



December 28, 2020

Mr. Gerald DeMers
Environmental Engineer
Wisconsin Department of Natural Resources
141 NW Barstow Street, Room 180
Waukesha, WI 53188

RE: Soil Disposal Information Associated with the R&R Excavating Site
Located on Highway I in the Town of Cedarburg, Wisconsin — FEC
Project No. 041013

Dear Mr. Demers:

As you are aware, ***Friess Environmental Consulting, Inc. (FEC)*** has submitted requests for disposal of soils from construction projects at the above-referenced site (the "Site") under the Wisconsin Department of Natural Resources (DNR) low-hazard exemption (LHE) per s. 289.43(8) of the Wisconsin Statutes and/or the exemption per ch. NR 718.12 Wisconsin Administrative Code (WAC). The DNR did grant one approval to dispose of soils in 2020. In addition, several projects were coordinated for the disposal of clean fill soils. We are presenting this annual report to provide the results of stormwater and groundwater sampling and analytical testing conducted at the Site and provide an update for the reclamation in 2020.

In 2020, FEC documented the disposal of 250 truckloads of exempt soils and 572 truckloads of clean fill. It is estimated that each truck contained approximately 10 yards. As such, approximately 8,220 cubic yards of soil were disposed of at the Site in 2020. A summary of the filling operations per month is included on the attached Table. It is estimated that the remaining capacity at the Site is approximately 386,400 cubic yards.

As you are aware, the results of soil and groundwater analytical testing conducted on the source sites have been provided to the DNR in each exemption request that was submitted and reviewed by the DNR. The results continue to demonstrate that the PAH and metals detected within the soils are not considered a risk to groundwater. The exposure pathways are further protected with the conditions of the Site, including the final use of the Site as agricultural

(no development or potable wells) and capping of the Site with at least 2 feet of clean material, and the approved reclamation plan for the Site.

On May 12, 2020 and October 9, 2020, FEC collected a grab sample from the stormwater pond (SW) and a groundwater sample from MW-1. The water samples collected were submitted to a DNR-certified laboratory for analyses of volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs) and select RCRA metals. No VOCs, PAHs, or select RCRA metals were detected in the water samples except for several low level or "J Flag" concentrations. The detections are likely attributable to slight turbidity in the samples collected or a laboratory artifact. The results of all the testing were well below their applicable DNR groundwater quality standards. The analytical reports are included with this letter.

As you are aware, stormwater levels on the site continued to increase as a result of the completed filling operation on the neighboring Rettmann property and the continued filling operations on the site. Between May and October 30, 2020, stormwater management was conducted as part of the continued reclamation activities. It is estimated that the stormwater levels within the pit were reduced approximately 10.2 feet because of the stormwater management. Stormwater discharge will continue in spring 2021 and will be conducted on an as needed basis.

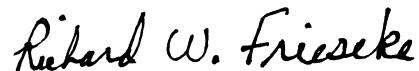
We hope this letter provides sufficient information regarding the continued reclamation activities at the R&R Excavating Site. If you have any questions or comments regarding this submittal, please contact us at (414) 228-9815.

Respectfully,

Friess Environmental Consulting, Inc.



Trenton J. Ott
Project Manager



Richard W. Frieseke, P.E.
President

CC: Mr. Barry Sullivan; Ozaukee County Resource Board
Mr. Richard Charmoli; Charmoli Holdings, LLC
Ms. Jean Ponfil; Ponfil Trust

041013 2020

Summary of 2020 Filling Operations
R&R Excavating Site
Town of Cedarburg

FEC Project #	Project Name	# of Truckloads	Month	Year	Total
200401	HWY 60 CDS	110	April	2020	
		186	May	2020	
		2	June	2020	
		2	July	2020	300
200406	La Rosa	2	April	2020	
		4	May	2020	
		6	November	2020	12
200502	Larry Concrete	1	May	2020	
		4			5
200607	KS Energy	20	June	2020	
		40	July	2020	
		47	August	2020	
		45	September	2020	
		10	October	2020	
		7	November	2020	169
200301	Hartland LHE	250	August	2020	250
200404	Secret Garden	2	August	2020	
		32	October	2020	
		11	November	2020	45
200801	Cedarburg LW	28	October	2020	
					28
200704	Glacier Concepts	1	July	2020	
					1
200702	A Grade Above	3	July	2020	
					3
200903	Klug	9	September	2020	
					9

Table 1
VOC Groundwater Analytical Results
R&R Excavating Site - CDS
Cedarburg, Wisconsin

