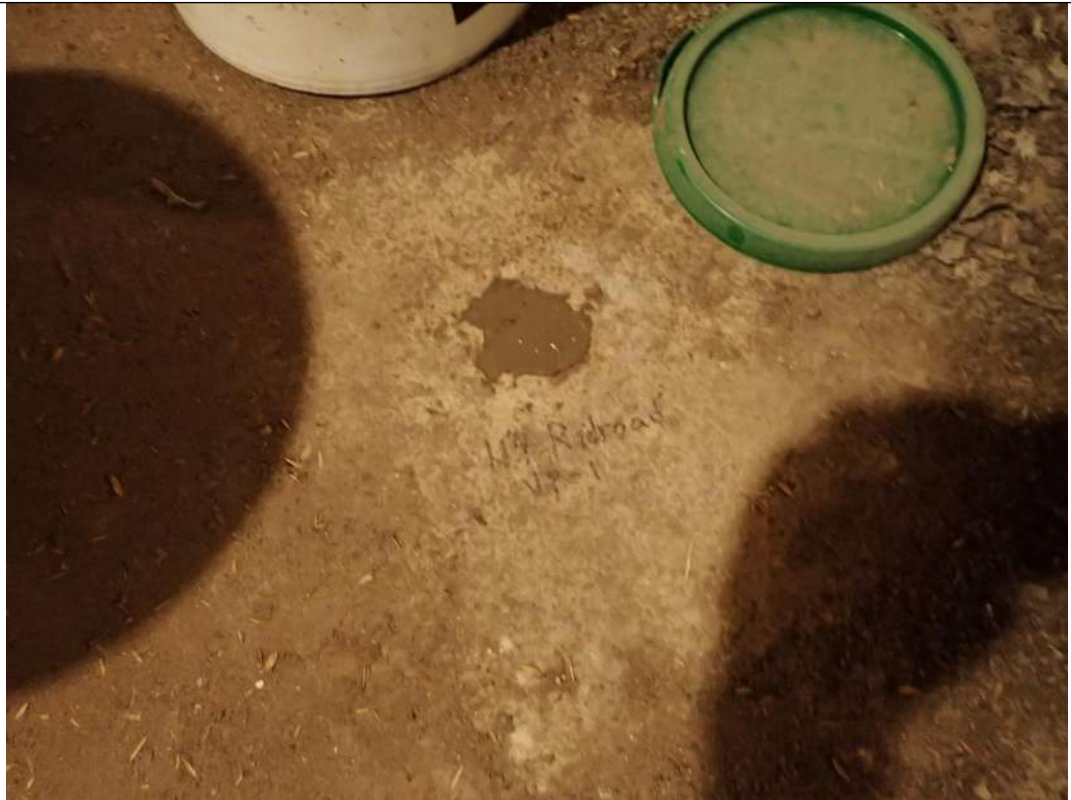
19

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-1  
abandoned  
and filled with  
concrete.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

20

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-2 location  
and water  
dam.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

21

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-2 during  
sampling.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

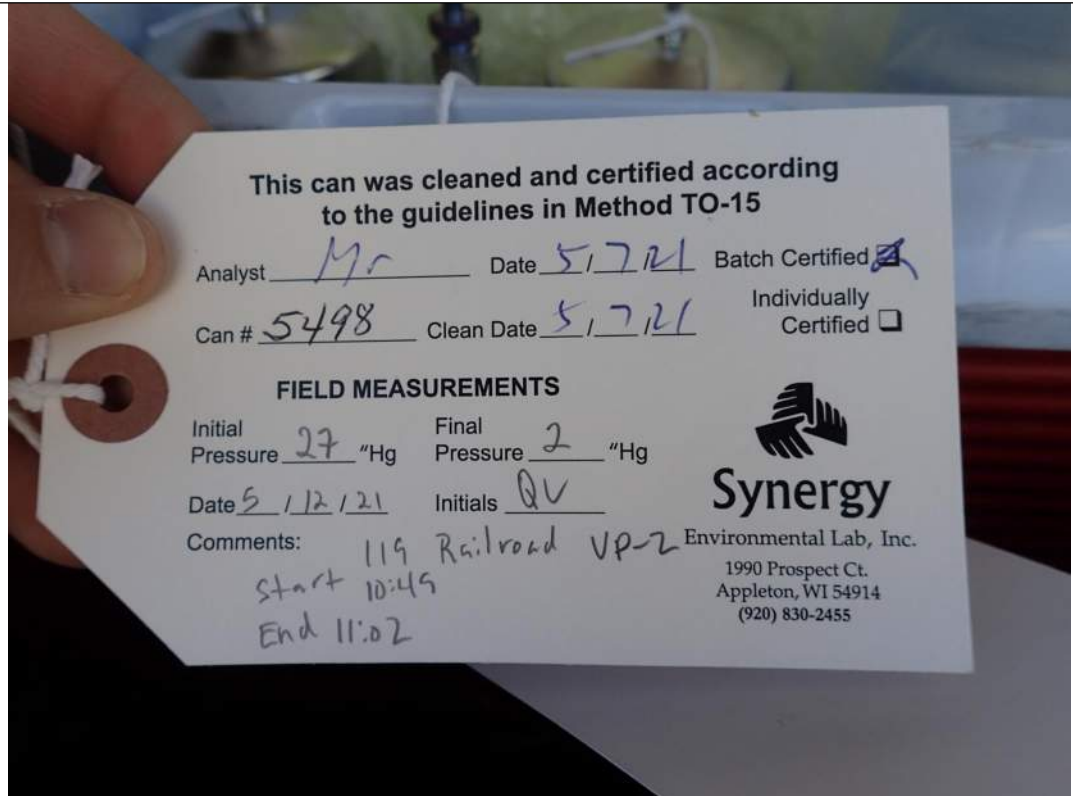
22

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-2 label on  
vapor canister.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

23

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-2 vapor pin  
removed.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

