SOIL AND GROUNDWATER INVESTIGATION/REMEDIATION REPORT RATH PROPERTY (BRRTS 03-22-563937) 1304 SAINT ROSE ROAD CUBA CITY, WISCONSIN 53807

PREPARED FOR:

JANET DIMAGGIO
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
3911 FISH HATCHERY ROAD
FITCHBURG, WISCONSIN 53711

RICH RATH/RISU LLC
303 SOUTH JACKSON STREET
CUBA CITY, WISCONSIN 53807

MARCH 2020

SEYMOUR ENVIRONMENTAL SERVICES, INC.

P.O. Box 398, 2531 Dyreson Road, McFarland, Wisconsin 53558

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1.0 INTRODUCTION

An initial soil investigation with a Geoprobe™ was conducted at the RISU LLC property (Figure 1). The objective of this phase of the work was to characterize the levels and extent of the soil contamination that was identified during tank closure sampling. Additionally, the depth distribution of the contamination was evaluated to determine whether investigation of the groundwater would be required.

During the assessment soil contamination exceeding WDNR standards was identified in soils beneath the former USTs. The contaminated soil extended from approximately 6 feet to 10 feet below grade where bedrock is encountered. The accessible soil contamination at the site was be removed since it represented a potential long-term threat to the surrounding private water-supply wells.

Petroleum-contaminated soils were removed at the site in October 2019. Excavation sidewall sampling conducted by Seymour Environmental Services, Inc. (Seymour) shows that we removed the accessible contaminated soil; the only residual soil contamination is located along/beneath the south side of the building. Three monitoring wells were installed in January 2020 and sampled on February 24, 2020. The monitoring wells were installed at the site to evaluate whether the release had adversely affected groundwater quality. The initial groundwater monitoring shows limited groundwater impact and no analytes were detected in the groundwater above NR140 PALs. It appears that the site may be closed with a GIS-registry for the residual soil contamination after completion of another round of groundwater monitoring.

1.1 Site and Consultant Information

Site Location: RISU LLC
1304 Saint Rose Road
Cuba City, Wisconsin 53807
Grant County – Town of Smelser
SE ¼ SE ¼ Section 21, Township 02 North, Range 01 West
WTM: X-480214, Y-239217 (parcel center)

Owner: Mr. Rich Rath
303 South Jackson Street
Cuba City, Wisconsin 53807

Consultant: Seymour Environmental Services, Inc.
2531 Dyreson Road
McFarland, Wisconsin 53558
Contact: Robyn Seymour (608) 838-9120

Geoprobe/Driller: Badger State Drilling
360 Business Park Circle
Stoughton, Wisconsin 53589
Contact: Mark Garwick (608) 877-9770

Laboratory: Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, Wisconsin 54302
Contact: Dan Milewsky (920) 469-2436

Excavator: Wiederholt Enterprises
30111 Roaster Road
Cuba City, Wisconsin 53807
Contact: Tim Wiederholt (608) 744-2868

Landfill Advanced Disposal-Orchard Hills Landfill
8290 S IL Route 251
Davis Junction, Illinois 61020
Contact: Matt Stuttle (815) 516-0462

1.2 Description of Surrounding Area

The site is a former general store located at the intersection of Saint Rose Road and County Road D in Grant County. The subject parcel (PN: 054-00540-000) is less than 1 acre in size and is owned by RISU LLC. Properties in the area are rural properties and mostly homes; a farm is located east of the site across County Highway D. Water at the site is provided by a private well which is located slightly to the northwest of the building at the property.

1.3 Site History and Usage

The property has been owned by RISU LLC since 2009. A single building is present which was the former general store (Figure 2). Three underground storage tanks (UST) were present near the southeast corner of the property for petroleum resale. Figure 2 is a site layout map that shows the location of the tanks and building.

1.4 Summary Previous Environmental Activities

In September of 2010 Seymour collected a sample from the water supply well at the site. The sample was analyzed for PVOCs+naphthalene. No compounds were detected.

Richard Rath had the three 500-gallon leaded gasoline USTs removed from the site in 2014. A tank closure assessment was conducted by Jon Heller, the tank remover. A single soil sample was collected below each of the USTs and analyzed for PVOCs+naphthalene. Contamination exceeding WDNR RCLs was detected in the soil sample from beneath one of the two tanks on the south side of the building and the soil beneath the tank on the east side of the building (Table 1). Mr. Heller reportedly attempted to dig deep enough to find clean soil samples but was not able to do so. The samples indicated that a release had occurred, and the site was reported to the WDNR. in July of 2015.

1.5 Geologic Setting

Topography

Cuba City is located in the driftless area of southwestern Wisconsin. This area is characterized by rugged steep-walled valleys and high relief. Drainage patterns are typically dendritic where streams that have cut deeply into the flat bedrock. The surface elevation at the site is ~990 ft msl. The ground surface generally slopes toward the northeast. Surface water at the site drains to the east and into the roadside ditches located along County Highway D.

Soil and Geology

Soils at the site are mapped as Tama Silt Loam. These soils are characterized as silty clays, which develop from the weathering of the carbonate bedrock. Soil encountered during drilling at the site was generally clay with slight silt. Bedrock at the site is present around 10 feet below grade. Bedrock underlying the site is the Decorah-Platteville Formation. This formation is a thinly bedded carbonate.

The water table is typically present within Decorah-Platteville Formation at a depth of 65-75 feet below grade. The Decorah-Platteville carbonates are modest producers of groundwater.

2.0 INITIAL INVESTIGATION ACTIVITIES

2.1 Soil Sampling

Seymour and Badger State Drilling met at the site on June 7, 2019 to conduct the soil sampling. During the work seven borings were installed at the site. Refusal was encountered from ~9 to 15 feet below the surface. Based on local water-supply well logs we believe that the refusal encountered was at the top of bedrock. The boring locations are shown on Figure 3.

During drilling soil samples were collected continuously through the sample column. Soil samples were described in the field. Additionally, soil samples were field screened for organic vapors using a photoionization detector equipped with a 10.6 eV lamp. Based on field observations and organic vapor screening soil samples were selected for laboratory analysis. Those samples were sent to Pace Analytical, a WDNR-certified laboratory, to be analyzed for PVOC+naphthalene. Additionally, select samples were analyzed for lead, DRO, and GRO. Soil analytical data is summarized in Table 2 and boring logs and laboratory report are included in the Appendices. Information from each of the seven borings is discussed below.

