From:	Kimberly Kennedy
To:	robert.schroeder@ci.gillett.wi.us
Cc:	Lauridsen, Keld B - DNR; Brian Wayner
Subject:	Econowash project groundwater sampling report
Date:	Thursday, September 7, 2017 4:30:35 PM
Attachments:	Econowash Sampling Report 2017.pdf

Hi Robert,

Attached you will find the Econowash project report for the groundwater sampling event conducted on July 27, 2017. A hardcopy of the report is being mailed to you as well. Keld Lauridsen of the DNR will also be receiving a copy of the sampling report.

Please contact me or Brian Wayner with any questions.

Kim Kennedy
Environmental Technician

OMNNI ASSOCIATES, INC.
ONE SYSTEMS DRIVE, APPLETON, WI 54914
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ENGINEERING
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OMNNI ASSOCIATES

OMNNI ASSOCIATES, INC.
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
TEL: 920-735-6900

September 7, 2017

Mr. Robert Schroeder
City of Gillett
150 N McKenzie Ave
Gillett WI 54124

RE: Summary of the July 27, 2017 groundwater sampling event at the former Econowash project.

Dear Ron:

The purpose of this letter report is to summarize the groundwater sampling event conducted on July 27, 2017 at the former Econowash project. The former Econowash property is located at 113 E. Main Street, Gillett, Wisconsin. (See Figure 1 – Site Location Map.) The Wisconsin Department of Natural Resources (DNR) Bureau for Remediation and Redevelopment Tracking System (BRRTS) number for the project is 02-43-547861. This report includes:

- Figure 1 – Site Location Map
- Figure 2 –Site Detail Map
- Well Specific Field Sheet
- Table 1 – Groundwater Sample Summary
- Sampling Photograph Summary
- Laboratory Report

Groundwater elevations were only taken at the monitoring points that were sampled: MW8, P2, and P4. (See Figure 2 – Site Detail Map.) Groundwater elevations were recorded on the well specific field sheets. Color, odor, and turbidity observations were also recorded on a well specific field sheet. The well specific field sheet lists the measured depth to water from the top of the PVC pipe, mean sea level groundwater elevation, the length of time spent purging and the approximate gallons of groundwater purged from each monitoring well/piezometer prior to taking the groundwater sample. (See Well Specific Field Sheet.)

Purged groundwater from the monitoring well and piezometers was collected in 5-gallon buckets. The purged groundwater was combined into two 5-gallon buckets that were dropped off at a city garage behind City hall for disposal at the waste water treatment facility.

Unfiltered groundwater samples collected from the monitoring wells and piezometers were submitted for laboratory volatile organic compound (VOC) analysis. Groundwater analytical methods are included with the laboratory report. (See Laboratory Report.) The laboratory analysis has been summarized in Table 1. (See Table 1 – Groundwater Sample Summary.)

The sampling event was conducted to provide an indication of groundwater contaminant movement in the direction of the public water supply well. Sampling near the source area was not performed.

In general, results of the laboratory analysis were lower than analysis from previous sampling events at the locations sampled. Groundwater from monitoring well MW8 had a laboratory detection limit for tetrachloroethene, but is below the preventive action limit. Groundwater analysis from piezometers P2 and P4 did not detect contamination above laboratory detection limits.

Photographs of some of the July 27, 2017 groundwater collection activities and the trees and shrubs that were planted to assist with breaking down and removing residual contamination have been included in a photographic summary. (See Sampling Photograph Summary.)

If you have any questions on the enclosed information, please contact me at 920/830-6141 or by email at bwayner@omnni.com.

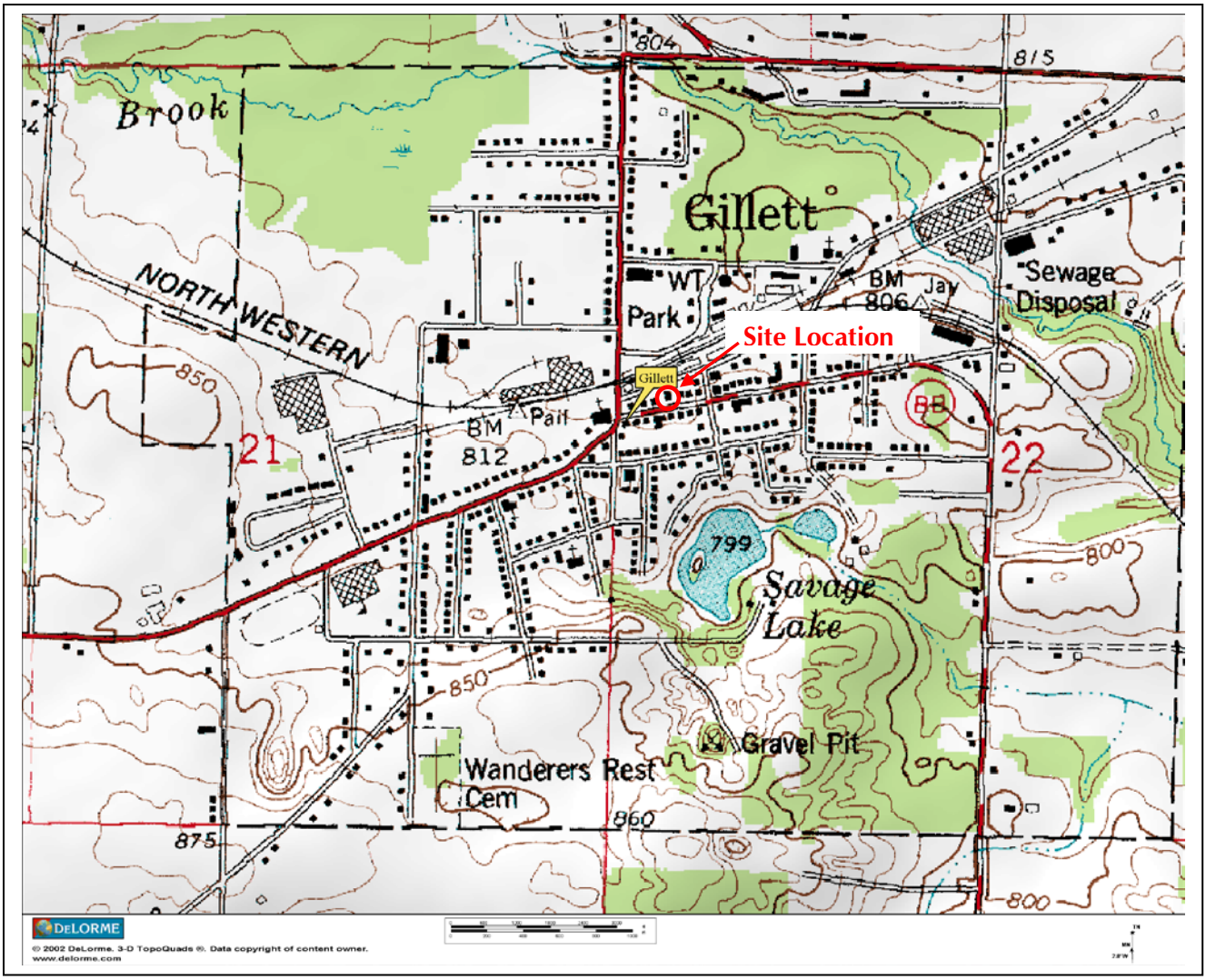
Sincerely,
OMNNI Associates, Inc.