24

**Date:**

5/12/2021

**Description:**

119 Railroad  
VP-2  
abandoned  
and filled with  
concrete.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

25

**Date:**

5/12/2021

**Description:**

109 Main VP-1  
location.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

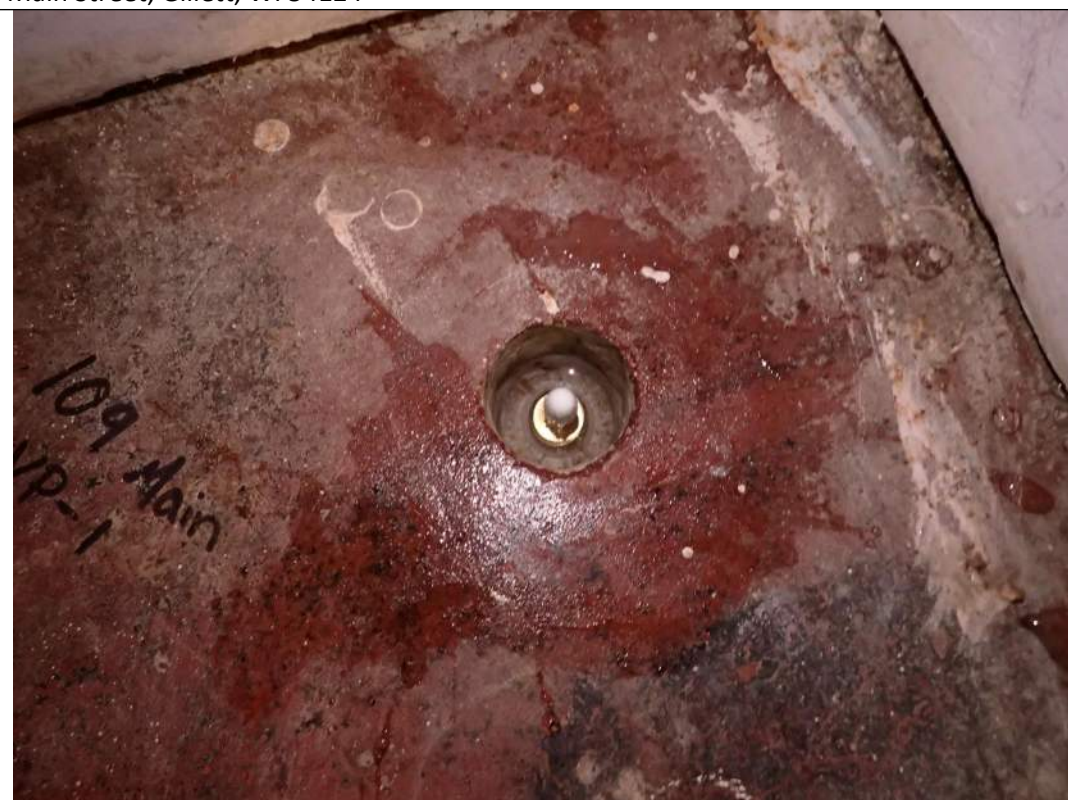
26

**Date:**

5/12/2021

**Description:**

109 Main VP-1  
with water  
dam.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

27

**Date:**

5/12/2021

**Description:**

109 Main VP-1 during sampling.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

28

**Date:**

5/12/2021

**Description:**

109 Main VP-1 label on vapor canister.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

29

**Date:**

5/12/2021

**Description:**

109 Main VP-1  
with vapor pin  
removed.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

30

**Date:**

5/12/2021

**Description:**

109 Main VP-1  
abandoned  
and filled with  
concrete.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

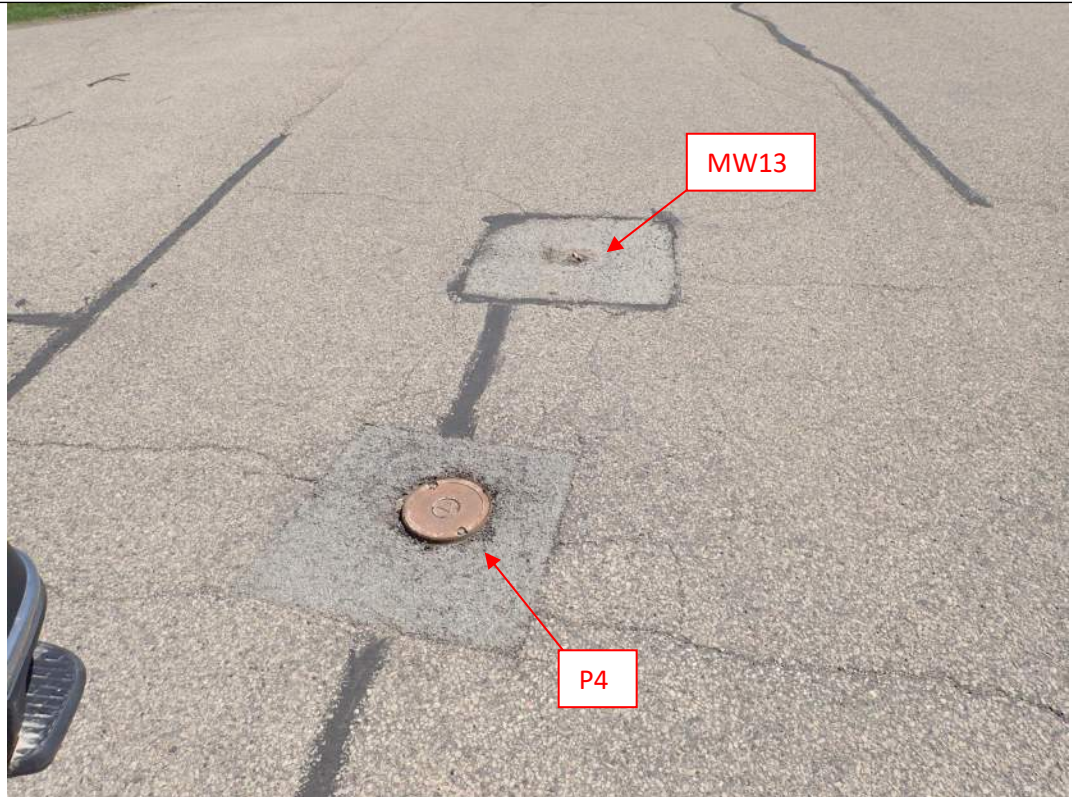
31

**Date:**

5/12/2021

**Description:**

P4 and MW13 located within the park.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

32

**Date:**

5/12/2021

**Description:**

MW13 J-plug sticking out of asphalt. Monitoring wells needs repair.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

33

**Date:**

5/12/2021

**Description:**

P4 during groundwater sampling.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

34

**Date:**

5/12/2021

**Description:**

P5 prior to groundwater sampling. Well needs to be cut and new J-plug replaced. Can barely replace well cover.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

35

**Date:**

5/12/2021

**Description:**

MW3 prior to groundwater sampling. Monitoring well had water between metal casing and PVC.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

36

**Date:**

5/12/2021

**Description:**

MW3 during groundwater sampling.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

37

**Date:**

5/12/2021

**Description:**

Location of MW14.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

38

**Date:**

5/12/2021

**Description:**

MW14 after topsoil was removed. Well cap has broken screw.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

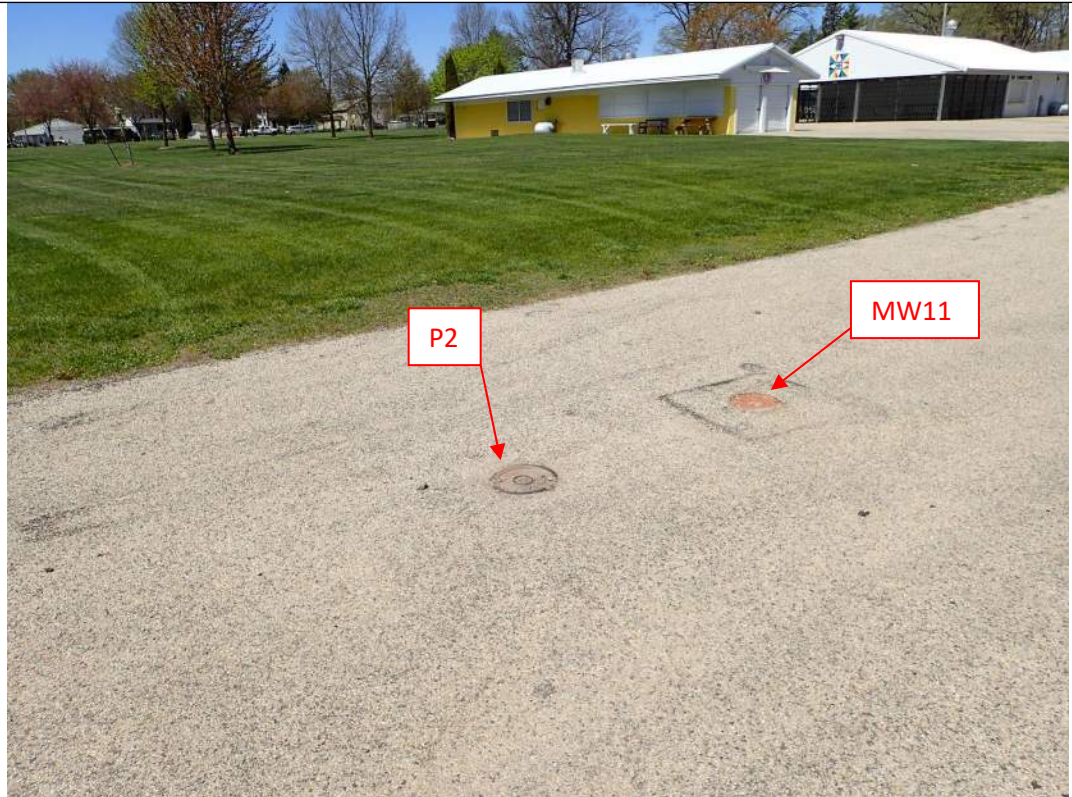
39

**Date:**

5/12/2021

**Description:**

P2 and MW11  
in the park.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

40

**Date:**

5/12/2021

**Description:**

Remedial trees  
between the  
feed mill and  
park.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

41

**Date:**

5/12/2021

**Description:**

P3 and MW12  
in the park.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

42

**Date:**

5/12/2021

**Description:**

Econowash site  
with remedial  
trees on the  
northeast  
corner.





**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

43

**Date:**

5/12/2021

**Description:**

Area of P1, P6, and MW5. No monitoring wells were observed in this area during this sampling event.



**Site Location:**

Econowash – 113 E. Main Street, Gillett, WI 54124

**Photo #**

44

**Date:**

5/12/2021

**Description:**

Well casing at MW7 is missing. Well needs repair.