The first boring, B-1, was installed at the location of the former underground gasoline tanks (UST) south of the building (Tank 2). Soil sampling was conducted until refusal was encountered at 9 feet below the surface. Based on local geology we believe that refusal occurred at bedrock. Soils at the boring were comprised of sandy fill to a depth of ~7 feet. Stained soil with a hydrocarbon odor was encountered at around 8 feet. The analytical results show that compounds are present in both the 7 and 9 foot sample.

The next boring (B-2) was installed at the location of a former UST located on the east side of the building (tank 3). Stained soil with a hydrocarbon odor was present starting around 8 feet but dissipated by 12 feet. The boring extended to a total depth of 15’4”. Unfortunately, no soil was recovered in the sample interval from 12 to 15.3 feet. The analytical results indicate that the contamination is shallow and does not extend to bedrock at this location.

Two more borings were installed near the eastern tank. Boring B-3 was installed as a step out boring to the southeast and past an underground utility line. No evidence of contamination was found at this location. Boring B-4 was to the north. Again, no evidence of petroleum was noted, and the analytical results confirm this.

Additional borings were then installed near the southern tank bed. Borings B-5 and B-6 were installed to the south of B-1 and tank 2 where soil contamination had been noted previously. Contamination exceeding the RCLs was noted in the soil at B-5 which is located about 6 feet south of the former UST. No soil contamination was noted at B-6 which is ~14 feet south of the former tank. Boring B-7 was installed to the west of the southern tank bed. No soil contamination was noted at B-7. The data from the borings around the south tank bed indicate that the soil contamination is limited to soils within about 10 feet of the former tank. This contaminated soil extended from approximately 6 feet below grade to bedrock at a depth of ~10 feet.

2.2 Private Well Sampling

Water samples were collected from the water-supply located to the northwest of the building on two occasions, once in 2010 and again in June 2019. The sample from 2010 was analyzed for PVOCs+naphthalene and the sample from 2019 was analyzed for VOCs. No compounds were detected during either sampling event. Results of the water-supply sampling are summarized in Table 3.

3.0 SOIL REMEDIATION

Seymour and Wiederholt Enterprises met at the site on October 21, 2019 to begin excavation of the identified soil contamination. The excavation work was started on the west side of the identified contamination. Soils were excavated to a depth of between 8 and 10 feet where bedrock was encountered. Along the western portion of the excavation shallow soils showed no evidence of petroleum contamination except for the sample collected along the building foundation. The clean overburden soils were stockpiled along the road. The ~200 tons of overburden soils ultimately were used for backfill.

After the western edge of the soil contamination was removed the excavation was taken around the corner to the north side of the contamination identified in during the Geoprobe™ investigation. Generally, the top of the soil contamination was around 7 feet or deeper. It was shallowest at the location of the former tanks. At the former tank bed soil contamination was encountered at a depth of approximately 4 feet. The soil around the corner of the building did not seem to show signs of contamination and removing the soil would have undermined the fieldstone foundation so the soil was left in place. We did not collect samples since the excavation was caving a bit.

Ten soil samples were collected along the margins of the remedial excavation. The samples were collected from the excavation sidewalls just above the bedrock at depth ranging from 8 to 10 feet below grade. No base samples were collected since the excavation extended to bedrock. The soil samples were analyzed for PVOCs+naphthalene. No analytes were present above the limit of quantitation in eight of the ten samples. Petroleum-related compounds were identified in two samples (#8 and #9). Both samples were collected from the southern excavation along Saint Rose Road. Low levels of trimethylbenzenes and naphthalene were present in the sample collected along the west wall of that excavation (#8). The contaminant levels present in sample #8 were below WDNR RCLs. Trimethylbenzenes were present above the groundwater pathway RCLs in the sample collected along the north sidewall of the south excavation (#9). Additional excavation in this area was limited by the building. Soil sampling locations are shown on Figure 4 and analytical data from the remedial excavation is compiled in Table 4. Laboratory reports are included in Attachment A.

A total of 312.02 tons of contaminated soil was remove and hauled to Orchard Hills Landfill in Davis Junction, Illinois. The entire volume of contaminated soil without any structural impediments was removed. Soil contamination remains along the south side of the building where excavation activities were limited. The residual soil contamination is present on top of the bedrock ~11 feet below grade. The residual soil contamination does not represent a significant vapor intrusion threat because of the depth and modest concentration of the contaminants. Disposal documentation is included in Appendix C.

4.0 GROUNDWATER MONITORING

Between January 22-24, 2020 three water table monitoring wells were installed at the site. Two of the wells (MW-2 and MW-3) were installed in the area where contamination had been identified historically. The third well (MW-1) was installed to the northwest of the building between the source area and the water-supply well in the suspected direction of groundwater flow. Well locations are shown on Figure 5.

The wells were installed using a combination of hollow-stem augering and air rotary methods. Hollow stem augers were used to advance each boring to bedrock which was encountered from 8.5 to 10 feet below grade. The augers were left in place to act as a conductor pipe and the remaining borehole interval was advanced using air hammer equipped with a button bit. Since the extent of soil contamination had been determined previously no soil samples were collected during the drilling. To characterize the bedrock at the site cutting samples were collected periodically and described in the field. Additionally, the drilling rates were monitored and recorded to evaluate the competency/integrity of the bedrock.

Bedrock at the site encountered during the drilling was comprised of limestone. The bedrock competency was fairly consistent with drilling rates of 12 minutes per 5 foot run 2.5 minutes per foot. The initial well boring (MW-1) was advanced to a depth of 58.5 feet and allowed to stand to see where the initial groundwater would stabilize. Evidence of groundwater was noted shallower than expected, the water supply wells show water at 70 feet.

Monitoring wells were developed and surveyed on February 24, 2020. Well development was started at MW-3. That well was developed by surging and pumping. Because the well did not produce much water the other two wells were developed by alternatively surging and bailing. Generally, the wells went dry after removal of 4 to 5 gallons of water. The wells were allowed to recover and then purged 4 times.

On February 24, 2020 the first round of groundwater monitoring was conducted at the site. Groundwater monitoring consisted of water level measurement, and groundwater sample collection. Groundwater samples from the monitoring wells were analyzed for VOCs and PAHs. Additionally, a groundwater sample was collected from the water-supply well located at the property and analyzed for VOCs.

Water level data from the February 2020 monitoring show that the water table at the site is present at a depth of ~32 feet below grade. Groundwater elevation data from the wells was contoured to construct a water table map (Figure 5). The contour map indicates that groundwater flow at the site generally is toward the northwest. This is consistent with our anticipated flow direction based on the topography and surface water drainage features in the area. The horizontal hydraulic gradient measured during the February monitoring was 0.0224 ft/ft. Groundwater level data collected during the monitoring is included on Table 2.