Brian D. Wayner

Brian D. Wayner, P.E.
Environmental Manager

Attachments

cc: Mr. Keld Lauridsen, Hydrogeologist/Project Manager, DNR-Northeast Region RR,



Source: 2000 DeLorme Topo Tools

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Figure 1
Site Location Map

Former Econ-o-Wash Laudry
113 E. Main Street, Gillett, WI

OMNI ASSOCIATES

Project Number:
N2014A09

Date: 2/25/09

One Systems Drive, Appleton, Wisconsin 54914-1654
Phone: (920) 735-6900 Fax: (920) 830-6100

N
W E
S

Project Manager:	BDW
Project Engineer:	BDW
Drawn By:	JCW
Checked By:	BDW
Date:	9/7/2017

FORMER ECON-O-WASH LAUNDRY

FIGURE 2 - SITE DETAIL MAP

CITY OF GILLETT
OCONTO COUNTY, WISCONSIN

OMNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914
PHONE (920) 735-6900
FAX (920) 830-6100

SCALE: 1 " = 100 '

PROJECT NO. **N2014A17**

FIGURE NO. **2**

F:\ENVIRO\N2014A09(Gillett-Econ-o-wash)\GIS\SiteDetailMap_170907.mxd

Well Specific Field Sheets

Facility Name: Former Econ-o-wash
Date: July 27, 2017
Weather Conditions: Sunny, 80°F
Person(s) Sampling: Kim Kennedy
Sampling Equipment: Solonist 101 water level meter, Peristaltic pump - micro purge

Well Name	MW1 PI451	MW2 PI452	MW3 PI453	MW4 PI454	MW5 PI455	MW6 PI456	MW7 PI460	MW8 PI461	MW9 PI462	MW10 PI463
Top of PVC Casing Elevation (MSL)	804.94	804.56	803.95	804.14	804.15	805.52	805.41	802.14	805.24	803.98
Ground Surface Elevation (MSL)	805.73	805.35	804.57	804.78	804.50	806.07	805.46	802.48	805.30	804.31
Depth to Bottom of Well (ft)	13.50	13.35	13.65	13.36	13.11	13.60	14.15	16.50	13.89	13.35
Screen Top (MSL)	801.44	801.21	800.30	800.78	801.04	801.92	801.26	795.64	801.35	800.63
Screen Bottom (MSL)	791.44	791.21	790.30	790.78	791.04	791.92	791.26	785.64	791.35	790.63
Screen Length (ft)	10	10	10	10	10	10	10	10	10	10
Water Elevation (MSL)	–	–	–	–	–	–	–	797.01	–	–
Water Elevation (ft from ground surface)	–	–	–	–	–	–	–	5.47	–	–
Measured Depth to Water (ft)	–	–	–	–	–	–	–	5.13	–	–
Micro Purge Pump Setting	–	–	–	–	–	–	–	0.8	–	–
Time Purging Begun	–	–	–	–	–	–	–	11:20 AM	–	–
Time Purging Completed	–	–	–	–	–	–	–	11:35 AM	–	–
Amount Purged (gal)	–	–	–	–	–	–	–	2.5	–	–
Purged Dry? (Y/N)	–	–	–	–	–	–	–	N	–	–
Temperature (°C)	–	–	–	–	–	–	–	–	–	–
Conductivity (µS)	–	–	–	–	–	–	–	–	–	–
pH (std. units)	–	–	–	–	–	–	–	–	–	–
Dissolved Oxygen (mg/L)	–	–	–	–	–	–	–	–	–	–
ORP (mV)	–	–	–	–	–	–	–	–	–	–
Ferrous Iron (mg/L)	–	–	–	–	–	–	–	–	–	–
Nitrate (mg/L)	–	–	–	–	–	–	–	–	–	–
Color (Y/N)	–	–	–	–	–	–	–	N	–	–
Odor (Y/N)	–	–	–	–	–	–	–	N	–	–
Turbidity (Y/N)	–	–	–	–	–	–	–	N	–	–
Sampling Parameters	–	–	–	–	–	–	–	VOCs	–	–
Time Sample Withdrawn	–	–	–	–	–	–	–	11:36 AM	–	–
Sample field filtered? (Y/N)	–	–	–	–	–	–	–	No	–	–
Time filtered	–	–	–	–	–	–	–	–	–	–
Well secured? (Y/N)	–	–	–	–	–	–	–	Y	–	–