Sample Location	Sampling Date	Benzene (ppb)	Chloro-ethane (ppb)	1,1-DCA (ppb)	1,2-DCA (ppb)	1,1-DCE (ppb)	cis-1,2-DCE (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	1,1,1-TCA (ppb)	TCE (ppb)	Combined TMBs (ppb)	Vinyl Chloride (ppb)	Total Xylenes (ppb)
QP-1	6/7/12	<0.50	<1.40	<0.98	<0.50	<0.60	<0.74	<0.78	<0.80	<2.10	<0.53	<0.85	<0.47	<1.54	<0.18	<1.90
SW	10/27/15	<0.44	<0.65	<1.1	<0.48	<0.65	<0.45	<0.71	<1.1	<1.6	<0.44	<0.84	<0.47	<3.10	<0.17	<3.10
	6/16/16	<0.44	<0.65	<1.1	<0.48	<0.65	<0.45	<0.71	<1.1	<1.6	<0.44	<0.84	<0.47	<3.10	<0.17	<3.10
	11/3/16	<0.44	<0.65	<1.1	<0.48	<0.65	<0.45	<0.71	<1.1	<1.6	<0.44	<0.84	<0.47	<3.10	<0.17	<3.10
	6/22/17	<0.44	<0.65	<1.1	<0.48	<0.65	<0.45	<0.71	<1.1	<1.6	<0.44	<0.84	<0.47	<3.10	<0.17	<3.10
	10/20/17	<0.44	<0.65	<1.1	<0.48	<0.65	<0.45	<0.71	<1.1	<1.6	<0.44	<0.84	<0.47	<3.10	<0.17	<3.10
	7/10/18	<0.22	<0.61	<0.36	<0.25	<0.42	<0.37	<0.26	<0.28	<2.1	<0.19	<0.33	<0.3	<1.2	<0.2	<0.71
	8/2/19	<0.22	<0.61	<0.36	<0.25	<0.42	<0.37	<0.26	<0.28	<2.1	4.20	<0.33	<0.3	<1.2	<0.2	<0.71
	10/24/19	<0.22	<0.61	<0.36	<0.25	<0.42	<0.37	<0.26	<0.28	<2.1	0.81	<0.33	<0.3	<1.2	<0.2	<0.71
	5/12/20	<0.33	<1.1	<0.46	<0.39	<0.5	<0.39	<0.32	<0.47	<1.1	1.52	<0.3	<0.47	<0.62	<0.2	<1.48
	10/9/20	<0.33	<1.1	<0.46	<0.39	<0.5	<0.39	<0.32	<0.47	<1.1	1.31	<0.3	<0.47	<0.62	<0.2	<1.48
MW-1	8/22/12	<0.50	<1.40	<0.98	<0.50	<0.60	<0.74	<0.78	<0.80	<2.10	<0.53	<0.85	<0.47	<1.54	<0.18	<1.90
	8/30/13	<0.24	<0.63	<0.30	<0.41	<0.40	<0.38	<0.55	<0.23	<1.70	<0.69	<0.33	<0.33	<3.60	<0.18	<1.32
	12/6/13	<0.24	<0.63	<0.30	<0.41	<0.40	<0.38	<0.55	<0.23	<1.70	<0.69	<0.33	<0.33	<3.60	<0.18	<1.32
	5/9/14	<0.24	<0.63	<0.30	<0.41	<0.40	<0.38	<0.55	<0.23	<1.70	<0.69	<0.33	<0.33	<3.60	<0.18	<1.32
	9/10/14	<0.24	<0.63	<0.30	<0.41	<0.40	<0.38	<0.55	<0.23	<1.70	<0.69	<0.33	<0.33	<3.60	<0.18	<1.32
	10/27/15	<0.44	<0.65	<1.1	<0.48	<0.65	<0.45	<0.71	<1.1	<1.6	<0.44	<0.84	<0.47	<3.10	<0.17	<3.10
	6/16/16	<0.44	<0.65	<1.1	<0.48	<0.65	<0.45	<0.71	<1.1	<1.6	<0.44	<0.84	<0.47	<3.10	<0.17	<3.10
	11/3/16	<0.44	<0.65	<1.1	<0.48	<0.65	<0.45	<0.71	<1.1	<1.6	<0.44	<0.84	<0.47	<3.10	<0.17	<3.10
	6/22/17	<0.44	<0.65	<1.1	<0.48	<0.65	<0.45	<0.71	<1.1	<1.6	<0.44	<0.84	<0.47	<3.10	<0.17	<3.10
	10/20/17	<0.44	<0.65	<1.1	<0.48	<0.65	<0.45	<0.71	<1.1	<1.6	<0.44	<0.84	<0.47	<3.10	<0.17	<3.10
	12/29/18	<0.22	<0.61	<0.36	<0.25	<0.42	<0.37	<0.26	<0.28	<2.1	3.20	<0.33	<0.3	<1.2	<0.2	<0.71
	8/2/19	<0.22	<0.61	<0.36	<0.25	<0.42	<0.37	<0.26	<0.28	<2.1	3.08	<0.33	<0.3	<1.2	<0.2	<0.71
	10/24/19	<0.22	<0.61	<0.36	<0.25	<0.42	<0.37	<0.26	<0.28	<2.1	4.60	<0.33	<0.3	<1.2	<0.2	<0.71
	5/12/20	<0.33	<1.1	<0.46	<0.39	<0.5	<0.39	<0.32	<0.47	<1.1	1.45	<0.3	<0.47	<0.62	<0.2	<1.48
	10/9/20	<0.33	<1.1	<0.46	<0.39	<0.5	<0.39	<0.32	<0.47	<1.1	1.59	<0.3	<0.47	<0.62	<0.2	<1.48
ES (ppb)	-	5	400	850	5	7	70	700	60	100	1,000	200	5	480	0.02	10,000
PAL (ppb)	-	0.5	80	85	0.5	0.7	7	140	12	10	200	40	0.5	96	0.2	1,000

Notes:

Concentrations that exceed their respective PALs are in *blue italics*.

Concentrations that exceed their respective ESs are in **red bold** type.

J Concentration detected slightly above LOD and likely attributable to sediment in sample or laboratory artifact

Table 2
Groundwater PAH & Metals Analytical Results
R&R Excavating Site - CDS
Cedarburg, Wisconsin