## Well Specific Field Sheets

Facility Name: Former Econ-o-wash  
 Date: May 12, 2021  
 Weather Conditions: Sunny  
 Person(s) Sampling: Quin Lenz  
 Sampling Equipment: Solonist 101 water level meter, Peristaltic pump - micro purge, Horiba multi-parameter water quality meter

Well Name	MW3 PI453	MW14** VM305	P4* VM302	P5 VM306
Top of PVC Casing Elevation (MSL)	803.95	805.43	798.56	791.64
Ground Surface Elevation (MSL)	804.57	805.44	799.07	792.47
Depth to Bottom of Well (ft)	13.65	14.60	29.20	30.97
Screen Top (MSL)	800.30	800.83	774.36	765.67
Screen Bottom (MSL)	790.30	790.83	769.36	760.67
Screen Length (ft)	10	10	5	5
Water Elevation (MSL)	796.4	797.6	794.91	785.4
Water Elevation (ft from ground surface)	797.0	797.6	795.42	786.2
Measured Depth to Water (ft)	7.56	7.85	3.65	6.23
Micro Purge Pump Setting	0.75	0.75	0.75	0.75
Time Purging Begun	1:46 PM	2:24 PM	12:21 PM	1:06 PM
Time Purging Completed	2:01 PM	2:39 PM	12:36 PM	1:21 PM
Amount Purged (gal)	1.5	1.5	1.5	1.5
Purged Dry? (Y/N)	N	N	N	N
Temperature (°C)	12.55	10.68	11.72	11.52
Conductivity (µS)	6870	1020	1110	942
pH (std. units)	5.74	6.32	6.10	6.62
Dissolved Oxygen (mg/L)	0.93	6.54	0.74	0.51
ORP (mV)	85	114	-92	-88
Ferrous Iron (mg/L)	-	-	-	-
Nitrate (mg/L)	-	-	-	-
Color (Y/N)	N	N	N	N
Odor (Y/N)	N	N	N	N
Turbidity (Y/N)	N	N	N	N
Sampling Parameters	VOC	VOC	VOC	VOC
Time Sample Withdrawn	2:03 PM	2:41 PM	12:38 PM	1:24 PM
Sample field filtered? (Y/N)	N	N	N	N
Time filtered	N	N	N	N
Well secured? (Y/N)	Y	Y	Y	Y
Sample Date	5/12/2021	5/12/2021	5/12/2021	5/12/2021

**\*Note: PVC elevation lowered 2" (0.17) during flushmount repair work May 2011**

**\*\*Note: PVC elevation lowered during flushmount repair work June 2019**

MW11 lowered 1 3/8" (0.11') after sample was collected  
 MW12 lowered 3 1/2" (0.29') before sample was collected  
 MW13 lowered 3 1/4" (0.27') after sample was collected  
 MW14 lowered 1 7/8" (0.16') after sample was collected  
 P1 lowered 2 1/4" (0.19') before sample was collected  
 P2 lowered 3 1/4" (0.27') after sample was collected  
 P3 lowered 3 3/16" (0.27') before sample was collected  
 P6 lowered 2" (0.17') after sample was collected

**Econowash - SL**

BRRTS #02-43-547861

Table 1 - Vapor Analytical Table

Parameter	CAS	U.S. EPA RSL Carcino-genic Basis	WI Residential VRSL <sup>1</sup> based on U.S.EPA RSL (ug/m3) AF=0.03	WI Small Commercial <sup>2</sup> VRSL based on U.S.EPA RSL (ug/m3) AF=0.03	WI Industrial VRSL <sup>3</sup> based on U.S.EPA RSL (ug/m3) AF=0.01	109 Main VP-1 Sub- Slab Sample (ug/m3) <sup>*</sup> (2/2/21)	109 Main VP-1 Sub- Slab Sample (ug/m3) <sup>*</sup> (5/12/21)	119 Main VP-1 Sub-Slab Sample (ug/m3) <sup>*</sup> (2/2/21)	119 Main VP-1 Sub-Slab Sample (ug/m3) <sup>*</sup> (5/12/21)	121 Main VP-1 Sub-Slab (ug/m3) (2/2/21)	121 Main VP-1 Sub-Slab (ug/m3) (5/12/21)	119 Railroad VP-1 Sub-Slab (ug/m3) (2/2/21)	119 Railroad VP-1 Sub-Slab (ug/m3) (5/12/21)	119 Railroad VP-2 Sub-Slab (ug/m3) (2/2/21)	119 Railroad VP-2 Sub-Slab (ug/m3) (5/12/21)
cis-1,2-Dichloroethene	156-59-2	--	--	--	--	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197	<0.197
Tetrachloroethene (PCE)	127-18-4	n	1400	6000	18000	13.4	129	37	<b>6100</b>	36	35	1.49	400	54	25.4
Trichloroethene (TCE)	79-01-6	n	70	290	880	<0.237	2.57	3.9	<b>230</b>	<0.237	<0.237	<0.237	6.3	0.43J	0.96

**Notes:**

**Bold** = Entries indicate concentration detected above the U.S. EPA or WI DNR VRSLs.

"J" = Analyte detected between the limit of detection and the limit of quantification.

-- = No EPA RSL/VAL or Wisconsin VRSL for indicated analyzed parameter.

U.S. EPA RSL=Regional Screening Level

WI Vapor Quick Look-Up Table dated November 2017

Values Based on EPA RSL data generated on 2/8/2021

EPA = Environmental Protection Agency

AF=Attenuation Factor

RSL = Regional Screening Levels

VRSL=Vapor Risk Screening Level

CAS: Chemical Abstracts Service

n=carcinogenic

c=carcinogenic

TR = Target Risk

THQ = Target Hazard Quotient

ug/m3 = micrograms per cubic meter of air

**Footnotes:**

1. WI Residential VRSL Formula Used: [US EPA RSL (Resident Air) / Attenuation Factor (0.03)] \* 10 (Wisconsin Conversion Factor) = WI residential VRSL

2. WI Small Commercial VRSL Formula Used: [US EPA RSL (Composite Worker) / Attenuation Factor (0.03)] \* 10 (Wisconsin Conversion Factor) = WI Small Commercial VRSL

3. WI Large Commercial/Industrial VRSL Formula Used: [US EPA RSL (Composite Worker) / Attenuation Factor (0.01)] \* 10 (Wisconsin Conversion Factor) = WI Small Commercial VRSL



**Table 2 - Groundwater Analytical Table**

		Detected VOCs (µg/L)								
		Carbon Tetrachloride	Chloroform	1,2 - Dichloro ethane	cis-1,2-dichloro ethene	Trans-1,2-Dichloro ethene	1,2-Dichloro propane	MTBE	Tetrachloro ethene (PCE)	Trichloro ethene (TCE)
<b>NR 140 ES</b>		5	6	5	70	100	5	60	5	5
<b>NR 140 PAL</b>		0.5	0.6	0.5	7	20	0.5	12	0.5	0.5
<b>MW1</b>	4/9/09	<0.43	<1.48	<0.43	1.76 J	<0.61	<0.26	<0.5	3.3	3.11
	6/18/09	<0.43	<1.48	<0.43	3.8	<0.61	<0.26	<0.5	11.9	8.6
	11/9/10	3.5	1.38	<0.38	8.1	<1.3	<0.34	<0.25	10.8	29
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	2.84	1.19 J
	6/1/11	1.45 J	<0.49	<0.5	4.0	<0.79	<0.4	<0.8	6.3	9.7
	8/31/11	0.80 J	0.57 J	<0.5	<0.74	<0.79	<0.4	<0.8	9.9	3.2
	11/7/11	1.78	0.75 J	<0.5	1.23 J	<0.79	<0.4	<0.8	10.3	7.1
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	20.8	5.8
	6/3/19	<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	2.1	<0.3
<b>MW2</b>	4/9/09	<0.43	<1.48	<0.43	<0.68	<0.61	<0.26	<0.5	31.2	<0.39
	6/18/09	<0.43	<1.48	<0.43	<0.68	<0.61	<0.26	<0.5	28.9	<0.39
	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<0.34	<0.25	26.5	<0.39
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	4.5	<0.47
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	21.6	<0.47
	8/31/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	26	<0.47
	11/7/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	25.8	<0.47
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	13.2	<0.47
	6/3/19	<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	45	1.05
<b>MW3</b>	4/9/09	<0.43	<1.48	<0.43	<0.68	<0.61	<0.26	<0.5	12.6	1.23
	6/18/09	<0.43	<1.48	<0.43	1.06 J	<0.61	<0.26	<0.5	16.9	1.58
	11/9/10	<0.25	<0.32	<0.38	2.5	<1.3	<0.34	<0.25	26.3	3.1
	2/16/11	<0.47	<0.49	<0.5	1.02 J	<0.79	<0.4	<0.8	15.6	1.18 J
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	22.3	1.19 J
	8/31/11	<0.47	<0.49	<0.5	3.07	<0.79	<0.4	<0.8	320	3.7
	11/7/11	<4.7	<4.9	<5	<7.4	<7.9	<4	<8	80	<4.7
	2/28/12	<4.7	<4.9	<5	7.2	<7.9	<4	<8	680	10.9
	10/22/14	<0.33	<0.28	<0.41	9.0	<0.35	<0.32	<0.23	196	8.2
	6/3/19	<0.31	<0.26	<0.25	60.0	0.98J	<0.44	<0.28	1,590	66
5/12/2021	<4.4	<4	<4.4	42	<6	<3.8	<4.6	1,520	54	
<b>MW4</b>	4/9/09	<43	<148	<43	<68	<61	<26	<50	9,800	<39
	6/18/09	<43	<148	<43	<68	<61	<26	<50	6,800	56 J
	10/7/09	<43	<48	<43	<68	<61	<26	<50	4,700	72 J
	1/13/10	<43	<48	<43	<68	<61	<26	<50	5,400	<39
	11/9/10	<0.25	<0.32	<0.38	2.28 J	<1.3	<0.34	<0.25	74	7.6
	2/16/11	<0.47	<0.49	<0.5	4.3	<0.79	<0.4	<0.8	149	13.2
	6/1/11	<0.47	<0.49	<0.5	3.3	<0.79	<0.4	<0.8	101	8.6
	8/31/11	<0.47	<0.49	<0.5	8.9	<0.79	<0.4	<0.8	33	26.2
	11/7/11	<0.47	<0.49	<0.5	4.1	<0.79	<0.4	<0.8	14.1	7.7
	2/28/12	<0.47	<0.49	<0.5	4.2	<0.79	<0.4	<0.8	23.7	19.2
6/3/19	<0.31	<0.26	<0.25	1.5	<0.34	<0.44	<0.28	12.9	3.9	