Analysis of the groundwater samples from the monitoring wells shows that no significant petroleum-related contamination is present in the area of the former tank system. None of the samples from the three monitoring wells contained VOCs or PAHs above the NR140 Preventative Action Limit (PALs). Only two analytes were detected in the groundwater samples from the monitoring wells, toluene and naphthalene. Toluene was detected at 0.95 ug/l in the sample from the source area well east of the building (MW-3). Naphthalene was detected at 0.024 ug/l in the groundwater at MW-1 which is located downgradient (northwest) from the release area. Groundwater analytical data is summarized in Table 4.

The water sample collected from the water-supply well at the site in February 2020 did not contain any VOCs above the laboratory detection limits. This is the third time a sample was collected from the well. No petroleum related VOCs have been detected in any of the water samples. Water supply analytical data is compiled in Table 5.

5.0 DISCUSSION OF RESULTS

Petroleum related compounds were present in soil samples from three of the six borings at concentrations that exceed WDNR groundwater pathway RCLs. In the source area (former UST bed) soil exceeding groundwater pathway RCLs extended to the bedrock surface. We removed all of the accessible contaminated soil. The groundwater is not impacted.

6.0 RECOMMENDATIONS

The accessible contaminated soil was excavated and disposed of at a landfill. Post-remedial groundwater monitoring shows limited impacts to the groundwater quality at the site. No compounds were identified exceeding NR140 groundwater quality standards in the groundwater samples from the monitoring wells. Additionally, water samples collected from the water supply well at the property show no impact from the petroleum release.

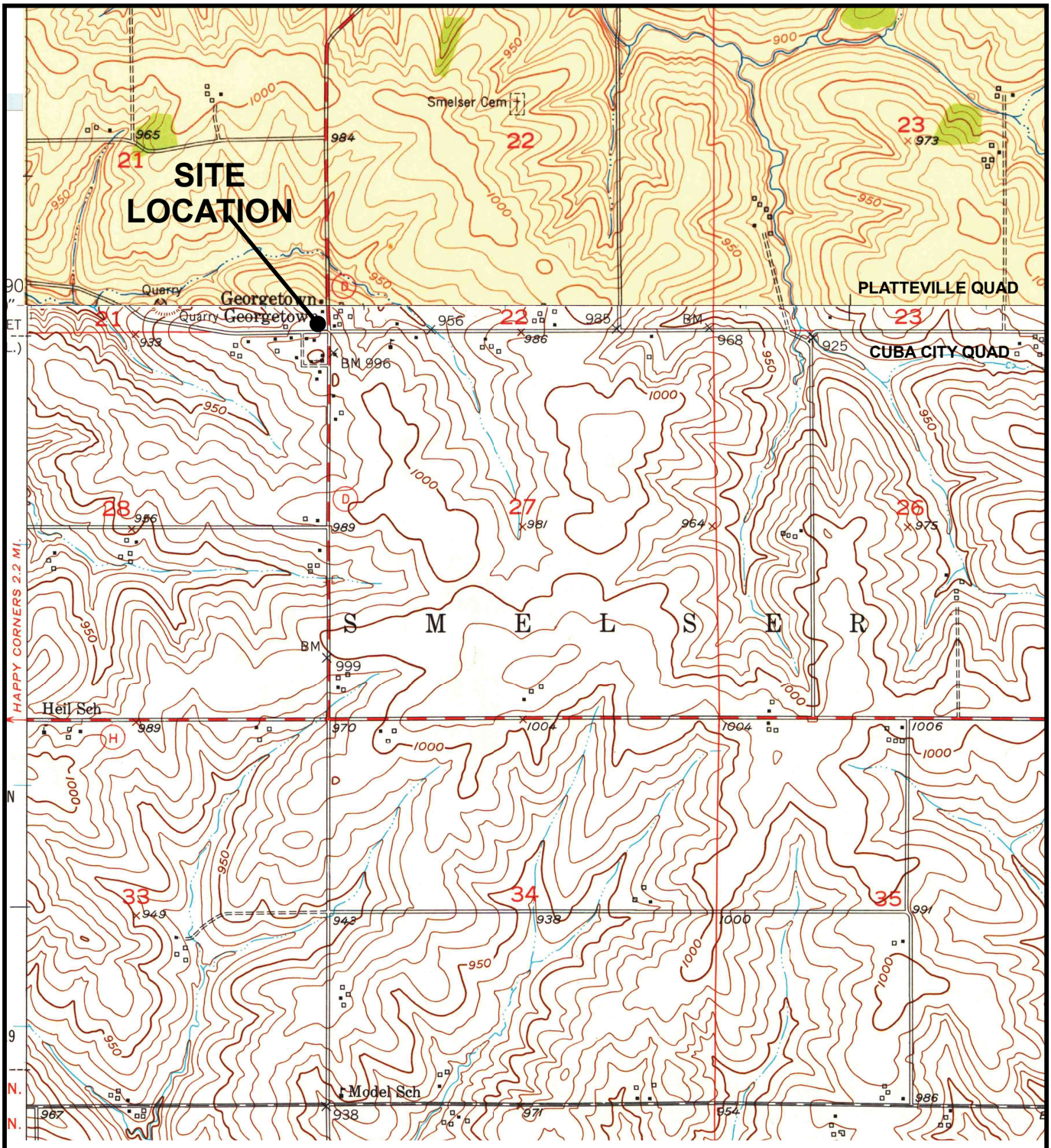
Data collected at the site indicate that the site may be closed with a GIS for residual soil contamination. A second round of groundwater monitoring should be conducted, and the well reconnaissance will be completed during the next site visit. Questions should be directed to Robyn Seymour or Mark Fryman at (608) 838-9120.

Sincerely,
Seymour Environmental Services, Inc.