Test Description	QP-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	SW-1	MW-1	SW-1	MW-1	SW-1	MW-1	SW-1	MW-1	SW-1	MW-1	SW-1	MW-1	SW-1	MW-1	SW-1	MW-1	SW-1	MW-1	SW-1	MW-1	NR 140 PAL	NR 140 ES				
Sample Date	6/7/12	8/22/12	8/31/12	8/30/13	12/6/13	5/9/14	9/10/14	10/27/15	10/27/15	6/16/16	6/16/16	11/3/16	11/3/16	6/22/17	6/22/17	10/20/17	10/20/17	7/10/18	12/29/18	7/10/18	12/29/18	8/2/19	8/2/19	10/24/19	5/12/20	5/12/20	10/9/20	10/9/20					
PAHs (ug/kg)																																	
acenaphthene	<0.025	0.037J	<0.025	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	0.076	0.032J	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	0.0145 J	0.0136 J	0.0191 J	0.0148 J	0.244 J	.0236 J	<0.0094	0.284 J	-	-					
acenaphthylene	<0.019	0.019	<0.019	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.019	0.058J	<0.02	<0.019	<0.019	0.033J	<0.019	<0.019	<0.019	<0.019	<0.019	0.033	0.044	0.041 J	0.0298 J	0.087	0.061	<0.015	0.051	-	-			
anthracene	<0.018	0.022	<0.018	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.019	0.031J	<0.025	<0.025	<0.025	<0.017	<0.017	<0.019	<0.019	<0.019	<0.019	<0.015	<0.015	0.0179 J	<0.015	<0.015	<0.015	0.015	600	3,000				
benzo(a)anthracene	<0.024	0.026J	<0.024	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.017	0.031J	<0.025	<0.025	<0.025	<0.017	<0.017	<0.017	<0.017	<0.017	0.0174	0.0174 J	0.0296 J	<0.02	<0.02	<0.02	<0.02	-	-					
benzo(a)pyrene	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.019	0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.015	<0.015	<0.017	<0.0167	<0.0167	<0.0167	-	0.2					
benzo(b)fluoranthene	<0.02	0.022J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.019	0.019	<0.019	<0.019	<0.019	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.016	<0.016	0.0215 J	<0.016	<0.016	<0.016	0.02	0.2					
benzo(g,h)perylene	<0.019	0.021J	<0.019	<0.023	<0.023	<0.024	<0.024	<0.024	<0.024	<0.024	0.024	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0142	<0.0142	<0.0142	<0.0142	-	-					
benzo(k)fluoranthene	<0.022	<0.022	<0.022	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.016	0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.0146	<0.0146	<0.0146	<0.0146	-	-					
chrysene	<0.019	0.021J	<0.019	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	0.018J	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.017	<0.017	<0.0157	<0.0157	<0.0157	<0.0157	0.02	0.2					
dibenz(a,h)anthracene	<0.019	<0.019	<0.019	<0.023	<0.023	<0.023	<0.028	<0.028	<0.028	<0.028	0.028J	<0.028	<0.028	<0.028	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0173	<0.0173	<0.0173	<0.0173	-	-					
fluoranthene	<0.022	0.043J	<0.022	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.022	0.022	<0.022	<0.022	<0.022	0.021J	<0.017	0.021J	0.021J	0.021J	0.021J	0.021J	0.021J	<0.0173	<0.0173	<0.0173	<0.0173	-	-					
fluorene	<0.02	0.027J	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.022	0.022	<0.022	<0.022	<0.022	0.021J	<0.075	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.0079	0.0084 J	0.0241 J	0.0212 J	0.0081 J	0.0088	0.0198J	80	400		
indeno(1,2,3-cd)pyrene	<0.018	<0.018	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.023	0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.0121	<0.0121	<0.0121	<0.0121	-	-					
1-methylnaphthalene	<0.022	<0.022	<0.022	<0.019	<0.019	<0.019	<0.019	<0.019	<0.019	<0.021	0.021	<0.021	<0.021	<0.021	0.072	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.0191	<0.0191	<0.0191	<0.0191	-	-					
2-methylnaphthalene	<0.024	<0.024	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.024	0.024	<0.024	<0.024	<0.024	<0.024	0.024J	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.033J	<0.033J	0.034 J	0.031 J	0.04 J	0.045 J	0.031 J	0.024 J	0.038 J	-	-
naphthalene	<0.021	<0.021	<0.021	<0.023	<0.025	<0.025	0.033J	0.029J	0.020J	0.028J	0.037	<0.062J	<0.019	<0.043J	<0.019	<0.062J	<0.019	<0.079J	<0.019	<0.079J	<0.019	<0.049 J	0.048 J	0.054 J	0.091	0.053 J	0.035 J	0.049 J	0.054 J	10	100		
phenanthrene	<0.019	<0.019	<0.019	0.035J	<0.018	<0.018	0.018	<0.018	<0.018	0.023J	0.251	0.181	0.037J	0.037J	0.037J	0.038J	0.038J	0.038J	0.038J	0.038J	0.0219 J	0.0168 J	0.035 J	0.053	0.0176 J	0.0259 J	0.0039 J	0.0034 J	-	-			
pyrene	<0.02	0.036J	<0.02	<0.025	<0.025	<0.025	<0.025	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.0316J	<0.03	0.0316J	<0.03	0.0316J	<0.03	0.0316J	<0.0121	0.0171 J	<0.0121	<0.0121	<0.0121	<0.0121	0.015J	50	250			
Metals (ug/kg)																																	
arsenic	<0.25	0.61J	NA	<0.60	<0.6	<0.60	<0.6	<0.6	1.0J	<0.60	<0.6	<0.6	<0.6	<0.7	1.3J	0.8J	2.5	0.8J	2.5	0.8J	<6.4	1.1 J	1.3 J	<0.8	1.5	1.0J	1.4J	5	50				
barium	<0.36	63	NA	15.5	NA	18.3	NA	NA	NA	NA	16.7J	12.47J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.6	24.7	400	2,000				
cadmium	<0.16	0.22J	NA	<0.50	NA	<0.50	NA	NA	NA	<0.30	0.30	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.4	<0.4	NA	NA	0.5	5		
chromium	0.57	0.92J	NA	<2.60	NA	<2.60	NA	NA	NA	<1.80	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3.9	NA	NA	10	100			
lead	<0.24	1.7	NA	<0.70	<0.7	<0.70	<0.7	<0.7	<0.7	<0.80	NA	<0.80	<0.80	<0.8	<0.9	<0.9	<0.9	<0.9	<0.8	<0.8	<0.9	<0.9	<0.9	<0.9	<3.9	NA	NA	10	100				
mercury	0.02	<0.015	NA	<0.04	NA	<0.04	NA	NA	NA	<0.11	<0.11	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.1	<0.1	NA	NA	0.2	2			
selenium	<0.38	2.5	NA	<2.00	NA	<2.00	NA	NA	NA	<1.10	NA	<1.10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.2	<1.2	NA	NA	10	50		
silver	<0.31	<0.31	NA	<10.3	NA	<10.3	NA	NA	NA	<8.4	<8.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8.4	<8.4	NA	NA	10	50		

Notes:

1. ** = not analyzed or no standards have been established.

2. J Concentration detected slightly above LOD and likely attributable to sediment in sample .

3. Concentrations in **red bold** exceed their respective enforcement standards (ESs).

Table 3
Groundwater Elevation Measurements
R&R Excavating Site - CDS
Cedarburg, Wisconsin

Well Number	Date	*Total Well Depth	Ground Surface Elevation	Top of Casing Elevation	*Depth to Water Below Casing	Groundwater Elevation
MW-1	8/21/2012	90.00	832.30	835.50	70.21	765.29
	5/10/2013				66.87	768.63
	8/29/2013				69.82	765.68
	12/6/2013				66.87	768.63
	5/9/2014				67.41	768.09
	9/10/2014				65.40	770.10
	10/27/2015				59.57	775.93
	6/19/2016				52.22	783.28
	11/3/2016				48.80	786.70
	6/22/2017				39.93	795.57
	10/20/2017	100.00		845.50	38.11	807.39
	12/29/2018	90.00		835.50	22.22	813.28
	8/2/2019			NM	NM	
	10/24/2019			19.93	815.57	
	5/12/2020			13.44	822.57	
	10/9/2020			19.51	815.99	

Notes:

1. *Measured from the north rim of the top of well casing.
2. All measurements are presented in feet.
3. Elevations are referenced to monument benchmark SE 1/4 of the NE 1/4 corner of Section 22 T 10N R 21E which has an elevation of 833.26 feet.