**Table 2 - Groundwater Analytical Table**

		Detected VOCs (µg/L)								
		Carbon Tetrachloride	Chloroform	1,2 - Dichloro ethane	cis-1,2-dichloro ethene	Trans-1,2-Dichloro ethene	1,2-Dichloro propane	MTBE	Tetrachloro ethene (PCE)	Trichloro ethene (TCE)
<b>NR 140 ES</b>		5	6	5	70	100	5	60	5	5
<b>NR 140 PAL</b>		0.5	0.6	0.5	7	20	0.5	12	0.5	0.5
<b>MW5</b>	4/9/09	<4.3	<14.8	<4.3	36	<6.1	<2.6	<5	164	31.5
	6/18/09	<0.43	<1.48	<0.43	37	0.81 J	<0.26	0.53 J	162	24.3
	10/7/09	<0.43	<0.48	<0.43	11.2	<0.61	<0.26	<0.5	106	13
	1/13/10	<0.43	<0.48	<0.43	6.9	<0.61	<0.26	<0.5	101	10.1
	11/9/10	<0.25	<0.32	11.4	<0.78	<1.3	12.1	<0.25	168	1.87
	2/16/11	<0.47	<0.49	15.4	<0.74	<0.79	19.9	<0.8	309	7.6
	6/1/11	<4.7	<4.9	<5	23.3 J	<7.9	<4	<8	92	5.3 J
	8/31/11	<0.47	<0.49	<0.5	21.6	<0.79	<0.4	<0.8	167	15.6
	11/7/11	<0.47	<0.49	<0.5	25.7	1.28 J	<0.4	<0.8	105	12
	2/28/12	<0.47	<0.49	<0.5	11.2	<0.79	<0.4	<0.8	110	10.9
	6/4/19	<0.31	<0.26	<0.25	7.0	0.38J	<0.44	<0.28	9.1	3.3
<b>MW6</b>	4/9/09	<4.3	<14.8	<4.3	<6.8	<6.1	<2.6	<5	184	26.1
	6/18/09	<0.43	<1.48	<0.43	17.8	0.81 J	<0.26	<0.5	190	34
	11/9/10	<0.25	<0.32	<0.38	7.3	<1.3	<0.34	<0.25	35	12.9
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	15.8	3.2
	6/1/11	<0.47	<0.49	<0.5	15.1	<0.79	<0.4	<0.8	90	17.3
	8/31/11	<0.47	<0.49	<0.5	3.8	<0.79	<0.4	<0.8	18.3	3.7
	11/7/11	<0.47	<0.49	<0.5	16.5	1.26 J	<0.4	<0.8	52	16.4
	2/28/12	<0.47	<0.49	<0.5	2.6	<0.79	<0.4	<0.8	14.9	3.6
	6/3/19	<0.31	<0.26	<0.25	2.9	<0.34	<0.44	<0.28	44	5
<b>MW7</b>	6/18/09	<0.43	<0.48	<0.43	<0.68	<0.61	<0.26	<0.5	11.7	<0.39
	10/7/09	<0.43	<0.48	<0.43	<0.68	<0.61	<0.26	<0.5	6.3	<0.39
	1/13/10	<0.43	<0.48	<0.43	<0.68	<0.61	<0.26	<0.5	1.33	<0.39
	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<3.4	<0.25	3.3	<0.39
	2/16/11	<0.47	1.2 J	<0.5	<0.74	<0.79	<0.4	<0.8	0.67 J	<0.47
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	3.9	<0.47
	8/31/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	0.95 J	<0.47
	11/7/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	2.72	<0.47
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	0.81 J	<0.47
6/3/19	<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	4	<0.3	
<b>MW8</b>	6/18/09	<8.6	<9.6	<8.6	<13.6	<12.2	<5.2	<10	570	<7.8
	10/7/09	<4.3	<4.8	<4.3	<6.8	<6.1	<2.6	<5	95	12
	1/13/10	<0.43	<0.48	<0.43	1.58 J	<0.61	<0.26	<0.5	54	5.4
	11/9/10	<0.25	<0.32	<0.38	1.4 J	<1.3	<0.34	<0.25	8.1	3.4
	2/16/11	0.54 J	<0.49	<0.5	8.9	0.79 J	<0.4	<0.8	16.8	25.9
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	2.39	<0.47
	8/31/11	<0.47	<0.49	5.9	<0.74	<0.79	8.4	<0.8	570	13.2
	11/7/11	<4.7	<4.9	6.2 J	<7.4	<7.9	6.9 J	<8	590	12.2 J
	2/28/12	<4.7	<4.9	8.8 J	<7.4	<7.9	9.1 J	<8	540	9.8 J
	7/27/17	<0.21	<0.96	<0.45	<0.41	<0.35	<0.39	<0.82	0.49 "J"	<0.45
6/3/19	<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	0.43J	<0.3	

**Table 2 - Groundwater Analytical Table**

		Detected VOCs (µg/L)								
		Carbon Tetrachloride	Chloroform	1,2 - Dichloro ethane	cis-1,2-dichloro ethene	Trans-1,2-Dichloro ethene	1,2-Dichloro propane	MTBE	Tetrachloro ethene (PCE)	Trichloro ethene (TCE)
<b>NR 140 ES</b>		5	6	5	70	100	5	60	5	5
<b>NR 140 PAL</b>		0.5	0.6	0.5	7	20	0.5	12	0.5	0.5
<b>MW9</b>	6/18/09	<8.6	<9.6	<8.6	<13.6	<12.2	<5.2	<10	<b>670</b>	<b>12.2 J</b>
	11/9/10	<2.5	<3.2	<3.8	<7.8	<13	<3.4	<2.5	<b>1,210</b>	<b>18.2</b>
	2/16/11	<0.47	<0.49	<0.5	1.13 J	<0.79	<0.4	<0.8	<b>68</b>	<b>1.42 J</b>
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<b>170</b>	<b>2.77</b>
	8/31/11	<0.47	<0.49	<0.5	<b>14.9</b>	<0.79	<0.4	<0.8	<b>240</b>	<b>24.5</b>
	11/7/11	<4.7	<4.9	<5	<b>7.4 J</b>	<7.9	<4	<8	<b>450</b>	<b>12 J</b>
	2/28/12	<4.7	<4.9	<5	<7.4	<7.9	<4	<8	<b>36</b>	<4.7
	6/3/19	<1.55	<1.3	<1.25	<1.85	<1.7	<2.2	<1.4	<b>44</b>	<b>2.3J</b>
<b>MW10</b>	6/18/09	<0.43	<0.48	<0.43	<0.68	<0.61	<0.26	<0.5	<0.42	<0.39
	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<3.4	<0.25	<b>0.72 J</b>	<0.39
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<b>2.84</b>	<b>0.55 J</b>
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	8/31/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	11/7/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<b>0.59 J</b>	<0.47
	6/4/19	<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	<0.38	<0.3
<b>MW11</b>	10/7/09	<0.43	<0.48	<0.43	<0.68	<0.61	<0.26	<0.5	<0.42	<0.39
	1/13/10	<0.43	<0.48	<0.43	<0.68	<0.61	<0.26	<0.5	<0.42	<0.39
	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<0.34	<0.25	<0.43	<0.39
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	8/31/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	11/7/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	10/22/14	<0.33	<0.28	<0.41	<0.38	<0.35	<0.32	<0.23	<0.33	<0.33
6/4/19	<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	<0.38	<0.3	
<b>MW12</b>	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<0.34	<0.25	<0.43	<0.39
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	8/31/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	11/7/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	6/4/19	<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	<0.38	<0.3
	<b>MW13</b>	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<0.34	<0.25	<0.43
2/16/11		<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<b>0.74 J</b>	<b>2.12</b>
6/1/11		<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<b>0.56 J</b>
8/31/11		<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
11/7/11		<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
2/28/12		<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
10/22/14		<0.33	<0.28	<0.41	<0.38	<0.35	<0.32	<0.23	<0.33	<0.33
6/3/19		<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	<0.38	<0.3