Robyn Seymour

Robyn Seymour

FIGURES



0 2000' 4000'

1 INCH = 2000 FEET
SCALE IS APPROXIMATE

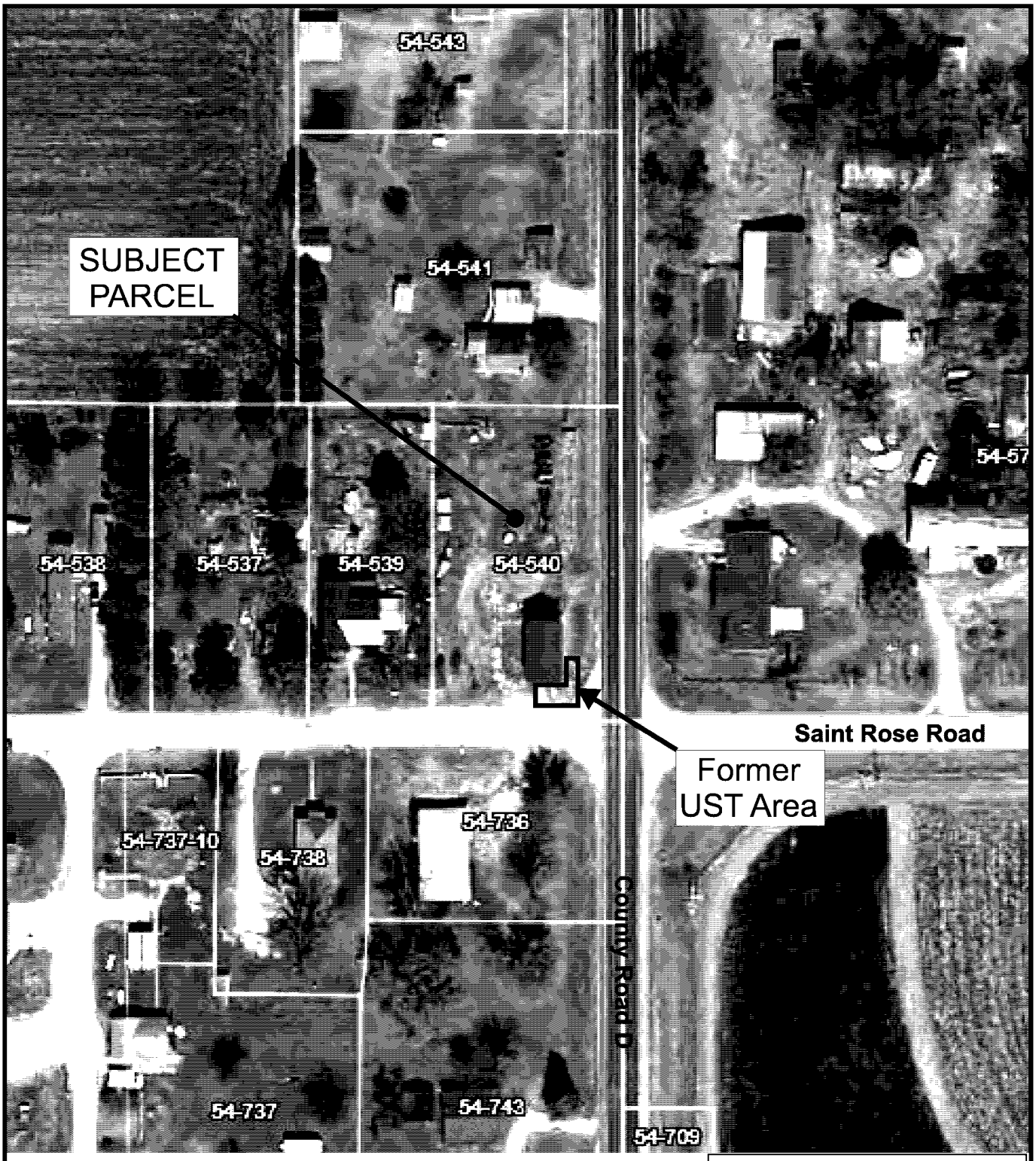
N

FILE/PATH: D:\PROJECTS\RATH\LocationUSGS-Rath.cdr
DATE: 07/23/2019
PREPARED: MDF APPROVED:
SOURCE:
USGS 7.5 Quadrangle Minute Series - Platteville, WI (1952)
USGS 7.5 Quadrangle Minute Series - Cuba City, WI (1952)

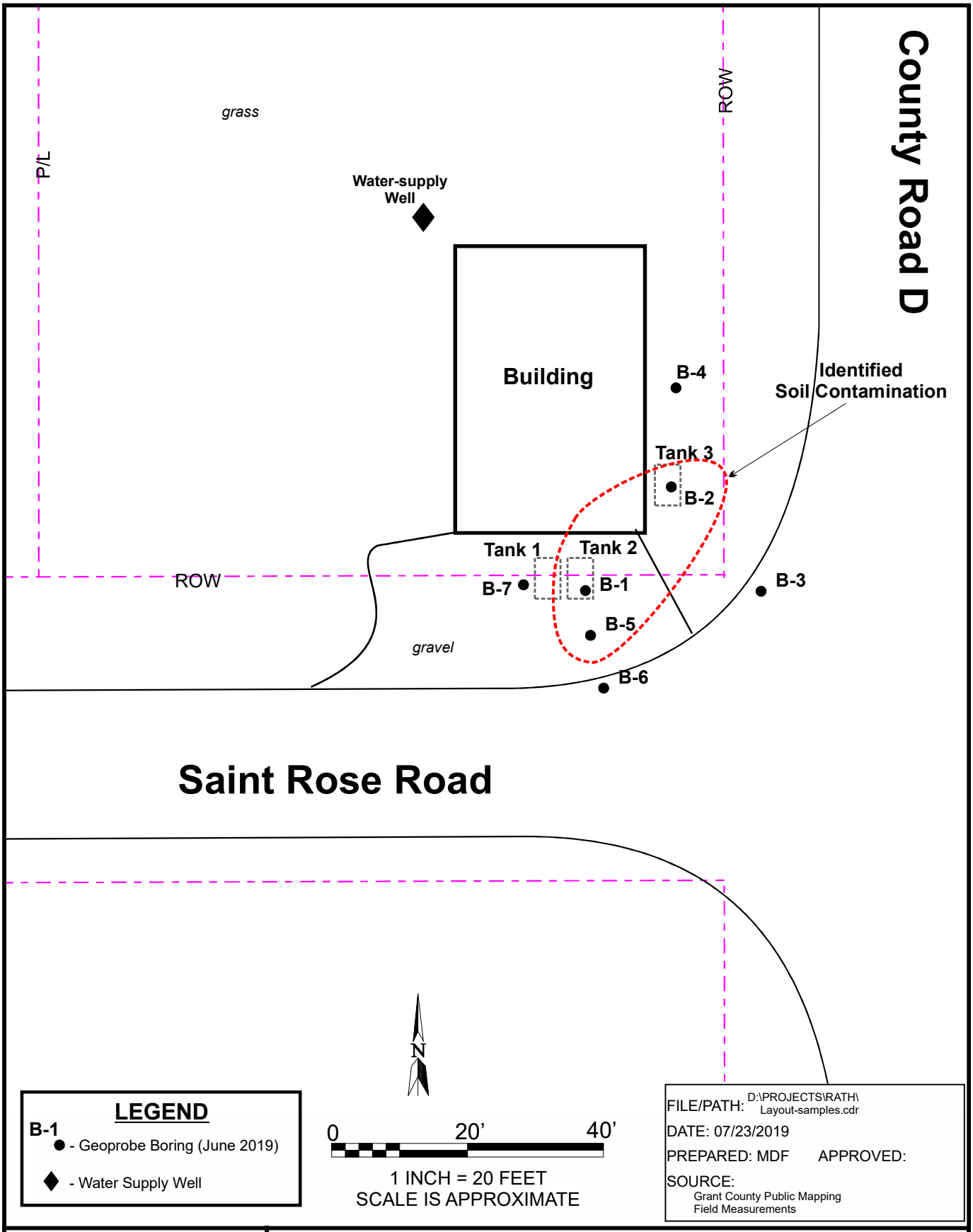
SEYMOUR ENVIRONMENTAL SERVICES, INC.