Synergy Environmental Lab, INC

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

RICK FRIESEKE
FEC, INC.
6635 N. SIDNEY PLACE
MILWAUKEE, WI 53209

Report Date 26-May-20

Project Name R&R SITE
Project # 041013

Invoice # E37896

Lab Code 5037896A
Sample ID MW-1
Sample Matrix Water
Sample Date 5/12/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
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Inorganic

Metals

Arsenic, Dissolved	1.5	ug/L	0.8	2.7	1	7060A	5/15/2020	CWT	1
Barium, Dissolved	29.4	ug/L	1.7	5.5	1	200.7	5/20/2020	CWT	1
Cadmium, Dissolved	< 0.4	ug/L	0.4	1.3	1	200.7	5/20/2020	CWT	1
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7	5/20/2020	CWT	1
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421	5/19/2020	CWT	1
Mercury, Dissolved	< 0.1	ug/L	0.1	0.34	1	245.1	5/19/2020	CWT	1
Selenium, Dissolved	< 1.2	ug/L	1.2	4	1	7740	5/21/2020	CWT	1
Silver, Dissolved	< 8.4	ug/L	8.4	28	1	200.7	5/20/2020	CWT	1

Organic

PAH SIM

Acenaphthene	0.0236 "J"	ug/l	0.0094	0.03	1	M8270C	5/19/2020	5/19/2020	NJC	1
Acenaphthylene	0.061	ug/l	0.0156	0.0495	1	M8270C	5/19/2020	5/19/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	5/19/2020	5/19/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	5/19/2020	5/19/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	5/19/2020	5/19/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	5/19/2020	5/19/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	5/19/2020	5/19/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	5/19/2020	5/19/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	5/19/2020	5/19/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	5/19/2020	5/19/2020	NJC	1
Fluoranthene	0.0115 "J"	ug/l	0.0088	0.0281	1	M8270C	5/19/2020	5/19/2020	NJC	1
Fluorene	0.0207 "J"	ug/l	0.0079	0.0251	1	M8270C	5/19/2020	5/19/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	5/19/2020	5/19/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	5/19/2020	5/19/2020	NJC	1
2-Methyl naphthalene	0.031 "J"	ug/l	0.0186	0.059	1	M8270C	5/19/2020	5/19/2020	NJC	1

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Sample Matrix Water
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	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Naphthalene	0.035 "J"	ug/l	0.03	0.1	1	M8270C	5/19/2020	5/19/2020	NJC	1
Phenanthrene	0.0259 "J"	ug/l	0.0143	0.0456	1	M8270C	5/19/2020	5/19/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	5/19/2020	5/19/2020	NJC	1
VOC's										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		5/18/2020	CJR	1
Bromobenzene	< 0.26	ug/l	0.26	0.84	1	8260B		5/18/2020	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1	1	8260B		5/18/2020	CJR	1
Bromoform	< 0.65	ug/l	0.65	2.1	1	8260B		5/18/2020	CJR	1
tert-Butylbenzene	< 0.61	ug/l	0.61	1.9	1	8260B		5/18/2020	CJR	1
sec-Butylbenzene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
n-Butylbenzene	< 0.28	ug/l	0.28	0.89	1	8260B		5/18/2020	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		5/18/2020	CJR	1
Chlorobenzene	< 0.39	ug/l	0.39	1.2	1	8260B		5/18/2020	CJR	1
Chloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		5/18/2020	CJR	1
Chloroform	< 0.44	ug/l	0.44	1.4	1	8260B		5/18/2020	CJR	1
Chloromethane	< 0.8	ug/l	0.8	2.5	1	8260B		5/18/2020	CJR	1
2-Chlorotoluene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
4-Chlorotoluene	< 0.3	ug/l	0.3	0.96	1	8260B		5/18/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.82	ug/l	0.82	2.6	1	8260B		5/18/2020	CJR	1
Dibromochloromethane	< 0.23	ug/l	0.23	0.74	1	8260B		5/18/2020	CJR	1
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260B		5/18/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	0.98	1	8260B		5/18/2020	CJR	1
1,2-Dichlorobenzene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
Dichlorodifluoromethane	< 0.45	ug/l	0.45	1.4	1	8260B		5/18/2020	CJR	1
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.3	1	8260B		5/18/2020	CJR	1
1,1-Dichloroethane	< 0.46	ug/l	0.46	1.5	1	8260B		5/18/2020	CJR	1
1,1-Dichloroethene	< 0.5	ug/l	0.5	1.6	1	8260B		5/18/2020	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		5/18/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		5/18/2020	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	8260B		5/18/2020	CJR	1
1,3-Dichloropropane	< 0.35	ug/l	0.35	1.1	1	8260B		5/18/2020	CJR	1
trans-1,3-Dichloropropene	< 0.3	ug/l	0.3	0.94	1	8260B		5/18/2020	CJR	1
cis-1,3-Dichloropropene	< 0.36	ug/l	0.36	1.1	1	8260B		5/18/2020	CJR	1
Di-isopropyl ether	< 0.34	ug/l	0.34	1.1	1	8260B		5/18/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.24	ug/l	0.24	0.75	1	8260B		5/18/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.3	1	8260B		5/18/2020	CJR	1
Isopropylbenzene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.5	1	8260B		5/18/2020	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		5/18/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		5/18/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		5/18/2020	CJR	1
n-Propylbenzene	< 0.33	ug/l	0.33	1.1	1	8260B		5/18/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.37	ug/l	0.37	1.2	1	8260B		5/18/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	3.3	1	8260B		5/18/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		5/18/2020	CJR	1

Project Name R&R SITE

Invoice # E37896

Project # 041013

Lab Code 5037896A

Sample ID MW-1

Sample Matrix Water

Sample Date 5/12/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Toluene	1.45	ug/l	0.26	0.83	1	8260B		5/18/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.44	ug/l	0.44	1.4	1	8260B		5/18/2020	CJR	1
1,2,3-Trichlorobenzene	< 1	ug/l	1	3.2	1	8260B		5/18/2020	CJR	1
1,1,1-Trichloroethane	< 0.3	ug/l	0.3	0.95	1	8260B		5/18/2020	CJR	1
1,1,2-Trichloroethane	< 0.36	ug/l	0.36	1.1	1	8260B		5/18/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		5/18/2020	CJR	1
Trichlorofluoromethane	< 0.42	ug/l	0.42	1.3	1	8260B		5/18/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		5/18/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		5/18/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		5/18/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		5/18/2020	CJR	1
SUR - Dibromofluoromethane	107	REC %			1	8260B		5/18/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %			1	8260B		5/18/2020	CJR	1
SUR - 4-Bromofluorobenzene	112	REC %			1	8260B		5/18/2020	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		5/18/2020	CJR	1