Table 2 - Groundwater Analytical Table

		Detected VOCs (µg/L)								
		Carbon Tetrachloride	Chloroform	1,2 - Dichloro ethane	cis-1,2-dichloro ethene	Trans-1,2-Dichloro ethene	1,2-Dichloro propane	MTBE	Tetrachloro ethene (PCE)	Trichloro ethene (TCE)
<b>NR 140 ES</b>		5	6	5	70	100	5	60	5	5
<b>NR 140 PAL</b>		0.5	0.6	0.5	7	20	0.5	12	0.5	0.5
<b>MW14</b>	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<0.34	<0.25	2.83	<0.39
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	1.17 J	<0.47
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	3.6	<0.47
	8/31/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	8.5	1.16 J
	11/7/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	5.1	0.86 J
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	2.21	<0.47
	6/4/19	<0.31	<0.26	<0.25	6.1	<0.34	<0.44	<0.28	16	2.66
	5/12/21	<0.44	<0.4	<0.44	0.91J	<0.6	<0.38	<0.46	6.2	1.07J
<b>P1</b>	4/9/09	<4.3	<14.8	20.1	<6.8	<6.1	17.6	<5	410	6.4 J
	6/18/09	<4.3	<14.8	17.1	<6.8	<6.1	15	<5	370	7.1 J
	10/7/09	<4.3	<4.8	10.2 J	<6.8	<6.1	10	<5	155	<3.9
	1/13/10	<0.43	<0.48	12.5	<0.68	<0.61	13	<0.5	146	1.78
	11/9/10	<12.5	<16	<19	<39	<65	<17	<12.5	2,900	36 J
	2/16/11	<23.5	<24.5	<25	<37	<39.5	<20	<40	640	<23.5
	6/1/11	<4.7	<4.9	14.3 J	<7.4	<7.9	13.8	<8	480	5.3 J
	8/31/11	<4.7	<4.9	10.9 J	<7.4	<7.9	16.5	<8	440	8.4 J
	11/7/11	<4.7	<4.9	13.6 J	<7.4	<7.9	14.5	<8	530	10.3 J
	2/28/12	<4.7	<4.9	11.2 J	<7.4	<7.9	11.9 J	<8	720	13.7 J
6/4/19	<0.31	<0.26	<0.25	2.01	<0.34	<0.44	<0.28	<0.38	<0.3	
<b>P2</b>	10/7/09	<0.43	<0.48	<0.43	<0.68	<0.61	<0.26	<0.5	<0.42	<0.39
	1/13/10	<0.43	<0.48	<0.43	<0.68	<0.61	<0.26	<0.5	<0.42	<0.39
	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<0.34	<0.25	<0.43	<0.39
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	8/31/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	11/7/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	10/22/14	<0.33	<0.28	<0.41	<0.38	<0.35	<0.32	<0.23	<0.33	<0.33
	7/27/17	<0.21	<0.96	<0.45	<0.41	<0.35	<0.39	<0.82	<0.48	<0.45
6/4/19	<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	<0.38	<0.3	
<b>P3</b>	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<0.34	<0.25	<0.43	<0.39
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	8/31/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	11/7/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
<b>P4</b>	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<0.34	<0.25	<0.43	<0.39
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	8/31/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	1.51	2.37
	11/7/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	0.9 J	1.47 J
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	0.64 J	1.32 J
	10/22/14	<0.33	<0.28	<0.41	<0.38	<0.35	<0.32	<0.23	<0.33	0.67 J
	7/27/17	<0.21	<0.96	<0.45	<0.41	<0.35	<0.39	<0.82	<0.48	<0.45
	6/3/19	<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	<0.38	<0.3
5/12/21	<0.44	<0.4	<0.44	<0.39	<0.6	<0.38	<0.46	<0.54	<0.47	



**Table 2 - Groundwater Analytical Table**

		Detected VOCs (µg/L)								
		Carbon Tetrachloride	Chloroform	1,2 - Dichloro ethane	cis-1,2-dichloro ethene	Trans-1,2-Dichloro ethene	1,2-Dichloro propane	MTBE	Tetrachloro ethene (PCE)	Trichloro ethene (TCE)
<b>NR 140 ES</b>		5	6	5	70	100	5	60	5	5
<b>NR 140 PAL</b>		0.5	0.6	0.5	7	20	0.5	12	0.5	0.5
<b>P5</b>	11/9/10	<12.5	<16	<19	<39	<65	<17	<12.5	<b>520</b>	<19.5
	2/16/11	<4.7	<4.9	<b>7.0 J</b>	<7.4	<7.9	<b>6.5 J</b>	<8	<b>273</b>	<b>8.8 J</b>
	6/1/11	<4.7	<4.9	<b>5.3 J</b>	<7.4	<7.9	<b>6.9 J</b>	<8	<b>510</b>	<b>9.1 J</b>
	8/31/11	<0.47	<0.49	<0.5	0.74 J	<0.79	<0.4	<0.8	<b>5.0</b>	<b>2.99</b>
	11/7/11	<0.47	<0.49	<0.5	0.74 J	<0.79	<0.4	<0.8	<b>4.5</b>	<0.47
	2/28/12	<0.47	<0.49	<0.5	0.74 J	<0.79	<0.4	<0.8	<b>18.7</b>	<b>1.47 J</b>
	6/3/19	<0.31	<0.26	<b>5.5</b>	<0.37	<0.34	<b>6.5</b>	<0.28	<b>310</b>	<b>9.2</b>
	5/12/21	<4.4	<4	<b>4.5J</b>	<3.9	<6	<b>5.4J</b>	<4.6	<b>246</b>	<b>7.3J</b>
<b>P6</b>	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<0.34	<0.25	<b>0.58 J</b>	<0.39
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	8/31/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	<0.47
	11/7/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	0.47 J	<0.47
	2/28/12	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<b>1.02 J</b>	<0.47
	6/4/19	<0.31	<0.26	<0.25	<0.37	<0.34	<0.44	<0.28	0.49J	<0.3

# Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

OUI N LENZ  
WESTWOOD PROFESSIONAL SERVICES  
12701 WHITEWATER DRIVE  
MINNETONKA, MN 55343

Report Date 26-May-21

**Project Name** ECONOWASH **Invoice #** E39409  
**Project #** R3000914.00  
**Lab Code** 5039409A  
**Sample ID** 109 MAIN VP-1  
**Sample Matrix** Air  
**Sample Date** 5/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		5/14/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		5/14/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		5/14/2021	CJR	1
Tetrachloroethene	129	ug/m3	0.278	0.884	1	TO-15		5/14/2021	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		5/14/2021	CJR	1
Trichloroethene (TCE)	2.57	ug/m3	0.237	0.754	1	TO-15		5/14/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		5/14/2021	CJR	1

**Lab Code** 5039409B  
**Sample ID** 121 MAIN VP-1  
**Sample Matrix** Air  
**Sample Date** 5/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
Air Samples										
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		5/20/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		5/20/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		5/20/2021	CJR	1
Tetrachloroethene	35	ug/m3	0.278	0.884	1	TO-15		5/20/2021	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		5/20/2021	CJR	1
Trichloroethene (TCE)	< 0.237	ug/m3	0.237	0.754	1	TO-15		5/20/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		5/20/2021	CJR	1

**Project Name** ECONOWASH  
**Project #** R3000914.00

**Invoice #** E39409

**Lab Code** 5039409C  
**Sample ID** 119 MAIN VP-1  
**Sample Matrix** Air  
**Sample Date** 5/12/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Organic										
Air Samples										
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		5/20/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		5/20/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		5/20/2021	CJR	1
Tetrachloroethene	6100	ug/m3	6.95	22.1	25	TO-15		5/21/2021	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		5/20/2021	CJR	1
Trichloroethene (TCE)	230	ug/m3	5.925	18.85	25	TO-15		5/21/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		5/20/2021	CJR	1