Purge 2" Well = (Depth to Bottom of Well - Measured Depth to Water) x 0.163 x 4

Well Specific Field Sheets

Facility Name: Former Econ-o-wash
Date: July 27, 2017
Weather Conditions: Sunny, 80°F
Person(s) Sampling: Kim Kennedy
Sampling Equipment: Solonist 101 water level meter, Peristaltic pump - micro purge

Well Name	MW11* PI465	MW12* VM301	MW13 VM303	MW14 VM305	P1 PI457	P2 PI464	P3 VM300	P4* VM302	P5 VM306	P6 VM307
Top of PVC Casing Elevation (MSL)	797.82	799.72	798.71	805.43	804.62	798.01	799.74	798.56	791.64	803.89
Ground Surface Elevation (MSL)	798.41	800.12	799.13	805.44	804.62	798.33	800.03	799.07	792.47	804.36
Depth to Bottom of Well (ft)	14.55	13.70	14.05	14.60	31.90	48.26	29.45	29.20	30.97	50.55
Screen Top (MSL)	793.27	796.02	794.66	800.83	777.72	754.75	775.29	774.36	765.67	758.34
Screen Bottom (MSL)	783.27	786.02	784.66	790.83	772.72	749.75	770.29	769.36	760.67	753.34
Screen Length (ft)	10	10	10	10	5	5	5	5	5	5
Water Elevation (MSL)	–	–	–	–	–	795.66	–	795.94	–	–
Water Elevation (ft from ground surface)	–	–	–	–	–	2.67	–	3.13	–	–
Measured Depth to Water (ft)	–	–	–	–	–	2.35	–	2.62	–	–
Micro Purge Pump Setting	–	–	–	–	–	0.8	–	0.8	–	–
Time Purging Begun	–	–	–	–	–	10:00 AM	–	10:45 AM	–	–
Time Purging Completed	–	–	–	–	–	10:15 AM	–	11:00 AM	–	–
Amount Purged (gal)	–	–	–	–	–	2.25	–	2	–	–
Purged Dry? (Y/N)	–	–	–	–	–	N	–	N	–	–
Temperature (°C)	–	–	–	–	–	–	–	–	–	–
Conductivity (µS)	–	–	–	–	–	–	–	–	–	–
pH (std. units)	–	–	–	–	–	–	–	–	–	–
Dissolved Oxygen (mg/L)	–	–	–	–	–	–	–	–	–	–
ORP (mV)	–	–	–	–	–	–	–	–	–	–
Ferrous Iron (mg/L)	–	–	–	–	–	–	–	–	–	–
Nitrate (mg/L)	–	–	–	–	–	–	–	–	–	–
Color (Y/N)	–	–	–	–	–	light brown	–	N	–	–
Odor (Y/N)	–	–	–	–	–	N	–	N	–	–
Turbidity (Y/N)	–	–	–	–	–	N	–	N	–	–
Sampling Parameters	–	–	–	–	–	VOCs	–	VOCs	–	–
Time Sample Withdrawn	–	–	–	–	–	10:16 AM	–	11:01 AM	–	–
Sample field filtered? (Y/N)	–	–	–	–	–	No	–	No	–	–
Time filtered	–	–	–	–	–	–	–	–	–	–
Well secured? (Y/N)	–	–	–	–	–	Y	–	Y	–	–

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

Purge 2" Well = (Depth to Bottom of Well - Measured Depth to Water) x 0.163 x 4

Table 1 - Groundwater Sample Summary

		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)
NR 140 ES		5	6	5	70	100	5	60	5	5
NR 140 PAL		0.5	0.6	0.5	7	20	0.5	12	0.5	0.5
MW1	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**
MW2	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
MW3	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**
MW4	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**
MW5	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**

Table 1 - Groundwater Sample Summary

		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)
NR 140 ES		5	6	5	70	100	5	60	5	5
NR 140 PAL		0.5	0.6	0.5	7	20	0.5	12	0.5	0.5
MW6	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*
MW7	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
MW8	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
MW9	6/18/09	<8.6	<9.6	<8.6	<13.6	<12.2	<5.2	<10	**670**	**12.2 J**
	11/9/10	<2.5	<3.2	<3.8	<7.8	<13	<3.4	<2.5	**1,210**	**18.2**
	2/16/11	<0.47	<0.49	<0.5	1.13 J	<0.79	<0.4	<0.8	**68**	*1.42 J*
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	**170**	*2.77*
	8/31/11	<0.47	<0.49	<0.5	*14.9*	<0.79	<0.4	<0.8	**240**	**24.5**
	11/7/11	<4.7	<4.9	<5	*7.4 J*	<7.9	<4	<8	**450**	**12 J**
	2/28/12	<4.7	<4.9	<5	*<7.4*	<7.9	<4	<8	**36**	<4.7
MW10	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	*0.72 J*	<0.39
	2/16/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	*2.84*	*0.55 J*
	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	*0.59 J*	<0.47

Table 1 - Groundwater Sample Summary

		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)
NR 140 ES		5	6	5	70	100	5	60	5	5
NR 140 PAL		0.5	0.6	0.5	7	20	0.5	12	0.5	0.5
MW11	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
MW12	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
MW13	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	*0.74 J*	*2.12*
	6/1/11	<0.47	<0.49	<0.5	<0.74	<0.79	<0.4	<0.8	<0.44	*0.56 J*
	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
MW14	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
P1	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**

Table 1 - Groundwater Sample Summary

		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)
NR 140 ES		5	6	5	70	100	5	60	5	5
NR 140 PAL		0.5	0.6	0.5	7	20	0.5	12	0.5	0.5
P2	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
P3	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
P4	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
P5	11/9/10	<12.5	<16	<19	<39	<65	<17	<12.5	**520**	<19.5
	2/16/11	<4.7	<4.9	**7.0 J**	<7.4	<7.9	**6.5 J**	<8	**273**	**8.8 J**
	6/1/11	<4.7	<4.9	**5.3 J**	<7.4	<7.9	**6.9 J**	<8	**510**	**9.1 J**
	8/31/11	<0.47	<0.49	<0.5	0.74 J	<0.79	<0.4	<0.8	**5.0**	*2.99*
	11/7/11	<0.47	<0.49	<0.5	0.74 J	<0.79	<0.4	<0.8	*4.5*	<0.47
	2/28/12	<0.47	<0.49	<0.5	0.74 J	<0.79	<0.4	<0.8	**18.7**	*1.47 J*
P6	11/9/10	<0.25	<0.32	<0.38	<0.78	<1.3	<0.34	<0.25	*0.58 J*	<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	*1.02 J*	<0.47