Project Name R&R SITE

Invoice # E37896

Project # 041013

Lab Code 5037896B

Sample ID SW

Sample Matrix Water

Sample Date 5/12/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Arsenic, Dissolved	< 0.8	ug/L	0.8	2.7	1	7060A		5/15/2020	CWT	1
Barium, Dissolved	15.2	ug/L	1.7	5.5	1	200.7		5/20/2020	CWT	1
Cadmium, Dissolved	< 0.4	ug/L	0.4	1.3	1	200.7		5/20/2020	CWT	1
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		5/20/2020	CWT	1
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		5/19/2020	CWT	1
Mercury, Dissolved	< 0.1	ug/L	0.1	0.34	1	245.1		5/19/2020	CWT	1
Selenium, Dissolved	< 1.2	ug/L	1.2	4	1	7740		5/21/2020	CWT	1
Silver, Dissolved	< 8.4	ug/L	8.4	28	1	200.7		5/20/2020	CWT	1
Organic										
PAH SIM										
Acenaphthene	0.0244 "J"	ug/l	0.0094	0.03	1	M8270C	5/19/2020	5/19/2020	NJC	1
Acenaphthylene	0.087	ug/l	0.0156	0.0495	1	M8270C	5/19/2020	5/19/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	5/19/2020	5/19/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	5/19/2020	5/19/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	5/19/2020	5/19/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	5/19/2020	5/19/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	5/19/2020	5/19/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	5/19/2020	5/19/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	5/19/2020	5/19/2020	NJC	1
Dibeno(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	5/19/2020	5/19/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	5/19/2020	5/19/2020	NJC	1
Fluorene	0.0081 "J"	ug/l	0.0079	0.0251	1	M8270C	5/19/2020	5/19/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	5/19/2020	5/19/2020	NJC	1
1-Methyl naphthalene	0.0256 "J"	ug/l	0.0191	0.0609	1	M8270C	5/19/2020	5/19/2020	NJC	1
2-Methyl naphthalene	0.045 "J"	ug/l	0.0186	0.059	1	M8270C	5/19/2020	5/19/2020	NJC	1
Naphthalene	0.053 "J"	ug/l	0.03	0.1	1	M8270C	5/19/2020	5/19/2020	NJC	1
Phenanthrene	0.0176 "J"	ug/l	0.0143	0.0456	1	M8270C	5/19/2020	5/19/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	5/19/2020	5/19/2020	NJC	1
VOC's										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		5/18/2020	CJR	1
Bromobenzene	< 0.26	ug/l	0.26	0.84	1	8260B		5/18/2020	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1	1	8260B		5/18/2020	CJR	1
Bromoform	< 0.65	ug/l	0.65	2.1	1	8260B		5/18/2020	CJR	1
tert-Butylbenzene	< 0.61	ug/l	0.61	1.9	1	8260B		5/18/2020	CJR	1
sec-Butylbenzene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
n-Butylbenzene	< 0.28	ug/l	0.28	0.89	1	8260B		5/18/2020	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		5/18/2020	CJR	1
Chlorobenzene	< 0.39	ug/l	0.39	1.2	1	8260B		5/18/2020	CJR	1
Chloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		5/18/2020	CJR	1
Chloroform	< 0.44	ug/l	0.44	1.4	1	8260B		5/18/2020	CJR	1
Chloromethane	< 0.8	ug/l	0.8	2.5	1	8260B		5/18/2020	CJR	1
2-Chlorotoluene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
4-Chlorotoluene	< 0.3	ug/l	0.3	0.96	1	8260B		5/18/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.82	ug/l	0.82	2.6	1	8260B		5/18/2020	CJR	1

Project Name R&R SITE

Invoice # E37896

Project # 041013

Lab Code 5037896B

Sample ID SW

Sample Matrix Water

Sample Date 5/12/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Dibromochloromethane	< 0.23	ug/l	0.23	0.74	1	8260B		5/18/2020	CJR	1
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260B		5/18/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	0.98	1	8260B		5/18/2020	CJR	1
1,2-Dichlorobenzene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
Dichlorodifluoromethane	< 0.45	ug/l	0.45	1.4	1	8260B		5/18/2020	CJR	1
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.3	1	8260B		5/18/2020	CJR	1
1,1-Dichloroethane	< 0.46	ug/l	0.46	1.5	1	8260B		5/18/2020	CJR	1
1,1-Dichloroethene	< 0.5	ug/l	0.5	1.6	1	8260B		5/18/2020	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		5/18/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		5/18/2020	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	8260B		5/18/2020	CJR	1
1,3-Dichloropropane	< 0.35	ug/l	0.35	1.1	1	8260B		5/18/2020	CJR	1
trans-1,3-Dichloropropene	< 0.3	ug/l	0.3	0.94	1	8260B		5/18/2020	CJR	1
cis-1,3-Dichloropropene	< 0.36	ug/l	0.36	1.1	1	8260B		5/18/2020	CJR	1
Di-isopropyl ether	< 0.34	ug/l	0.34	1.1	1	8260B		5/18/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.24	ug/l	0.24	0.75	1	8260B		5/18/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.3	1	8260B		5/18/2020	CJR	1
Isopropylbenzene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.5	1	8260B		5/18/2020	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		5/18/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		5/18/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		5/18/2020	CJR	1
n-Propylbenzene	< 0.33	ug/l	0.33	1.1	1	8260B		5/18/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.37	ug/l	0.37	1.2	1	8260B		5/18/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	3.3	1	8260B		5/18/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		5/18/2020	CJR	1
Toluene	1.52	ug/l	0.26	0.83	1	8260B		5/18/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.44	ug/l	0.44	1.4	1	8260B		5/18/2020	CJR	1
1,2,3-Trichlorobenzene	< 1	ug/l	1	3.2	1	8260B		5/18/2020	CJR	1
1,1,1-Trichloroethane	< 0.3	ug/l	0.3	0.95	1	8260B		5/18/2020	CJR	1
1,1,2-Trichloroethane	< 0.36	ug/l	0.36	1.1	1	8260B		5/18/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		5/18/2020	CJR	1
Trichlorofluoromethane	< 0.42	ug/l	0.42	1.3	1	8260B		5/18/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		5/18/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		5/18/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		5/18/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		5/18/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		5/18/2020	CJR	1
SUR - Toluene-d8	100	REC %			1	8260B		5/18/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		5/18/2020	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %			1	8260B		5/18/2020	CJR	1
SUR - Dibromofluoromethane	105	REC %			1	8260B		5/18/2020	CJR	1

Project Name R&R SITE
Project # 041013

Invoice # E37896

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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



CHAIN OF STUDY RECORD

Synergy

Environmental Lab, Inc.