SITE LOCATION
RATH PROPERTY
1304 Saint Rose Road
Cuba City, Wisconsin

FIGURE
1



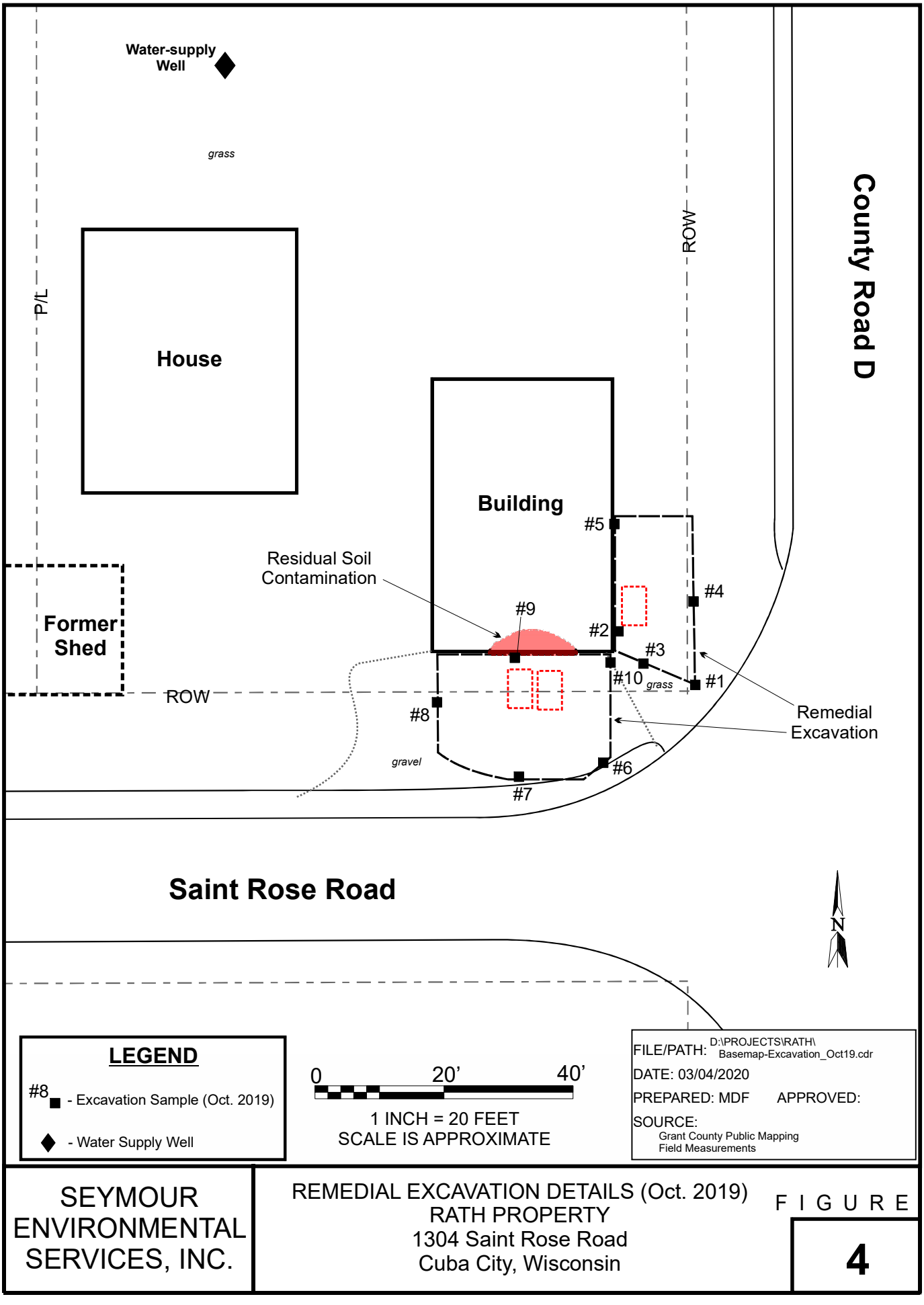
SEYMOUR ENVIRONMENTAL SERVICES, INC.	SITE LAYOUT RATH PROPERTY 1304 Saint Rose Road Cuba City, Wisconsin	FIGURE 2



SEYMOUR ENVIRONMENTAL SERVICES, INC.

SITE LAYOUT / SAMPLING LOCATIONS
RATH PROPERTY
1304 Saint Rose Road
Cuba City, Wisconsin