Table 1 - Groundwater Sample Summary

		Natural Attenuation and Field Parameters												
		Ethane (µg/L)	Ethene (µg/L)	Iron Dissolved (µg/L)	Ferrous Iron (mg/L)	Methane (µg/L)	Nitrite + Nitrate (mg/L)	Sulfate (mg/L SO_4^{-2})	pH (std. units)	Temp °C	Dissolved Oxygen (mg/L)	Field Conductivity (µS)	ORP (mV)	Water Elevation (ft MSL)
MW1	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	795.97
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.77
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
805.73	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.66	13.7	2.79	2,830	–	796.60
804.94	2/16/11	–	–	–	–	–	–	–	7.80	7.1	4.38	1,276	204	795.62
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.59	10.1	2.54	2,270	214	797.44
801.44	8/31/11	–	–	–	–	–	–	–	7.25	16.1	1.68	3,340	81.9	796.78
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.71	13.2	1.79	2,790	84.2	796.58
791.44	2/28/12	–	–	–	–	–	–	–	7.57	6.9	1.39	3,120	–	795.86
MW2	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	796.64
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.90
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
805.35	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.49	13.4	4.18	685	–	796.76
804.56	2/16/11	–	–	–	–	–	–	–	7.55	7.6	4.23	1,593	207	795.96
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.58	11.1	2.86	737	169.8	797.51
801.21	8/31/11	–	–	–	–	–	–	–	7.57	16.7	0.91	754	167.4	796.91
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.61	13.8	2.24	783	118.1	796.75
791.21	2/28/12	–	–	–	–	–	–	–	7.75	7.3	4.18	1,056	–	796.16
MW3	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	796.19
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.55
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
804.57	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	6.92	14.9	0.90	8,480	–	796.31
803.95	2/16/11	–	–	–	–	–	–	–	7.03	6.1	3.35	10,360	223	795.40
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.07	12.6	0.93	5,830	222	797.10
800.30	8/31/11	–	–	–	–	–	–	–	6.91	20.1	0.31	782	149.0	796.43
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.06	15.1	1.51	10,440	160.5	796.29
790.30	2/28/12	–	–	–	–	–	–	–	7.07	5.1	2.26	11,410	–	795.66
	10/22/14	–	–	–	–	–	–	–	–	–	–	–	–	797.01
MW4	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	795.98
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.45
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	795.88
804.78	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	795.24
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.54	15.4	3.53	1,116	–	796.26
804.14	2/16/11	<1	<1	630	–	<1	7.0	21.2	7.61	7.1	4.30	1,262	230	795.28
Top Screen:	6/1/11	<1	<1	<60	–	<1	6.86	28.7	7.52	11.0	2.92	1,246	236	797.18
800.78	8/31/11	<0.5	<0.5	–	<0.05	2.7	5.4	21.0	7.34	18.4	2.41	1,473	131.5	796.43
Bottom Screen:	11/7/11	<0.5	<0.5	–	0.53	12	3.03	18.1	7.65	15.5	1.72	1,141	140.5	796.26
790.78	2/28/12	<0.5	<0.5	–	<0.05	1.2	4.44	19.8	7.57	6.7	2.09	1,422	–	795.58
MW5	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	796.39
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.80
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	796.22
804.50	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	795.68
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.54	14.8	1.74	924	–	796.05
804.15	2/16/11	–	–	–	–	–	–	–	7.62	9.3	2.06	931	214	795.25
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.28	10.6	0.67	1,276	216	798.03
801.04	8/31/11	–	–	–	–	–	–	–	7.17	17.1	0.27	1,226	-87.3	796.86
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.33	13.9	1.38	1,218	136.3	796.75
791.04	2/28/12	<0.5	<0.5	–	0.091	4.3	9.81	23.6	7.32	6.0	1.30	799	–	796.10
MW6	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	796.50
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.93
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
806.07	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.37	13.0	3.28	2,990	–	796.80
805.52	2/16/11	–	–	–	–	–	–	–	7.41	7.5	2.22	5,270	224	795.92
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.61	10.1	2.22	3,370	160	797.62
801.92	8/31/11	–	–	–	–	–	–	–	7.59	15.6	1.84	2,700	123.5	796.99
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.47	14.3	1.74	2,480	133.1	797.82
791.92	2/28/12	–	–	–	–	–	–	–	7.65	7.2	2.79	1,240	–	796.19
MW7	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.96
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	796.50
805.46	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	795.95
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.44	13.0	2.92	3,460	–	796.92
805.41	2/16/11	–	–	–	–	–	–	–	7.41	8.9	2.69	5,420	242	796.05
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.41	11.1	2.54	4,720	158.9	797.59
801.92	8/31/11	–	–	–	–	–	–	–	7.83	15.8	2.24	1,135	145.7	797.02
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.87	13.9	2.21	1,359	95.8	796.86
791.92	2/28/12	–	–	–	–	–	–	–	8.70	9.4	3.09	2,710	–	796.26