**Lab Code** 5039409D  
**Sample ID** 119 RAILROAD VP-1  
**Sample Matrix** Air  
**Sample Date** 5/12/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Organic										
Air Samples										
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		5/20/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		5/20/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		5/20/2021	CJR	1
Tetrachloroethene	400	ug/m3	2.78	8.84	10	TO-15		5/21/2021	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		5/20/2021	CJR	1
Trichloroethene (TCE)	6.3	ug/m3	0.237	0.754	1	TO-15		5/20/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		5/20/2021	CJR	1

**Lab Code** 5039409E  
**Sample ID** 119 RAILROAD VP-2  
**Sample Matrix** Air  
**Sample Date** 5/12/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
Organic										
Air Samples										
1,1-Dichloroethane	< 0.187	ug/m3	0.187	0.596	1	TO-15		5/20/2021	CJR	1
cis-1,2-Dichloroethene	< 0.197	ug/m3	0.197	0.626	1	TO-15		5/20/2021	CJR	1
trans-1,2-Dichloroethene	< 0.231	ug/m3	0.231	0.734	1	TO-15		5/20/2021	CJR	1
Tetrachloroethene	25.4	ug/m3	0.278	0.884	1	TO-15		5/20/2021	CJR	1
1,1,1-Trichloroethane	< 0.249	ug/m3	0.249	0.793	1	TO-15		5/20/2021	CJR	1
Trichloroethene (TCE)	0.96	ug/m3	0.237	0.754	1	TO-15		5/20/2021	CJR	1
Vinyl Chloride	< 0.148	ug/m3	0.148	0.472	1	TO-15		5/20/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

***Code***      ***Comment***

1              Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

**Authorized Signature**



A handwritten signature in blue ink, appearing to read "Michael J. Steel", is written over a horizontal line.



# Synergy Environmental Lab, INC

1990 Prospect Ct., Appleton, WI 54914 \*P 920-830-2455 \* F 920-733-0631

OUI N LENZ  
WESTWOOD PROFESSIONAL SERVICES  
12701 WHITEWATER DRIVE  
MINNETONKA. MN 55343

Report Date 18-May-21

Project Name ECONOWASH  
Project # R3000914.00

Invoice # E39410

Lab Code 5039410A  
Sample ID 210512 TRIP BLANK  
Sample Matrix Water  
Sample Date 5/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		5/17/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		5/17/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		5/17/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		5/17/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		5/17/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		5/17/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		5/17/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		5/17/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		5/17/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		5/17/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		5/17/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		5/17/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		5/17/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		5/17/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		5/17/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		5/17/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		5/17/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		5/17/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		5/17/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		5/17/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		5/17/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		5/17/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		5/17/2021	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.59	1	8260B		5/17/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		5/17/2021	CJR	1

Project Name ECONOWASH  
Project # R3000914.00

Invoice # E39410

Lab Code 5039410A  
Sample ID 210512 TRIP BLANK  
Sample Matrix Water  
Sample Date 5/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		5/17/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		5/17/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		5/17/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		5/17/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		5/17/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		5/17/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		5/17/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		5/17/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		5/17/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		5/17/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		5/17/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		5/17/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		5/17/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		5/17/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		5/17/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		5/17/2021	CJR	1
Tetrachloroethene	< 0.54	ug/l	0.54	2.22	1	8260B		5/17/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		5/17/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		5/17/2021	CJR	1
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		5/17/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		5/17/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		5/17/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		5/17/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		5/17/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		5/17/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		5/17/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		5/17/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		5/17/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		5/17/2021	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		5/17/2021	CJR	1
SUR - Dibromofluoromethane	99	REC %			1	8260B		5/17/2021	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			1	8260B		5/17/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		5/17/2021	CJR	1



Project Name ECONOWASH  
Project # R3000914.00

Invoice # E39410

Lab Code 5039410B  
Sample ID P4  
Sample Matrix Water  
Sample Date 5/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		5/17/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		5/17/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		5/17/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		5/17/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		5/17/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		5/17/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		5/17/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		5/17/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		5/17/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		5/17/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		5/17/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		5/17/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		5/17/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		5/17/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		5/17/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		5/17/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		5/17/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		5/17/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		5/17/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		5/17/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		5/17/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		5/17/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		5/17/2021	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.59	1	8260B		5/17/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		5/17/2021	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		5/17/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		5/17/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		5/17/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		5/17/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		5/17/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		5/17/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		5/17/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		5/17/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		5/17/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		5/17/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		5/17/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		5/17/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		5/17/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		5/17/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		5/17/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		5/17/2021	CJR	1
Tetrachloroethene	< 0.54	ug/l	0.54	2.22	1	8260B		5/17/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		5/17/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		5/17/2021	CJR	1

**Project Name** ECONOWASH  
**Project #** R3000914.00

**Invoice #** E39410

**Lab Code** 5039410B  
**Sample ID** P4  
**Sample Matrix** Water  
**Sample Date** 5/12/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		5/17/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		5/17/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		5/17/2021	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.92	1	8260B		5/17/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		5/17/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		5/17/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		5/17/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		5/17/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		5/17/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		5/17/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		5/17/2021	CJR	1
SUR - 4-Bromofluorobenzene	96	REC %			1	8260B		5/17/2021	CJR	1
SUR - Dibromofluoromethane	97	REC %			1	8260B		5/17/2021	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		5/17/2021	CJR	1

Project Name ECONOWASH  
 Project # R3000914.00

Invoice # E39410

Lab Code 5039410C  
 Sample ID P5  
 Sample Matrix Water  
 Sample Date 5/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 3.8	ug/l	3.8	15.5	10	8260B		5/18/2021	CJR	1
Bromobenzene	< 4	ug/l	4	16.5	10	8260B		5/18/2021	CJR	1
Bromodichloromethane	< 4.7	ug/l	4.7	19.3	10	8260B		5/18/2021	CJR	1
Bromoform	< 4.6	ug/l	4.6	18.7	10	8260B		5/18/2021	CJR	1
tert-Butylbenzene	< 4.5	ug/l	4.5	18.4	10	8260B		5/18/2021	CJR	1
sec-Butylbenzene	< 3.1	ug/l	3.1	12.8	10	8260B		5/18/2021	CJR	1
n-Butylbenzene	< 4.6	ug/l	4.6	18.8	10	8260B		5/18/2021	CJR	1
Carbon Tetrachloride	< 4.4	ug/l	4.4	17.9	10	8260B		5/18/2021	CJR	1
Chlorobenzene	< 3.8	ug/l	3.8	15.3	10	8260B		5/18/2021	CJR	1
Chloroethane	< 7.8	ug/l	7.8	31.6	10	8260B		5/18/2021	CJR	1
Chloroform	< 4	ug/l	4	16.4	10	8260B		5/18/2021	CJR	1
Chloromethane	< 8.4	ug/l	8.4	34.2	10	8260B		5/18/2021	CJR	1
2-Chlorotoluene	< 3.6	ug/l	3.6	14.7	10	8260B		5/18/2021	CJR	1
4-Chlorotoluene	< 4	ug/l	4	16.2	10	8260B		5/18/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 5.4	ug/l	5.4	22	10	8260B		5/18/2021	CJR	1
Dibromochloromethane	< 4.5	ug/l	4.5	18.5	10	8260B		5/18/2021	CJR	1
1,4-Dichlorobenzene	< 4.8	ug/l	4.8	19.7	10	8260B		5/18/2021	CJR	1
1,3-Dichlorobenzene	< 3.8	ug/l	3.8	15.4	10	8260B		5/18/2021	CJR	1
1,2-Dichlorobenzene	< 4.4	ug/l	4.4	18.1	10	8260B		5/18/2021	CJR	1
Dichlorodifluoromethane	< 5.5	ug/l	5.5	22.4	10	8260B		5/18/2021	CJR	1
1,2-Dichloroethane	4.5 "J"	ug/l	4.4	18.1	10	8260B		5/18/2021	CJR	1
1,1-Dichloroethane	< 4.8	ug/l	4.8	19.5	10	8260B		5/18/2021	CJR	1
1,1-Dichloroethene	< 5.5	ug/l	5.5	22.5	10	8260B		5/18/2021	CJR	1
cis-1,2-Dichloroethene	< 3.9	ug/l	3.9	15.9	10	8260B		5/18/2021	CJR	1
trans-1,2-Dichloroethene	< 6	ug/l	6	24.6	10	8260B		5/18/2021	CJR	1
1,2-Dichloropropane	5.4 "J"	ug/l	3.8	15.4	10	8260B		5/18/2021	CJR	1
1,3-Dichloropropane	< 4	ug/l	4	16.4	10	8260B		5/18/2021	CJR	1
trans-1,3-Dichloropropene	< 4.5	ug/l	4.5	18.2	10	8260B		5/18/2021	CJR	1
cis-1,3-Dichloropropene	< 5.1	ug/l	5.1	20.7	10	8260B		5/18/2021	CJR	1
Di-isopropyl ether	< 4.7	ug/l	4.7	19.3	10	8260B		5/18/2021	CJR	1
EDB (1,2-Dibromoethane)	< 4.7	ug/l	4.7	19	10	8260B		5/18/2021	CJR	1
Ethylbenzene	< 3.7	ug/l	3.7	15.1	10	8260B		5/18/2021	CJR	1
Hexachlorobutadiene	< 7.5	ug/l	7.5	30	10	8260B		5/18/2021	CJR	1
Isopropylbenzene	< 3	ug/l	3	12.4	10	8260B		5/18/2021	CJR	1
p-Isopropyltoluene	< 4.3	ug/l	4.3	17.6	10	8260B		5/18/2021	CJR	1
Methylene chloride	< 8.9	ug/l	8.9	33.8	10	8260B		5/18/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.6	ug/l	4.6	18.8	10	8260B		5/18/2021	CJR	1
Naphthalene	< 14	ug/l	14	56.7	10	8260B		5/18/2021	CJR	1
n-Propylbenzene	< 4.4	ug/l	4.4	17.9	10	8260B		5/18/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 3.6	ug/l	3.6	14.6	10	8260B		5/18/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 7.6	ug/l	7.6	31	10	8260B		5/18/2021	CJR	1
Tetrachloroethene	246	ug/l	5.4	22.2	10	8260B		5/18/2021	CJR	1
Toluene	< 4.2	ug/l	4.2	17.1	10	8260B		5/18/2021	CJR	1
1,2,4-Trichlorobenzene	< 6.7	ug/l	6.7	27.3	10	8260B		5/18/2021	CJR	1