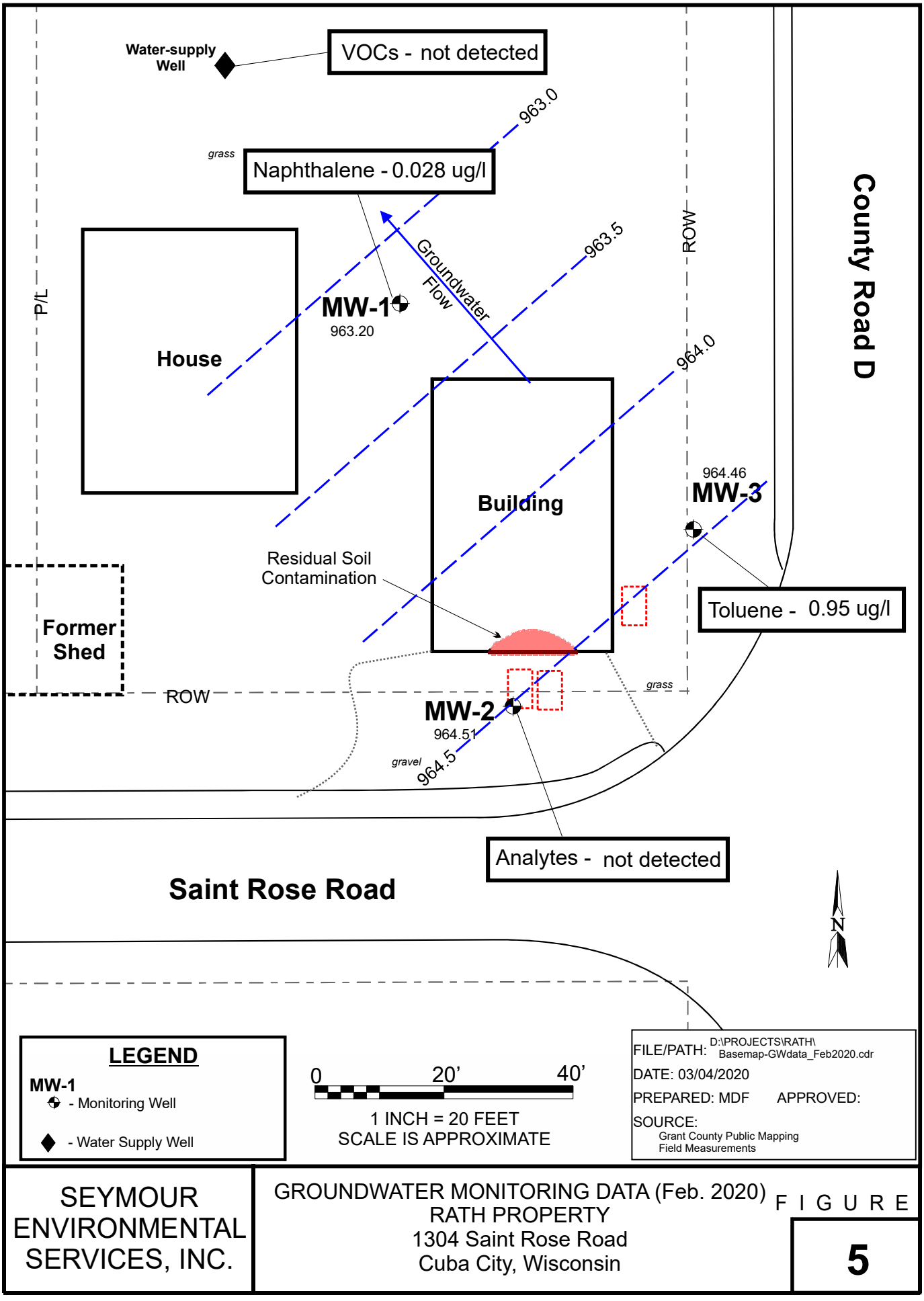
FIGURE 3



SEYMOUR ENVIRONMENTAL SERVICES, INC.

REMEDIAL EXCAVATION DETAILS (Oct. 2019)
RATH PROPERTY
1304 Saint Rose Road
Cuba City, Wisconsin

FIGURE 4



SEYMOUR ENVIRONMENTAL SERVICES, INC.

GROUNDWATER MONITORING DATA (Feb. 2020)
RATH PROPERTY
1304 Saint Rose Road
Cuba City, Wisconsin

FIGURE 5

TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL DATA FROM TANK CLOSURE (10/08/2014)
Rath Property
1304 Saint Rose Road - Cuba City, Wisconsin

SAMPLE	Depth (ft)	GRO	DRO	Benzene	Ethylbenzene	Methyl-tert-butyl ether	Toluene	1,3,5 Trimethylbenzene	1,2,4 Trimethylbenzene	Total Trimethylbenzenes	Total Xylenes	Naphthalene	Lead
Tank 1	8	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	11.3
Tank 2	11	na	na	<312	**10100**	**1040**	**5280**	21200	59000	**80200**	**56700**	**16100**	15.1
Tank 3	11	na	na	<200	<200	<200	<200	2710	6670	**9380**	2587	**8320**	8.7
Groundwater Pathway RCLs		ns	ns	5.1	1570	27	1170	ns	ns	1379	3940	658.7	27
Direct Contact RCLs		ns	ns	1600	8020	63800	818000	182000	219000	ns	260000	5520	400

- GRO, DRO and Lead results are in mg/kg
- PVOCs are reported in ug/kg
- ns = no standard established
- na = not analyzed
- Groundwater Pathway RCL (exceedances bold)
- Direct Contact RCL for non-industrial properties (exceedances underlined)
- Soil standards from R&R Calculator using Wisconsin defaults

TABLE 2
SUMMARY OF GEOPROBE SOIL ANALYTICAL DATA (06/07/2019)
Rath Property
1304 Saint Rose Road - Cuba City, Wisconsin

SAMPLE	Depth (ft)	GRO	DRO	Benzene	Ethylbenzene	Methyl-tert-butyl ether	Toluene	1,3,5 Trimethylbenzene	1,2,4 Trimethylbenzene	Total Trimethylbenzenes	Total Xylenes	Naphthalene	Lead
B-1	7	na	na	**18900**	**54000**	<625	**168000**	54700	171000	**225700**	**329100**	**19400**	na
B-1	9	1470	na	**3910**	**30100**	**1570**	**59400**	21400	67300	**88700**	**134800**	**11900**	na
B-2	8	na	na	<200	<200	<200	<200	2550	4570	**7120**	<600	**1580**	na
B-2	12	na	<1.5	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0	2.8
B-2	15	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0	2.3
B-3	8	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0	na
B-3	11	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0	na
B-4	10	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0	na
B-5	8	na	na	**120**	124	<25.0	136	171	405	576	372.3	73.6 (J)	na
B-5	10	na	na	**16000**	**67700**	<1000	**165000**	55400	189000	**244400**	**362200**	**20700**	na
B-6	8	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0	na
B-6	9.5	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0	na
B-7	8	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0	na
B-7	9.5	na	na	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<40.0	na
Groundwater Pathway RCLs		ns	ns	5.1	1570	27	1170	ns	ns	1379	3940	658.7	27
Direct Contact RCLs		ns	ns	1600	8020	63800	818000	182000	219000	ns	260000	5520	400

- GRO, DRO, and Lead results are in mg/kg
- PVOCs are reported in ug/kg
- ns = no standard established
- na = not analyzed
- Groundwater Pathway RCL (exceedances bold)
- Direct Contact RCL for non-industrial properties (exceedances underlined)
- Soil standards from R&R Calculator using Wisconsin defaults

TABLE 3
SUMMARY OF SOIL ANALYTICAL DATA FROM REMEDIAL EXCAVATION (October 2019)
Rath Property
1304 Saint Rose Road - Cuba City, Wisconsin