Table 1 - Groundwater Sample Summary

		Natural Attenuation and Field Parameters												
		Ethane (µg/L)	Ethene (µg/L)	Iron Dissolved (µg/L)	Ferrous Iron (mg/L)	Methane (µg/L)	Nitrite + Nitrate (mg/L)	Sulfate (mg/L SO_4^{-2})	pH (std. units)	Temp °C	Dissolved Oxygen (mg/L)	Field Conductivity (µS)	ORP (mV)	Water Elevation (ft MSL)
MW8	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.10
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	795.47
802.48	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	794.97
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.02	12.5	1.57	1,701	–	795.85
802.14	2/16/11	<1	<1	200 J	–	<1	9.85	53.4	7.38	5.9	0.75	1,585	244	794.87
Top Screen:	6/1/11	<1	<1	230	–	<1	43.9	133	6.94	8.9	0.88	1,829	74.8	796.87
795.64	8/31/11	<0.5	<0.5	–	1.0	<1	<0.1	28.9	7.65	13.2	0.56	939	-80.2	795.47
Bottom Screen:	11/7/11	<0.5	<0.5	–	1.6	2.6 J	<0.1	37.7	7.75	11.3	1.42	906	-91.7	795.51
785.64	2/28/12	<0.5	<0.5	–	0.09	2.1	<0.1	41.6	7.70	7.5	1.12	1,031	–	794.81
	7/27/17	–	–	–	–	–	–	–	–	–	–	–	–	797.01
MW9	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.89
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
805.30	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.44	14.4	3.75	924	–	796.72
805.24	2/16/11	–	–	–	–	–	–	–	7.68	8.0	4.03	1,138	209	795.82
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.69	10.7	3.12	615	180	797.55
801.35	8/31/11	–	–	–	–	–	–	–	7.56	16.3	2.44	922	88.5	796.90
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.64	14.8	2.08	774	140.9	796.73
791.35	2/28/12	–	–	–	–	–	–	–	7.97	6.9	3.38	1,285	–	796.07
MW10	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.48
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
804.31	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.09	15.5	1.71	2,600	–	796.21
803.98	2/16/11	–	–	–	–	–	–	–	7.38	6.4	1.38	1,591	206	795.13
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.19	12.0	1.86	4,070	245	797.17
800.63	8/31/11	–	–	–	–	–	–	–	7.07	19.9	0.70	2,540	115.7	796.37
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.29	15.0	1.84	1,870	59.7	796.19
790.63	2/28/12	–	–	–	–	–	–	–	7.33	6.3	1.39	1,751	–	795.41
MW11	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	792.94
798.41	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	793.07
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.18	13.6	0.65	1,490	–	793.86
797.82*	2/16/11	–	–	–	–	–	–	–	7.51	6.1	1.35	929	147.7	792.93
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.21	10.1	0.50	1,439	146.3	793.32
793.44	8/31/11	–	–	–	–	–	–	–	7.16	17.2	0.73	1,395	147.1	793.74
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.23	13.3	0.83	1,337	176.0	793.13
783.44	2/28/12	–	–	–	–	–	–	–	7.18	4.4	0.91	1,474	–	793.26
	10/22/14	–	–	–	–	–	–	–	–	–	–	–	–	794.39
MW12	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
800.12	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.05	12.0	0.87	1,248	–	796.14
799.72*	2/16/11	–	–	–	–	–	–	–	7.44	7.9	0.81	680	235	794.97
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.15	9.2	0.42	1,239	-54	786.02
796.19	8/31/11	–	–	–	–	–	–	–	7.11	15.8	0.46	1,180	-48.9	795.87
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.27	12.9	1.90	1,196	-44.9	796.10
786.19	2/28/12	–	–	–	–	–	–	–	7.35	5.0	1.88	1,277		795.54
MW13	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
799.13	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.21	11.6	2.09	1,179	–	794.60
798.71	2/16/11	<1	<1	600	–	2.2 J	<0.1	155	7.69	4.9	1.61	726	106.6	793.43
Top Screen:	6/1/11	<1	<1	110 J	–	<1	<0.1	31.7	7.19	9.3	0.69	1,150	171.9	795.32
794.66	8/31/11	<0.5	<0.5	–	0.24	5.4	<0.1	59.7	8.07	14.3	0.61	853	53.5	795.62
Bottom Screen:	11/7/11	<0.5	<0.5	–	0.14	7.6	<0.1	89.2	8.11	10.7	1.48	806	135.4	795.00
784.66	2/28/12	<0.5	<0.5	–	0.10	6.2	<0.1	46.0	7.22	7.0	2.12	314	–	794.33
	10/22/14	–	–	–	–	–	–	–	–	–	–	–	–	795.52
MW14	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
805.44	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.44	14.1	1.56	7,160	–	797.20
805.43	2/16/11	<1	<1	70 J	–	<1	3.43	18.5	7.56	8.4	1.35	6,600	220	796.33
Top Screen:	6/1/11	<1	<1	<60	–	2.0 J	27.5	98.7	7.66	10.4	2.23	5,010	130.5	797.91
800.83	8/31/11	<0.5	<0.5	–	<0.05	1.5	18.5	107	7.53	16.2	1.81	5,730	158.1	797.39
Bottom Screen:	11/7/11	<0.5	<0.5	–	<0.05	2.5 J	23.3	171	7.78	14.2	1.63	3,300	72.0	797.19
790.83	2/28/12	<0.5	<0.5	–	<0.05	2.0	15.0	121	8.20	7.8	1.98	4,630	–	796.51