QUOTE #: 041013
 Project #: 920-830-2455 • mrsynergy@wi.twcbc.com
 Sampler: (signature)

Project (Name / Location): Rick Frieske R.R. Site

Reports To: Rick Frieske Invoice To:
 Company FEC

Address

City State Zip

Phone

Email r.frieske@fecinc.us

Collection Date Time Y/N

Filtered No. of Containers

Sample Type (Matrix)*

Preservation

Lab I.D. Sample I.D.

5-10-20 AM

5

water

(1L) (1L) (1L)

5-12-20 AM

5

Chain # No 40864

Page 1 of 1

Sample Handling Request

Rush Analysis Date Required:
 (Rushes accepted only with prior authorization)

X Normal Turn Around

www.synergy-lab.net

1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • mrsynergy@wi.twcbc.com

Analysis Requested

PCB	
NITRATE/NITRITE	
OIL & GREASE	
PAH (EPA 8270)	X
DRO (Mod DRO Sep 95)	
GRO (Mod GRO Sep 95)	
LEAD	
DRO (Mod DRO Sep 95)	
GRO (Mod GRO Sep 95)	
PCB	
SULFATE	
TOTAL SUSPENDED SOLIDS	
VOC DW (EPA 524.2)	
VOC DW (EPA 8260)	X
VOC AIR (TO - 15)	
8-RCRA METALS	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:	Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date	
Method of Shipment:	<i>Bulbuske</i>						
Temp. of Temp. Blank:	°C On Ice: X						
Cooler seal intact upon receipt:	Yes X No						
Received in Laboratory By <i>John R.</i>					Time 8:00	Date 5/4/20	

Synergy Environmental Lab, INC

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

RICK FRIESEKE
FEC, INC.
6635 N. SIDNEY PLACE
MILWAUKEE, WI 53209

Report Date 05-Nov-20

Project Name	R&R SITE								Invoice #	E38617
Project #	041013									
Lab Code	5038617A									
Sample ID	MW-1									
Sample Matrix	Water									
Sample Date	10/9/2020									
	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Arsenic, Dissolved	1.4 "J"	ug/L	0.8	2.7	1	7060A		10/15/2020	CWT	1
Barium, Dissolved	24.7	ug/L	1.7	5.5	1	200.7		10/15/2020	CWT	1
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/16/2020	CWT	1
Organic										
PAH SIM										
Acenaphthene	0.0284 "J"	ug/l	0.0094	0.03	1	M8270C	10/15/2020	10/16/2020	NJC	1
Acenaphthylene	0.051	ug/l	0.0156	0.0495	1	M8270C	10/15/2020	10/16/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	10/15/2020	10/16/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	10/15/2020	10/16/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	10/15/2020	10/16/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	10/15/2020	10/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	10/15/2020	10/16/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	10/15/2020	10/16/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	10/15/2020	10/16/2020	NJC	1
Dibenzo(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	10/15/2020	10/16/2020	NJC	1
Fluoranthene	0.0198 "J"	ug/l	0.0088	0.0281	1	M8270C	10/15/2020	10/16/2020	NJC	1
Fluorene	0.0141 "J"	ug/l	0.0079	0.0251	1	M8270C	10/15/2020	10/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	10/15/2020	10/16/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	10/15/2020	10/16/2020	NJC	1
2-Methyl naphthalene	0.038 "J"	ug/l	0.0186	0.059	1	M8270C	10/15/2020	10/16/2020	NJC	1
Naphthalene	0.054 "J"	ug/l	0.03	0.1	1	M8270C	10/15/2020	10/16/2020	NJC	1
Phenanthrene	0.034 "J"	ug/l	0.0143	0.0456	1	M8270C	10/15/2020	10/16/2020	NJC	1
Pyrene	0.015 "J"	ug/l	0.0121	0.0386	1	M8270C	10/15/2020	10/16/2020	NJC	1
VOC's										
Benzene	< 0.33	ug/l	0.33		1	8260B		10/16/2020	CJR	1