Date	10/21/19					10/22/19					Groundwater	Direct Contact
SAMPLE	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	Pathway	Hazard
Depth (ft)	8	9	10	9	10	10	9	10	10	10	RCL	RCL
DRO	na	na	na	na	na	na	na	na	na	na	ns	ns
GRO	na	na	na	na	na	na	na	na	na	na	ns	ns
PVOCs												
Benzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<25.0	5.1	1600
1,2 Dichloroethane	na	na	na	na	na	na	na	na	na	na	2.8	652
Ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<25.0	1570	8020
Methyl-tert-butyl ether	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<25.0	27	63800
Toluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<25.0	1107	818000
1,3,5 Trimethylbenzenes	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	69.1 J	1010	<25.0	ns	182000
1,2,4 Trimethylbenzenes	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	153	1980	<25.0	ns	219000
Total Trimethylbenzenes	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	222.1	**2990**	<50.0	1379	ns
Xylenes, -m, -p	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<400	<50.0	ns	ns
Xylene, -o	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<200	<25.0	ns	ns
Total Xylenes	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<600	<75.0	3940	260000
Naphthalene	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	119 J	<320	<40.0	658.7	5520

- GRO, DRO results are in mg/kg
- PVOCs are reported in ug/kg
- J = detected below limit of quantitation
- na = not analyzed
- ns = no standard established
- Groundwater Pathway RCL (exceedances bold)
- Direct Contact RCL for non-industrial properties (exceedances underlined)
- Soil standards from R&R Calculator using Wisconsin defaults

TABLE 4
SUMMARY OF GROUNDWATER MONITORING DATA (February 24, 2020)
Rath Property
1304 Saint Rose Road - Cuba City, Wisconsin

Sample I.D.	MW-1	MW-2	MW-3	NR140	
TOC	995.63	996.32	995.70		
GW Depth	32.43	31.81	31.24		
GW Elevation	963.20	964.51	964.46	ES	PAL
VOCs					
Benzene	<0.25	<0.25	<0.25	5	0.5
1,2 Dichloroethane	<0.28	<0.28	<0.28	5	0.5
Ethylbenzene	<0.32	<0.32	<0.32	700	140
Methyl-tert-butyl ether	<1.2	<1.2	<1.2	60	12
Toluene	<0.27	<0.27	0.95	800	160
Total Trimethylbenzenes	<1.71	<1.71	<1.71	480	96
Total Xylenes	<0.73	<0.73	<0.73	2000	400
Naphthalene	<1.2	<1.2	<1.2	100	10
n-Butylbenzene	<0.71	<0.71	<0.71	ns	ns
Isopropylbenzene	<1.7	<1.7	<1.7	ns	ns
n-propylbenzene	<0.81	<0.81	<0.81	ns	ns
PAHs					
Acenaphthrene	<0.0055	<0.0055	<0.0055	ns	ns
Acenaphthylene	<0.0045	<0.0045	<0.0045	ns	ns
Anthracene	<0.0094	<0.0095	<0.0094	3000	600
Benzo(a)anthracene	<0.0068	<0.0069	<0.0068	ns	ns
Benzo(a)pyrene	<0.0095	<0.0096	<0.0095	0.2	0.02
Benzo(b)fluoranthene	<0.0052	<0.0052	<0.0052	0.2	0.02
Benzo(g,h,i)perylene	<0.0061	<0.0062	<0.0061	ns	ns
Benzo(k)fluoranthene	<0.0068	<0.0069	<0.0068	ns	ns
Chrysene	<0.012	<0.012	<0.012	0.2	0.02
Dibenzo(a,h)anthracene	<0.0090	<0.0091	<0.0090	ns	ns
Fluoranthene	<0.0096	<0.0097	<0.0096	400	80
Fluorene	<0.0072	<0.0072	<0.0072	400	80
Indeno(1,2,3-cd)pyrene	<0.016	<0.016	<0.016	ns	ns
1-Methylnaphthalene	<0.0053	<0.0054	<0.0053	ns	ns
2-Methylnaphthalene	<0.0044	<0.0045	<0.0044	ns	ns
Naphthalene	0.028 (J)	<0.017	<0.017	100	10
Phenanthrene	<0.012	<0.013	<0.012	ns	ns
Pyrene	<0.0069	<0.0070	<0.0069	250	50

- All results are reported in ug/l
- All detected compounds included in table
- na = not analyzed
- ns = no standard established
- (J) = Results estimated by lab; below quantitative limit
- NR140 PAL = Preventative action limit (exceedances underlined)
- NR140 ES = Enforcement standard (exceedances bold)

TABLE 5
SUMMARY OF ANALYTICAL DATA FROM WATER-SUPPLY WELL
Rath Property
1304 Saint Rose Road - Cuba City, Wisconsin

DATE	09/09/10	06/07/19	02/24/20	NR140	
				ES	PAL
VOCs					
Benzene	<0.39	<0.25	<0.25	5	0.5
1,2 Dichloroethane	na	<0.28	<0.28	5	0.5
Ethylbenzene	<0.41	<0.22	<0.32	700	140
Methyl-tert-butyl ether	<0.38	<1.2	<1.2	60	12
Toluene	<0.42	<0.17	<0.27	800	160
Total Trimethylbenzenes	<0.83	<1.71	<1.71	480	96
Total Xylenes	<1.25	<0.73	<0.73	2000	400
Naphthalene	<0.40	<1.2	<1.2	100	10
n-Butylbenzene	na	<0.71	<0.71	ns	ns
s-Butylbenzene	na	<0.85	<0.85	ns	ns
Isopropylbenzene	na	<0.39	<1.7	ns	ns
p-Isopropyltoluene	na	<0.80	<0.80	ns	ns
n-propylbenzene	na	<0.81	<0.81	ns	ns

- All results are reported in ug/l
- All detected compounds included in table
- na = not analyzed
- ns = no standard established
- Sample from 2010 analyzed for PVOCs
- NR140 PAL = Preventative action limit (exceedances underlined)
- NR140 ES = Enforcement standard (exceedances bold)

APPENDIX A

LABORATORY REPORTS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

September 22, 2010

Robyn Seymour
Seymour Environmental Services, INC.
2531 Dyreson Road
Mc Farland, WI 53558

RE: Project: WATER WELL
Pace Project No.: 4037027

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on September 16, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian Basten

brian.basten@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: WATER WELL
Pace Project No.: 4037027

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: WATER WELL
Pace Project No.: 4037027

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4037027001	**WATER WELL**	Water	09/09/10 15:00	09/16/10 09:40

Pace Analytical Services, Inc.
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(920)469-2436

SAMPLE ANALYTE COUNT

Project: WATER WELL
Pace Project No.: 4037027

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4037027001	**WATER WELL**	WI MOD GRO	SES	10	PASI-G