Table 1 - Groundwater Sample Summary

		Natural Attenuation and Field Parameters												
		Ethane (µg/L)	Ethene (µg/L)	Iron Dissolved (µg/L)	Ferrous Iron (mg/L)	Methane (µg/L)	Nitrite + Nitrate (mg/L)	Sulfate (mg/L SO_4^{-2})	pH (std. units)	Temp °C	Dissolved Oxygen (mg/L)	Field Conductivity (µS)	ORP (mV)	Water Elevation (ft MSL)
P1	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	796.20
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	796.51
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	795.74
804.96	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	795.51
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.22	14.6	2.17	1,377	–	797.12
804.63	2/16/11	–	–	–	–	–	–	–	7.59	7.8	3.42	1,172	212	796.24
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.67	11.2	1.03	960	220	797.39
777.73	8/31/11	–	–	–	–	–	–	–	7.63	15.5	0.46	881	127.8	796.76
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.73	13.9	1.27	855	146.9	795.63
772.73	2/28/12	<0.5	<0.5	<0.05	<0.05	2.0	0.74	24.60	7.65	8.0	3.10	847	–	796.07
P2	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	792.37
798.33	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	793.13
Top Casing:	11/9/10	–	–	–	–	–	–	–	8.83	12.0	4.52	377	–	794.36
798.01	2/16/11	–	–	–	–	–	–	–	7.58	8.7	3.35	423	156.3	793.96
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.78	10.7	0.45	597	146.8	795.76
754.75	8/31/11	–	–	–	–	–	–	–	8.01	14.9	0.71	497	119.0	794.46
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	8.16	11.7	0.84	462	46.5	795.01
749.75	2/28/12	–	–	–	–	–	–	–	8.13	7.7	4.45	333	–	794.71
	10/22/14	–	–	–	–	–	–	–	–	–	–	–	–	794.63
	7/27/17	–	–	–	–	–	–	–	–	–	–	–	–	795.66
P3	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
800.03	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.79	12.2	1.16	597	–	796.14
799.74	2/16/11	–	–	–	–	–	–	–	7.65	7.7	1.01	630	211	795.34
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.89	10.0	0.60	626	-20.5	796.89
775.29	8/31/11	–	–	–	–	–	–	–	8.33	13.8	0.53	203	-226	796.11
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	8.17	11.7	1.63	219	-191.8	796.16
770.29	2/28/12	–	–	–	–	–	–	–	8.12	6.6	4.51	1,068	–	795.62
P4	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
799.07	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	8.02	11.0	0.86	855	–	795.10
798.56*	2/16/11	–	–	–	–	–	–	–	7.94	7.2	1.09	884	117.7	794.13
Top Screen:	6/1/11	–	–	–	–	–	–	–	8.06	10.1	0.50	885	-34.3	795.81
774.53	8/31/11	–	–	–	–	–	–	–	7.72	15.6	0.68	709	-19.2	794.27
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.66	12.0	0.77	807	144.5	794.43
769.53	2/28/12	–	–	–	–	–	–	–	7.61	4.5	0.75	929	–	793.73
	10/22/14	–	–	–	–	–	–	–	–	–	–	–	–	795.00
	7/27/17	–	–	–	–	–	–	–	–	–	–	–	–	795.94
P5	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
802.47	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	7.63	11.6	0.67	966	–	794.93
801.64	2/16/11	–	–	–	–	–	–	–	7.63	7.5	3.62	969	123.4	794.34
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.63	9.5	0.37	1,059	-89.4	795.85
775.67	8/31/11	–	–	–	–	–	–	–	7.03	14.9	0.65	1,643	107.1	795.50
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.15	12.5	2.24	1,543	51.8	795.44
770.67	2/28/12	–	–	–	–	–	–	–	7.61	6.3	0.71	1,699	–	794.68
P6	3/26/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Elevations msl:	6/18/09	–	–	–	–	–	–	–	–	–	–	–	–	–
Surface:	10/7/09	–	–	–	–	–	–	–	–	–	–	–	–	–
804.36	1/13/10	–	–	–	–	–	–	–	–	–	–	–	–	–
Top Casing:	11/9/10	–	–	–	–	–	–	–	–	–	–	–	–	795.64
803.89	2/16/11	–	–	–	–	–	–	–	7.80	7.2	1.07	609	122	795.99
Top Screen:	6/1/11	–	–	–	–	–	–	–	7.56	10.1	0.41	1,112	157	796.74
758.34	8/31/11	–	–	–	–	–	–	–	7.61	15.2	0.75	1,213	100.1	795.32
Bottom Screen:	11/7/11	–	–	–	–	–	–	–	7.27	14.7	1.09	1,000	161.1	795.44
753.34	2/28/12	<0.5	<0.5	1.2	1.2	1.8	<0.1	30	7.32	7.2	0.69	1,501	–	796.62

* PVC elevation lowered 2" (o.17') during flushmount repair work May 2011

Table 1 - Groundwater Sample Summary

Notes:

— = not analyzed
msl = mean sea level

BOLD entries indicate that concentration detected is above ch. NR 140, Wis. Adm. Code Enforcement Standards (ES)
ITALIC entries indicate that concentration detected is above ch. NR 140, Wis. Adm. Code Preventive Action Limit (PAL)

Data Qualifiers:

J = Analyte detected between the limit of detection and limit of quantitation. (Synergy Environmental Lab)

Chloroform detected in trip blank:	10/07/09	174 µg/L
	01/13/10	134 µg/L
	11/09/10	1.96 µg/L
	02/16/11	1.26 J µg/L
Ethylbenzene detected in trip blank:	07/27/17	1.85 µg/L


07/27/2017


07/27/2017


07/27/2017


07/27/2017


07/27/2017


07/27/2017


07/27/2017


07/27/2017


Welcome
07/27/2017

CHAIN OF STODY RECORD

Synergy
Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Chain # Nº 3180

Page 1 of 1

Sample Handling Request
_____ Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
X Normal Turn Around

Lab I.D. #

Account No. : **Quote No.:**

Project #: N2014A17

Sampler: (signature) Kimberly Kennedy

Project (Name / Location): Econowash Gillett, Wisconsin

Reports To: Kim Kennedy	Invoice To: Kim Kennedy
Company OMNNI Associates	Company OMNNI
Address One Systems Drive	Address
City State Zip Appleton WI	City State Zip SAME
Phone 920/830-6174	Phone
FAX 920/830-6100	~~FAX~~ email: KKennedy@omnni.com

Lab I.D.	Sample I.D.	Collection Date	Collection Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
503326A	TRIP	7/27	8:30A		X	N	3	GW	HCL
B	MW8	"	11:36A		"	"	"	"	"
C	P2	"	10:16A		"	"	"	"	"
D	P4	"	11:01A		"	"	"	"	"

Analysis Requested / **Other Analysis**

DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS								PID/ FID
												X									
												X									
												X									
												X									

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Sample Integrity - To be completed by receiving lab.