Project Name R&R SITE

Invoice # E38617

Project # 041013

Lab Code 5038617A

Sample ID MW-1

Sample Matrix Water

Sample Date 10/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Bromobenzene	< 0.26	ug/l	0.26	0.84	1	8260B		10/16/2020	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1	1	8260B		10/16/2020	CJR	1
Bromoform	< 0.65	ug/l	0.65	2.1	1	8260B		10/16/2020	CJR	1
tert-Butylbenzene	< 0.61	ug/l	0.61	1.9	1	8260B		10/16/2020	CJR	1
sec-Butylbenzene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
n-Butylbenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/16/2020	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2020	CJR	1
Chlorobenzene	< 0.39	ug/l	0.39	1.2	1	8260B		10/16/2020	CJR	1
Chloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		10/16/2020	CJR	1
Chloroform	< 0.44	ug/l	0.44	1.4	1	8260B		10/16/2020	CJR	1
Chloromethane	< 0.8	ug/l	0.8	2.5	1	8260B		10/16/2020	CJR	1
2-Chlorotoluene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
4-Chlorotoluene	< 0.3	ug/l	0.3	0.96	1	8260B		10/16/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.82	ug/l	0.82	2.6	1	8260B		10/16/2020	CJR	1
Dibromochloromethane	< 0.23	ug/l	0.23	0.74	1	8260B		10/16/2020	CJR	1
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260B		10/16/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2020	CJR	1
1,2-Dichlorobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
Dichlorodifluoromethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/16/2020	CJR	1
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.3	1	8260B		10/16/2020	CJR	1
1,1-Dichloroethane	< 0.46	ug/l	0.46	1.5	1	8260B		10/16/2020	CJR	1
1,1-Dichloroethene	< 0.5	ug/l	0.5	1.6	1	8260B		10/16/2020	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		10/16/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		10/16/2020	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	8260B		10/16/2020	CJR	1
1,3-Dichloropropane	< 0.35	ug/l	0.35	1.1	1	8260B		10/16/2020	CJR	1
trans-1,3-Dichloropropene	< 0.3	ug/l	0.3	0.94	1	8260B		10/16/2020	CJR	1
cis-1,3-Dichloropropene	< 0.36	ug/l	0.36	1.1	1	8260B		10/16/2020	CJR	1
Di-isopropyl ether	< 0.34	ug/l	0.34	1.1	1	8260B		10/16/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.24	ug/l	0.24	0.75	1	8260B		10/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.3	1	8260B		10/16/2020	CJR	1
Isopropylbenzene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.5	1	8260B		10/16/2020	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		10/16/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/16/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		10/16/2020	CJR	1
n-Propylbenzene	< 0.33	ug/l	0.33	1.1	1	8260B		10/16/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/16/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	3.3	1	8260B		10/16/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		10/16/2020	CJR	1
Toluene	1.59	ug/l	0.26	0.83	1	8260B		10/16/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.44	ug/l	0.44	1.4	1	8260B		10/16/2020	CJR	1
1,2,3-Trichlorobenzene	< 1	ug/l	1	3.2	1	8260B		10/16/2020	CJR	1
1,1,1-Trichloroethane	< 0.3	ug/l	0.3	0.95	1	8260B		10/16/2020	CJR	1
1,1,2-Trichloroethane	< 0.36	ug/l	0.36	1.1	1	8260B		10/16/2020	CJR	1

Project Name R&R SITE

Invoice # E38617

Project # 041013

Lab Code 5038617A

Sample ID MW-1

Sample Matrix Water

Sample Date 10/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/16/2020	CJR	1
Trichlorofluoromethane	< 0.42	ug/l	0.42	1.3	1	8260B		10/16/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/16/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		10/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		10/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		10/16/2020	CJR	1
SUR - Dibromofluoromethane	110	REC %			1	8260B		10/16/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		10/16/2020	CJR	1
SUR - 4-Bromofluorobenzene	112	REC %			1	8260B		10/16/2020	CJR	1
SUR - Toluene-d8	108	REC %			1	8260B		10/16/2020	CJR	1

Project Name R&R SITE

Invoice # E38617

Project # 041013

Lab Code 5038617B

Sample ID SW

Sample Matrix Water

Sample Date 10/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Arsenic, Dissolved										
Arsenic, Dissolved	1.0 "J"	ug/L	0.8	2.7	1	7060A		10/15/2020	CWT	1
Barium, Dissolved	35.6	ug/L	1.7	5.5	1	200.7		10/15/2020	CWT	1
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/16/2020	CWT	1
Organic										
PAH SIM										
Acenaphthene										
Acenaphthene	< 0.0094	ug/l	0.0094	0.03	1	M8270C	10/15/2020	10/16/2020	NJC	1
Acenaphthylene	< 0.0156	ug/l	0.0156	0.0495	1	M8270C	10/15/2020	10/16/2020	NJC	1
Anthracene	< 0.015	ug/l	0.015	0.0478	1	M8270C	10/15/2020	10/16/2020	NJC	1
Benzo(a)anthracene	< 0.02	ug/l	0.02	0.067	1	M8270C	10/15/2020	10/16/2020	NJC	1
Benzo(a)pyrene	< 0.0167	ug/l	0.0167	0.0531	1	M8270C	10/15/2020	10/16/2020	NJC	1
Benzo(b)fluoranthene	< 0.016	ug/l	0.016	0.0509	1	M8270C	10/15/2020	10/16/2020	NJC	1
Benzo(g,h,i)perylene	< 0.0142	ug/l	0.0142	0.0451	1	M8270C	10/15/2020	10/16/2020	NJC	1
Benzo(k)fluoranthene	< 0.0146	ug/l	0.0146	0.0463	1	M8270C	10/15/2020	10/16/2020	NJC	1
Chrysene	< 0.0157	ug/l	0.0157	0.0499	1	M8270C	10/15/2020	10/16/2020	NJC	1
Dibenz(a,h)anthracene	< 0.0173	ug/l	0.0173	0.0549	1	M8270C	10/15/2020	10/16/2020	NJC	1
Fluoranthene	< 0.0088	ug/l	0.0088	0.0281	1	M8270C	10/15/2020	10/16/2020	NJC	1
Fluorene	0.0103 "J"	ug/l	0.0079	0.0251	1	M8270C	10/15/2020	10/16/2020	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0121	ug/l	0.0121	0.0385	1	M8270C	10/15/2020	10/16/2020	NJC	1
1-Methyl naphthalene	< 0.0191	ug/l	0.0191	0.0609	1	M8270C	10/15/2020	10/16/2020	NJC	1
2-Methyl naphthalene	0.0237 "J"	ug/l	0.0186	0.059	1	M8270C	10/15/2020	10/16/2020	NJC	1
Naphthalene	0.049 "J"	ug/l	0.03	0.1	1	M8270C	10/15/2020	10/16/2020	NJC	1
Phenanthrene	0.039 "J"	ug/l	0.0143	0.0456	1	M8270C	10/15/2020	10/16/2020	NJC	1
Pyrene	< 0.0121	ug/l	0.0121	0.0386	1	M8270C	10/15/2020	10/16/2020	NJC	1
VOC's										
Benzene										
Benzene	< 0.33	ug/l	0.33	1	1	8260B		10/16/2020	CJR	1
Bromobenzene	< 0.26	ug/l	0.26	0.84	1	8260B		10/16/2020	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1	1	8260B		10/16/2020	CJR	1
Bromoform	< 0.65	ug/l	0.65	2.1	1	8260B		10/16/2020	CJR	1
tert-Butylbenzene	< 0.61	ug/l	0.61	1.9	1	8260B		10/16/2020	CJR	1
sec-Butylbenzene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
n-Butylbenzene	< 0.28	ug/l	0.28	0.89	1	8260B		10/16/2020	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2020	CJR	1
Chlorobenzene	< 0.39	ug/l	0.39	1.2	1	8260B		10/16/2020	CJR	1
Chloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		10/16/2020	CJR	1
Chloroform	< 0.44	ug/l	0.44	1.4	1	8260B		10/16/2020	CJR	1
Chloromethane	< 0.8	ug/l	0.8	2.5	1	8260B		10/16/2020	CJR	1
2-Chlorotoluene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
4-Chlorotoluene	< 0.3	ug/l	0.3	0.96	1	8260B		10/16/2020	CJR	1
1,2-Dibromo-3-chloropropane	< 0.82	ug/l	0.82	2.6	1	8260B		10/16/2020	CJR	1
Dibromochloromethane	< 0.23	ug/l	0.23	0.74	1	8260B		10/16/2020	CJR	1
1,4-Dichlorobenzene	< 0.36	ug/l	0.36	1.1	1	8260B		10/16/2020	CJR	1
1,3-Dichlorobenzene	< 0.31	ug/l	0.31	0.98	1	8260B		10/16/2020	CJR	1
1,2-Dichlorobenzene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
Dichlorodifluoromethane	< 0.45	ug/l	0.45	1.4	1	8260B		10/16/2020	CJR	1