Project Name ECONOWASH  
Project # R3000914.00

Invoice # E39410

Lab Code 5039410C  
Sample ID P5  
Sample Matrix Water  
Sample Date 5/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 6.6	ug/l	6.6	28.2	10	8260B		5/18/2021	CJR	1
1,1,1-Trichloroethane	< 4.1	ug/l	4.1	16.9	10	8260B		5/18/2021	CJR	1
1,1,2-Trichloroethane	< 4.8	ug/l	4.8	19.6	10	8260B		5/18/2021	CJR	1
Trichloroethene (TCE)	7.3 "J"	ug/l	4.7	19.2	10	8260B		5/18/2021	CJR	1
Trichlorofluoromethane	< 4.9	ug/l	4.9	20.1	10	8260B		5/18/2021	CJR	1
1,2,4-Trimethylbenzene	< 3.5	ug/l	3.5	14	10	8260B		5/18/2021	CJR	1
1,3,5-Trimethylbenzene	< 3.8	ug/l	3.8	15.5	10	8260B		5/18/2021	CJR	1
Vinyl Chloride	< 1.7	ug/l	1.7	6.5	10	8260B		5/18/2021	CJR	1
m&p-Xylene	< 7.7	ug/l	7.7	31.4	10	8260B		5/18/2021	CJR	1
o-Xylene	< 4.4	ug/l	4.4	18	10	8260B		5/18/2021	CJR	1
SUR - 4-Bromofluorobenzene	95	REC %			10	8260B		5/18/2021	CJR	1
SUR - Dibromofluoromethane	97	REC %			10	8260B		5/18/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			10	8260B		5/18/2021	CJR	1
SUR - Toluene-d8	101	REC %			10	8260B		5/18/2021	CJR	1

Project Name ECONOWASH  
 Project # R3000914.00

Invoice # E39410

Lab Code 5039410D  
 Sample ID MW3  
 Sample Matrix Water  
 Sample Date 5/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 3.8	ug/l	3.8	15.5	10	8260B		5/18/2021	CJR	1
Bromobenzene	< 4	ug/l	4	16.5	10	8260B		5/18/2021	CJR	1
Bromodichloromethane	< 4.7	ug/l	4.7	19.3	10	8260B		5/18/2021	CJR	1
Bromoform	< 4.6	ug/l	4.6	18.7	10	8260B		5/18/2021	CJR	1
tert-Butylbenzene	< 4.5	ug/l	4.5	18.4	10	8260B		5/18/2021	CJR	1
sec-Butylbenzene	< 3.1	ug/l	3.1	12.8	10	8260B		5/18/2021	CJR	1
n-Butylbenzene	< 4.6	ug/l	4.6	18.8	10	8260B		5/18/2021	CJR	1
Carbon Tetrachloride	< 4.4	ug/l	4.4	17.9	10	8260B		5/18/2021	CJR	1
Chlorobenzene	< 3.8	ug/l	3.8	15.3	10	8260B		5/18/2021	CJR	1
Chloroethane	< 7.8	ug/l	7.8	31.6	10	8260B		5/18/2021	CJR	1
Chloroform	< 4	ug/l	4	16.4	10	8260B		5/18/2021	CJR	1
Chloromethane	< 8.4	ug/l	8.4	34.2	10	8260B		5/18/2021	CJR	1
2-Chlorotoluene	< 3.6	ug/l	3.6	14.7	10	8260B		5/18/2021	CJR	1
4-Chlorotoluene	< 4	ug/l	4	16.2	10	8260B		5/18/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 5.4	ug/l	5.4	22	10	8260B		5/18/2021	CJR	1
Dibromochloromethane	< 4.5	ug/l	4.5	18.5	10	8260B		5/18/2021	CJR	1
1,4-Dichlorobenzene	< 4.8	ug/l	4.8	19.7	10	8260B		5/18/2021	CJR	1
1,3-Dichlorobenzene	< 3.8	ug/l	3.8	15.4	10	8260B		5/18/2021	CJR	1
1,2-Dichlorobenzene	< 4.4	ug/l	4.4	18.1	10	8260B		5/18/2021	CJR	1
Dichlorodifluoromethane	< 5.5	ug/l	5.5	22.4	10	8260B		5/18/2021	CJR	1
1,2-Dichloroethane	< 4.4	ug/l	4.4	18.1	10	8260B		5/18/2021	CJR	1
1,1-Dichloroethane	< 4.8	ug/l	4.8	19.5	10	8260B		5/18/2021	CJR	1
1,1-Dichloroethene	< 5.5	ug/l	5.5	22.5	10	8260B		5/18/2021	CJR	1
cis-1,2-Dichloroethene	42	ug/l	3.9	15.9	10	8260B		5/18/2021	CJR	1
trans-1,2-Dichloroethene	< 6	ug/l	6	24.6	10	8260B		5/18/2021	CJR	1
1,2-Dichloropropane	< 3.8	ug/l	3.8	15.4	10	8260B		5/18/2021	CJR	1
1,3-Dichloropropane	< 4	ug/l	4	16.4	10	8260B		5/18/2021	CJR	1
trans-1,3-Dichloropropene	< 4.5	ug/l	4.5	18.2	10	8260B		5/18/2021	CJR	1
cis-1,3-Dichloropropene	< 5.1	ug/l	5.1	20.7	10	8260B		5/18/2021	CJR	1
Di-isopropyl ether	< 4.7	ug/l	4.7	19.3	10	8260B		5/18/2021	CJR	1
EDB (1,2-Dibromoethane)	< 4.7	ug/l	4.7	19	10	8260B		5/18/2021	CJR	1
Ethylbenzene	< 3.7	ug/l	3.7	15.1	10	8260B		5/18/2021	CJR	1
Hexachlorobutadiene	< 7.5	ug/l	7.5	30	10	8260B		5/18/2021	CJR	1
Isopropylbenzene	< 3	ug/l	3	12.4	10	8260B		5/18/2021	CJR	1
p-Isopropyltoluene	< 4.3	ug/l	4.3	17.6	10	8260B		5/18/2021	CJR	1
Methylene chloride	< 8.9	ug/l	8.9	33.8	10	8260B		5/18/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 4.6	ug/l	4.6	18.8	10	8260B		5/18/2021	CJR	1
Naphthalene	< 14	ug/l	14	56.7	10	8260B		5/18/2021	CJR	1
n-Propylbenzene	< 4.4	ug/l	4.4	17.9	10	8260B		5/18/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 3.6	ug/l	3.6	14.6	10	8260B		5/18/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 7.6	ug/l	7.6	31	10	8260B		5/18/2021	CJR	1
Tetrachloroethene	1520	ug/l	5.4	22.2	10	8260B		5/18/2021	CJR	1
Toluene	< 4.2	ug/l	4.2	17.1	10	8260B		5/18/2021	CJR	1
1,2,4-Trichlorobenzene	< 6.7	ug/l	6.7	27.3	10	8260B		5/18/2021	CJR	1