Method of Shipment: Client

Temp. of Temp. Blank ____ °C On Ice: ✓

Cooler seal intact upon receipt: ✓ Yes ____ No

Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
KDKennedy	1:21p	7-27			

Received in Laboratory By: Gmcr CStedman Time: 1:21 Date: 7/27/17

Synergy Environmental Lab, INC.

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

KIM KENNEDY
OMNNI ASSOCIATES INC
ONE SYSTEMS DRIVE
APPLETON WI 54914-1654

Report Date *04-Aug-17*

Project Name ECONOWASH **Invoice #** E33326
Project # N2014A17

Lab Code 5033326A
Sample ID TRIP
Sample Matrix Water
Sample Date 7/27/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/28/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/28/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/28/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/28/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/28/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/28/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/28/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/28/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/28/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/28/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/28/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/28/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/28/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/28/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/28/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/28/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/28/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/28/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/28/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/28/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/28/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/28/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/28/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/28/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/28/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/28/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/28/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/28/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/28/2017	CJR	1

Project Name ECONOWASH **Invoice #** E33326
Project # N2014A17

Lab Code 5033326A
Sample ID TRIP
Sample Matrix Water
Sample Date 7/27/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/28/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/28/2017	CJR	1
Ethylbenzene	1.85	ug/l	0.2	0.63	1	8260B		7/28/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/28/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/28/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/28/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/28/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/28/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/28/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/28/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/28/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/28/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		7/28/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/28/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/28/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/28/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/28/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/28/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/28/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/28/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/28/2017	CJR	1
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/28/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/28/2017	CJR	1
m&p-Xylene	5.9	ug/l	1.56	4.95	1	8260B		7/28/2017	CJR	1
o-Xylene	2.2	ug/l	0.39	1.25	1	8260B		7/28/2017	CJR	1
SUR - Toluene-d8	93	REC %			1	8260B		7/28/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	98	REC %			1	8260B		7/28/2017	CJR	1
SUR - 4-Bromofluorobenzene	98	REC %			1	8260B		7/28/2017	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		7/28/2017	CJR	1

Project Name ECONOWASH **Invoice #** E33326
Project # N2014A17

Lab Code 5033326B
Sample ID MW8
Sample Matrix Water
Sample Date 7/27/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		8/3/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		8/3/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		8/3/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		8/3/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		8/3/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		8/3/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		8/3/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		8/3/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		8/3/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		8/3/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		8/3/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		8/3/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		8/3/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		8/3/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		8/3/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		8/3/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		8/3/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		8/3/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		8/3/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		8/3/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		8/3/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		8/3/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		8/3/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		8/3/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		8/3/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		8/3/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		8/3/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		8/3/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		8/3/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		8/3/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		8/3/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		8/3/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		8/3/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		8/3/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		8/3/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		8/3/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		8/3/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		8/3/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		8/3/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		8/3/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		8/3/2017	CJR	1
Tetrachloroethene	0.49 "J"	ug/l	0.48	1.52	1	8260B		8/3/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		8/3/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		8/3/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		8/3/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		8/3/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		8/3/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		8/3/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		8/3/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		8/3/2017	CJR	1

Project Name ECONOWASH **Invoice #** E33326
Project # N2014A17

Lab Code 5033326B
Sample ID MW8
Sample Matrix Water
Sample Date 7/27/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		8/3/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		8/3/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		8/3/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		8/3/2017	CJR	1
SUR - Dibromofluoromethane	101	REC %			1	8260B		8/3/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		8/3/2017	CJR	1
SUR - 4-Bromofluorobenzene	102	REC %			1	8260B		8/3/2017	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		8/3/2017	CJR	1

Project Name ECONOWASH **Invoice #** E33326
Project # N2014A17

Lab Code 5033326C
Sample ID P2
Sample Matrix Water
Sample Date 7/27/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/28/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/28/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/28/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/28/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/28/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/28/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/28/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/28/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/28/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/28/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/28/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/28/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/28/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/28/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/28/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/28/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/28/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/28/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/28/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/28/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/28/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/28/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/28/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/28/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/28/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/28/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/28/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/28/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/28/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/28/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/28/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/28/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/28/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/28/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/28/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/28/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/28/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/28/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/28/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/28/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/28/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		7/28/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/28/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/28/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/28/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/28/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/28/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/28/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/28/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/28/2017	CJR	1

Project Name ECONOWASH **Invoice #** E33326
Project # N2014A17

Lab Code 5033326C
Sample ID P2
Sample Matrix Water
Sample Date 7/27/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/28/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/28/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/28/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/28/2017	CJR	1
SUR - Toluene-d8	94	REC %			1	8260B		7/28/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	89	REC %			1	8260B		7/28/2017	CJR	1
SUR - 4-Bromofluorobenzene	99	REC %			1	8260B		7/28/2017	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		7/28/2017	CJR	1