Project Name R&R SITE

Invoice # E38617

Project # 041013

Lab Code 5038617B

Sample ID SW

Sample Matrix Water

Sample Date 10/9/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloroethane	< 0.39	ug/l	0.39	1.3	1	8260B		10/16/2020	CJR	1
1,1-Dichloroethane	< 0.46	ug/l	0.46	1.5	1	8260B		10/16/2020	CJR	1
1,1-Dichloroethene	< 0.5	ug/l	0.5	1.6	1	8260B		10/16/2020	CJR	1
cis-1,2-Dichloroethene	< 0.39	ug/l	0.39	1.2	1	8260B		10/16/2020	CJR	1
trans-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.2	1	8260B		10/16/2020	CJR	1
1,2-Dichloropropane	< 0.38	ug/l	0.38	1.2	1	8260B		10/16/2020	CJR	1
1,3-Dichloropropane	< 0.35	ug/l	0.35	1.1	1	8260B		10/16/2020	CJR	1
trans-1,3-Dichloropropene	< 0.3	ug/l	0.3	0.94	1	8260B		10/16/2020	CJR	1
cis-1,3-Dichloropropene	< 0.36	ug/l	0.36	1.1	1	8260B		10/16/2020	CJR	1
Di-isopropyl ether	< 0.34	ug/l	0.34	1.1	1	8260B		10/16/2020	CJR	1
EDB (1,2-Dibromoethane)	< 0.24	ug/l	0.24	0.75	1	8260B		10/16/2020	CJR	1
Ethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
Hexachlorobutadiene	< 0.72	ug/l	0.72	2.3	1	8260B		10/16/2020	CJR	1
Isopropylbenzene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
p-Isopropyltoluene	< 0.47	ug/l	0.47	1.5	1	8260B		10/16/2020	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		10/16/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/16/2020	CJR	1
Naphthalene	< 1.1	ug/l	1.1	3.6	1	8260B		10/16/2020	CJR	1
n-Propylbenzene	< 0.33	ug/l	0.33	1.1	1	8260B		10/16/2020	CJR	1
1,1,2,2-Tetrachloroethane	< 0.37	ug/l	0.37	1.2	1	8260B		10/16/2020	CJR	1
1,1,1,2-Tetrachloroethane	< 0.88	ug/l	0.88	3.3	1	8260B		10/16/2020	CJR	1
Tetrachloroethene	< 0.33	ug/l	0.33	1	1	8260B		10/16/2020	CJR	1
Toluene	1.31	ug/l	0.26	0.83	1	8260B		10/16/2020	CJR	1
1,2,4-Trichlorobenzene	< 0.44	ug/l	0.44	1.4	1	8260B		10/16/2020	CJR	1
1,2,3-Trichlorobenzene	< 1	ug/l	1	3.2	1	8260B		10/16/2020	CJR	1
1,1,1-Trichloroethane	< 0.3	ug/l	0.3	0.95	1	8260B		10/16/2020	CJR	1
1,1,2-Trichloroethane	< 0.36	ug/l	0.36	1.1	1	8260B		10/16/2020	CJR	1
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		10/16/2020	CJR	1
Trichlorofluoromethane	< 0.42	ug/l	0.42	1.3	1	8260B		10/16/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.3	ug/l	0.3	0.96	1	8260B		10/16/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.32	ug/l	0.32	1	1	8260B		10/16/2020	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		10/16/2020	CJR	1
m&p-Xylene	< 1.1	ug/l	1.1	3.3	1	8260B		10/16/2020	CJR	1
o-Xylene	< 0.38	ug/l	0.38	1.2	1	8260B		10/16/2020	CJR	1
SUR - Toluene-d8	108	REC %			1	8260B		10/16/2020	CJR	1
SUR - 1,2-Dichloroethane-d4	104	REC %			1	8260B		10/16/2020	CJR	1
SUR - 4-Bromofluorobenzene	110	REC %			1	8260B		10/16/2020	CJR	1
SUR - Dibromofluoromethane	104	REC %			1	8260B		10/16/2020	CJR	1

Project Name R&R SITE
Project # 041013

Invoice # E38617

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code **Comment**

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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



CHAIN OF STUDY RECORD

Synergy

Lab I.D. #	041013
QUOTE #:	BRF
Project #:	
Sampler: (signature)	

Environmental Lab, Inc.

www.synergy-lab.net
1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • mrsnynergy@wi.twcbc.com

Project Name / Location: R.R. Site

Reports To: Rick Frieske

Company: FEC

Address:

City State Zip:

Phone:

Email: r.frieske@fecinc.us

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

Analysis Requested	
X	Arsenic, Lead, Barium
	8-CRCA METALS
	VOC AIR (TO - 15)
X	VOC (EPA 8260)
	VOC DW (EPA 524.2)
	TOTAL SUSPENDED SOLIDS
	SULFATE
	PVOCl + NAPHTHALENE
	PVOCl (EPA 8021)
	PCB
X	PAH (EPA 8270)
	OIL & GREASE
	NITRATE/NITRITE
	LEAD
	GRO (Mod DRO Sep 95)
	DRO (Mod DRO Sep 95)

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.	Relinquished By: (sign) <i>Rick Frieske</i>	Time	Date	Received By: (sign)	Time	Date
Method of Shipment:						
Temp. of Temp. Blank:		°C On Ice:				
Cooler seal intact upon receipt:	X	Yes	No			

Time: 8:00 Date: 10/13/20

Received in Laboratory By: *[Signature]*