**Project Name** ECONOWASH  
**Project #** R3000914.00

**Invoice #** E39410

**Lab Code** 5039410D  
**Sample ID** MW3  
**Sample Matrix** Water  
**Sample Date** 5/12/2021

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
1,2,3-Trichlorobenzene	< 6.6	ug/l	6.6	28.2	10	8260B		5/18/2021	CJR	1
1,1,1-Trichloroethane	< 4.1	ug/l	4.1	16.9	10	8260B		5/18/2021	CJR	1
1,1,2-Trichloroethane	< 4.8	ug/l	4.8	19.6	10	8260B		5/18/2021	CJR	1
Trichloroethene (TCE)	54	ug/l	4.7	19.2	10	8260B		5/18/2021	CJR	1
Trichlorofluoromethane	< 4.9	ug/l	4.9	20.1	10	8260B		5/18/2021	CJR	1
1,2,4-Trimethylbenzene	< 3.5	ug/l	3.5	14	10	8260B		5/18/2021	CJR	1
1,3,5-Trimethylbenzene	< 3.8	ug/l	3.8	15.5	10	8260B		5/18/2021	CJR	1
Vinyl Chloride	< 1.7	ug/l	1.7	6.5	10	8260B		5/18/2021	CJR	1
m&p-Xylene	< 7.7	ug/l	7.7	31.4	10	8260B		5/18/2021	CJR	1
o-Xylene	< 4.4	ug/l	4.4	18	10	8260B		5/18/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	100	REC %			10	8260B		5/18/2021	CJR	1
SUR - 4-Bromofluorobenzene	94	REC %			10	8260B		5/18/2021	CJR	1
SUR - Dibromofluoromethane	96	REC %			10	8260B		5/18/2021	CJR	1
SUR - Toluene-d8	99	REC %			10	8260B		5/18/2021	CJR	1



Project Name ECONOWASH  
 Project # R3000914.00

Invoice # E39410

Lab Code 5039410E  
 Sample ID MW14  
 Sample Matrix Water  
 Sample Date 5/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.38	ug/l	0.38	1.55	1	8260B		5/17/2021	CJR	1
Bromobenzene	< 0.4	ug/l	0.4	1.65	1	8260B		5/17/2021	CJR	1
Bromodichloromethane	< 0.47	ug/l	0.47	1.93	1	8260B		5/17/2021	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.87	1	8260B		5/17/2021	CJR	1
tert-Butylbenzene	< 0.45	ug/l	0.45	1.84	1	8260B		5/17/2021	CJR	1
sec-Butylbenzene	< 0.31	ug/l	0.31	1.28	1	8260B		5/17/2021	CJR	1
n-Butylbenzene	< 0.46	ug/l	0.46	1.88	1	8260B		5/17/2021	CJR	1
Carbon Tetrachloride	< 0.44	ug/l	0.44	1.79	1	8260B		5/17/2021	CJR	1
Chlorobenzene	< 0.38	ug/l	0.38	1.53	1	8260B		5/17/2021	CJR	1
Chloroethane	< 0.78	ug/l	0.78	3.16	1	8260B		5/17/2021	CJR	1
Chloroform	< 0.4	ug/l	0.4	1.64	1	8260B		5/17/2021	CJR	1
Chloromethane	< 0.84	ug/l	0.84	3.42	1	8260B		5/17/2021	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.47	1	8260B		5/17/2021	CJR	1
4-Chlorotoluene	< 0.4	ug/l	0.4	1.62	1	8260B		5/17/2021	CJR	1
1,2-Dibromo-3-chloropropane	< 0.54	ug/l	0.54	2.2	1	8260B		5/17/2021	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.85	1	8260B		5/17/2021	CJR	1
1,4-Dichlorobenzene	< 0.48	ug/l	0.48	1.97	1	8260B		5/17/2021	CJR	1
1,3-Dichlorobenzene	< 0.38	ug/l	0.38	1.54	1	8260B		5/17/2021	CJR	1
1,2-Dichlorobenzene	< 0.44	ug/l	0.44	1.81	1	8260B		5/17/2021	CJR	1
Dichlorodifluoromethane	< 0.55	ug/l	0.55	2.24	1	8260B		5/17/2021	CJR	1
1,2-Dichloroethane	< 0.44	ug/l	0.44	1.81	1	8260B		5/17/2021	CJR	1
1,1-Dichloroethane	< 0.48	ug/l	0.48	1.95	1	8260B		5/17/2021	CJR	1
1,1-Dichloroethene	< 0.55	ug/l	0.55	2.25	1	8260B		5/17/2021	CJR	1
cis-1,2-Dichloroethene	0.91 "J"	ug/l	0.39	1.59	1	8260B		5/17/2021	CJR	1
trans-1,2-Dichloroethene	< 0.6	ug/l	0.6	2.46	1	8260B		5/17/2021	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.54	1	8260B		5/17/2021	CJR	1
1,3-Dichloropropane	< 0.4	ug/l	0.4	1.64	1	8260B		5/17/2021	CJR	1
trans-1,3-Dichloropropene	< 0.45	ug/l	0.45	1.82	1	8260B		5/17/2021	CJR	1
cis-1,3-Dichloropropene	< 0.51	ug/l	0.51	2.07	1	8260B		5/17/2021	CJR	1
Di-isopropyl ether	< 0.47	ug/l	0.47	1.93	1	8260B		5/17/2021	CJR	1
EDB (1,2-Dibromoethane)	< 0.47	ug/l	0.47	1.9	1	8260B		5/17/2021	CJR	1
Ethylbenzene	< 0.37	ug/l	0.37	1.51	1	8260B		5/17/2021	CJR	1
Hexachlorobutadiene	< 0.75	ug/l	0.75	3	1	8260B		5/17/2021	CJR	1
Isopropylbenzene	< 0.3	ug/l	0.3	1.24	1	8260B		5/17/2021	CJR	1
p-Isopropyltoluene	< 0.43	ug/l	0.43	1.76	1	8260B		5/17/2021	CJR	1
Methylene chloride	< 0.89	ug/l	0.89	3.38	1	8260B		5/17/2021	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.46	ug/l	0.46	1.88	1	8260B		5/17/2021	CJR	1
Naphthalene	< 1.4	ug/l	1.4	5.67	1	8260B		5/17/2021	CJR	1
n-Propylbenzene	< 0.44	ug/l	0.44	1.79	1	8260B		5/17/2021	CJR	1
1,1,2,2-Tetrachloroethane	< 0.36	ug/l	0.36	1.46	1	8260B		5/17/2021	CJR	1
1,1,1,2-Tetrachloroethane	< 0.76	ug/l	0.76	3.1	1	8260B		5/17/2021	CJR	1
Tetrachloroethene	6.2	ug/l	0.54	2.22	1	8260B		5/17/2021	CJR	1
Toluene	< 0.42	ug/l	0.42	1.71	1	8260B		5/17/2021	CJR	1
1,2,4-Trichlorobenzene	< 0.67	ug/l	0.67	2.73	1	8260B		5/17/2021	CJR	1

**Project Name** ECONOWASH  
**Project #** R3000914.00

**Invoice #** E39410

**Lab Code** 5039410E  
**Sample ID** MW14  
**Sample Matrix** Water  
**Sample Date** 5/12/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2,3-Trichlorobenzene	< 0.66	ug/l	0.66	2.82	1	8260B		5/17/2021	CJR	1
1,1,1-Trichloroethane	< 0.41	ug/l	0.41	1.69	1	8260B		5/17/2021	CJR	1
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.96	1	8260B		5/17/2021	CJR	1
Trichloroethene (TCE)	1.07 "J"	ug/l	0.47	1.92	1	8260B		5/17/2021	CJR	1
Trichlorofluoromethane	< 0.49	ug/l	0.49	2.01	1	8260B		5/17/2021	CJR	1
1,2,4-Trimethylbenzene	< 0.35	ug/l	0.35	1.4	1	8260B		5/17/2021	CJR	1
1,3,5-Trimethylbenzene	< 0.38	ug/l	0.38	1.55	1	8260B		5/17/2021	CJR	1
Vinyl Chloride	< 0.17	ug/l	0.17	0.65	1	8260B		5/17/2021	CJR	1
m&p-Xylene	< 0.77	ug/l	0.77	3.14	1	8260B		5/17/2021	CJR	1
o-Xylene	< 0.44	ug/l	0.44	1.8	1	8260B		5/17/2021	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		5/17/2021	CJR	1
SUR - 1,2-Dichloroethane-d4	107	REC %			1	8260B		5/17/2021	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		5/17/2021	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		5/17/2021	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

***Code***      ***Comment***

1      Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

**Authorized Signature**