Project Name ECONOWASH **Invoice #** E33326
Project # N2014A17

Lab Code 5033326D
Sample ID P4
Sample Matrix Water
Sample Date 7/27/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.17	ug/l	0.17	0.55	1	8260B		7/28/2017	CJR	1
Bromobenzene	< 0.43	ug/l	0.43	1.37	1	8260B		7/28/2017	CJR	1
Bromodichloromethane	< 0.31	ug/l	0.31	1	1	8260B		7/28/2017	CJR	1
Bromoform	< 0.49	ug/l	0.49	1.56	1	8260B		7/28/2017	CJR	1
tert-Butylbenzene	< 0.39	ug/l	0.39	1.23	1	8260B		7/28/2017	CJR	1
sec-Butylbenzene	< 0.24	ug/l	0.24	0.76	1	8260B		7/28/2017	CJR	1
n-Butylbenzene	< 0.34	ug/l	0.34	1.08	1	8260B		7/28/2017	CJR	1
Carbon Tetrachloride	< 0.21	ug/l	0.21	0.68	1	8260B		7/28/2017	CJR	1
Chlorobenzene	< 0.27	ug/l	0.27	0.86	1	8260B		7/28/2017	CJR	1
Chloroethane	< 0.5	ug/l	0.5	1.6	1	8260B		7/28/2017	CJR	1
Chloroform	< 0.96	ug/l	0.96	3.04	1	8260B		7/28/2017	CJR	1
Chloromethane	< 1.3	ug/l	1.3	4.15	1	8260B		7/28/2017	CJR	1
2-Chlorotoluene	< 0.36	ug/l	0.36	1.15	1	8260B		7/28/2017	CJR	1
4-Chlorotoluene	< 0.35	ug/l	0.35	1.11	1	8260B		7/28/2017	CJR	1
1,2-Dibromo-3-chloropropane	< 1.88	ug/l	1.88	5.98	1	8260B		7/28/2017	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.44	1	8260B		7/28/2017	CJR	1
1,4-Dichlorobenzene	< 0.42	ug/l	0.42	1.34	1	8260B		7/28/2017	CJR	1
1,3-Dichlorobenzene	< 0.45	ug/l	0.45	1.43	1	8260B		7/28/2017	CJR	1
1,2-Dichlorobenzene	< 0.34	ug/l	0.34	1.09	1	8260B		7/28/2017	CJR	1
Dichlorodifluoromethane	< 0.38	ug/l	0.38	1.2	1	8260B		7/28/2017	CJR	1
1,2-Dichloroethane	< 0.45	ug/l	0.45	1.43	1	8260B		7/28/2017	CJR	1
1,1-Dichloroethane	< 0.42	ug/l	0.42	1.34	1	8260B		7/28/2017	CJR	1
1,1-Dichloroethene	< 0.46	ug/l	0.46	1.47	1	8260B		7/28/2017	CJR	1
cis-1,2-Dichloroethene	< 0.41	ug/l	0.41	1.29	1	8260B		7/28/2017	CJR	1
trans-1,2-Dichloroethene	< 0.35	ug/l	0.35	1.12	1	8260B		7/28/2017	CJR	1
1,2-Dichloropropane	< 0.39	ug/l	0.39	1.24	1	8260B		7/28/2017	CJR	1
1,3-Dichloropropane	< 0.49	ug/l	0.49	1.55	1	8260B		7/28/2017	CJR	1
trans-1,3-Dichloropropene	< 0.42	ug/l	0.42	1.33	1	8260B		7/28/2017	CJR	1
cis-1,3-Dichloropropene	< 0.21	ug/l	0.21	0.65	1	8260B		7/28/2017	CJR	1
Di-isopropyl ether	< 0.26	ug/l	0.26	0.83	1	8260B		7/28/2017	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		7/28/2017	CJR	1
Ethylbenzene	< 0.2	ug/l	0.2	0.63	1	8260B		7/28/2017	CJR	1
Hexachlorobutadiene	< 1.47	ug/l	1.47	4.68	1	8260B		7/28/2017	CJR	1
Isopropylbenzene	< 0.29	ug/l	0.29	0.93	1	8260B		7/28/2017	CJR	1
p-Isopropyltoluene	< 0.28	ug/l	0.28	0.91	1	8260B		7/28/2017	CJR	1
Methylene chloride	< 0.94	ug/l	0.94	2.98	1	8260B		7/28/2017	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.82	ug/l	0.82	2.6	1	8260B		7/28/2017	CJR	1
Naphthalene	< 2.17	ug/l	2.17	6.9	1	8260B		7/28/2017	CJR	1
n-Propylbenzene	< 0.19	ug/l	0.19	0.62	1	8260B		7/28/2017	CJR	1
1,1,2,2-Tetrachloroethane	< 0.69	ug/l	0.69	2.21	1	8260B		7/28/2017	CJR	1
1,1,1,2-Tetrachloroethane	< 0.47	ug/l	0.47	1.48	1	8260B		7/28/2017	CJR	1
Tetrachloroethene	< 0.48	ug/l	0.48	1.52	1	8260B		7/28/2017	CJR	1
Toluene	< 0.67	ug/l	0.67	2.13	1	8260B		7/28/2017	CJR	1
1,2,4-Trichlorobenzene	< 1.29	ug/l	1.29	4.1	1	8260B		7/28/2017	CJR	1
1,2,3-Trichlorobenzene	< 0.83	ug/l	0.83	2.63	1	8260B		7/28/2017	CJR	1
1,1,1-Trichloroethane	< 0.35	ug/l	0.35	1.11	1	8260B		7/28/2017	CJR	1
1,1,2-Trichloroethane	< 0.65	ug/l	0.65	2.06	1	8260B		7/28/2017	CJR	1
Trichloroethene (TCE)	< 0.45	ug/l	0.45	1.43	1	8260B		7/28/2017	CJR	1
Trichlorofluoromethane	< 0.64	ug/l	0.64	2.04	1	8260B		7/28/2017	CJR	1
1,2,4-Trimethylbenzene	< 1.14	ug/l	1.14	3.63	1	8260B		7/28/2017	CJR	1

Project Name ECONOWASH **Invoice #** E33326
Project # N2014A17

Lab Code 5033326D
Sample ID P4
Sample Matrix Water
Sample Date 7/27/2017

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.91	ug/l	0.91	2.9	1	8260B		7/28/2017	CJR	1
Vinyl Chloride	< 0.19	ug/l	0.19	0.62	1	8260B		7/28/2017	CJR	1
m&p-Xylene	< 1.56	ug/l	1.56	4.95	1	8260B		7/28/2017	CJR	1
o-Xylene	< 0.39	ug/l	0.39	1.25	1	8260B		7/28/2017	CJR	1
SUR - Toluene-d8	94	REC %			1	8260B		7/28/2017	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		7/28/2017	CJR	1
SUR - 4-Bromofluorobenzene	101	REC %			1	8260B		7/28/2017	CJR	1
SUR - Dibromofluoromethane	106	REC %			1	8260B		7/28/2017	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