Pace Analytical Services, Inc.
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Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: WATER WELL
Pace Project No.: 4037027

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: SEYMOUR ENVIRONMENTAL SERVICES, INC.
Date: September 22, 2010

General Information:
1 sample was analyzed for WI MOD GRO. All samples were received in acceptable condition with any exceptions noted below.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: WATER WELL
Pace Project No.: 4037027

Sample: WATER WELL **Lab ID: 4037027001** Collected: 09/09/10 15:00 Received: 09/16/10 09:40 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.39**	ug/L	1.0	0.39	1		09/20/10 11:52	71-43-2	
Ethylbenzene	**<0.41**	ug/L	1.0	0.41	1		09/20/10 11:52	100-41-4	
Methyl-tert-butyl ether	**<0.38**	ug/L	1.0	0.38	1		09/20/10 11:52	1634-04-4	
Naphthalene	**<0.40**	ug/L	1.0	0.40	1		09/20/10 11:52	91-20-3	
Toluene	**<0.42**	ug/L	1.0	0.42	1		09/20/10 11:52	108-88-3	
1,2,4-Trimethylbenzene	**<0.43**	ug/L	1.0	0.43	1		09/20/10 11:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.40**	ug/L	1.0	0.40	1		09/20/10 11:52	108-67-8	
m&p-Xylene	**<0.87**	ug/L	2.0	0.87	1		09/20/10 11:52	179601-23-1	
o-Xylene	**<0.38**	ug/L	1.0	0.38	1		09/20/10 11:52	95-47-6	
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		09/20/10 11:52	98-08-8	

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: WATER WELL
Pace Project No.: 4037027

QC Batch: GCV/5612
QC Batch Method: WI MOD GRO
Analysis Method: WI MOD GRO
Analysis Description: WIGRO GCV Water
Associated Lab Samples: 4037027001

METHOD BLANK: 356975 Matrix: Water
Associated Lab Samples: 4037027001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.43	1.0	09/20/10 10:08	
1,3,5-Trimethylbenzene	ug/L	<0.40	1.0	09/20/10 10:08	
Benzene	ug/L	<0.39	1.0	09/20/10 10:08	
Ethylbenzene	ug/L	<0.41	1.0	09/20/10 10:08	
m&p-Xylene	ug/L	<0.87	2.0	09/20/10 10:08	
Methyl-tert-butyl ether	ug/L	<0.38	1.0	09/20/10 10:08	
Naphthalene	ug/L	<0.40	1.0	09/20/10 10:08	
o-Xylene	ug/L	<0.38	1.0	09/20/10 10:08	
Toluene	ug/L	<0.42	1.0	09/20/10 10:08	
a,a,a-Trifluorotoluene (S)	%	103	80-120	09/20/10 10:08	

LABORATORY CONTROL SAMPLE & LCSD: 356976 356977

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	20.4	20.2	102	101	80-120	.7	20	
1,3,5-Trimethylbenzene	ug/L	20	20.6	20.3	103	101	80-120	2	20	
Benzene	ug/L	20	20.7	20.6	104	103	80-120	.6	20	
Ethylbenzene	ug/L	20	20.8	20.5	104	103	80-120	1	20	
m&p-Xylene	ug/L	40	41.1	40.6	103	101	80-120	1	20	
Methyl-tert-butyl ether	ug/L	20	20.4	21.1	102	105	80-120	3	20	
Naphthalene	ug/L	20	20.1	20.6	101	103	80-120	2	20	
o-Xylene	ug/L	20	20.5	20.3	103	102	80-120	1	20	
Toluene	ug/L	20	20.7	20.5	104	103	80-120	.8	20	
a,a,a-Trifluorotoluene (S)	%				102	102	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 356978 356979

Parameter	Units	4036966009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4-Trimethylbenzene	ug/L	2090	1000	1000	3200	3150	111	106	31-178	2	20	
1,3,5-Trimethylbenzene	ug/L	597	1000	1000	1730	1710	114	111	66-145	2	20	
Benzene	ug/L	703	1000	1000	1800	1780	109	108	23-177	.7	20	
Ethylbenzene	ug/L	2350	1000	1000	3480	3430	113	108	63-144	1	20	
m&p-Xylene	ug/L	7320	2000	2000	9530	9420	110	105	39-172	1	20	
Methyl-tert-butyl ether	ug/L	<19.0	1000	1000	1040	1060	104	106	80-120	2	20	
Naphthalene	ug/L	747	1000	1000	1710	1750	96	100	63-140	2	20	
o-Xylene	ug/L	2100	1000	1000	3190	3160	109	106	60-150	1	20	
Toluene	ug/L	7020	1000	1000	8090	7950	107	93	53-164	2	20	
a,a,a-Trifluorotoluene (S)	%						103	103	80-120			

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: WATER WELL
Pace Project No.: 4037027

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

June 24, 2019

Robyn Seymour
Seymour Environmental Services, INC.
2531 Dyreson Road
Mc Farland, WI 53558

RE: Project: RATH PROPERTY
Pace Project No.: 40189323

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on June 12, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: RATH PROPERTY
Pace Project No.: 40189323

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: RATH PROPERTY
Pace Project No.: 40189323

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40189323001	**B-1, 7'**	Solid	06/07/19 10:00	06/12/19 09:55
40189323002	**B-1, 9'**	Solid	06/07/19 10:10	06/12/19 09:55
40189323003	**B-2, 8'**	Solid	06/07/19 10:18	06/12/19 09:55
40189323004	**B-2, 12'**	Solid	06/07/19 10:20	06/12/19 09:55
40189323005	**B-2, 15'**	Solid	06/07/19 10:25	06/12/19 09:55
40189323006	**B-3, 8'**	Solid	06/07/19 10:40	06/12/19 09:55
40189323007	**B-3, 11'**	Solid	06/07/19 10:45	06/12/19 09:55
40189323008	**B-4, 10'**	Solid	06/07/19 11:00	06/12/19 09:55
40189323009	**B-5, 8'**	Solid	06/07/19 11:15	06/12/19 09:55
40189323010	**B-6, 8'**	Solid	06/07/19 11:45	06/12/19 09:55
40189323011	**B-6, 9.5'**	Solid	06/07/19 11:50	06/12/19 09:55
40189323012	**B-5, 10'**	Solid	06/07/19 11:20	06/12/19 09:55
40189323013	**B-7, 8'**	Solid	06/07/19 12:00	06/12/19 09:55
40189323014	**B-7, 9.5'**	Solid	06/07/19 12:10	06/12/19 09:55
40189323015	**WATER WELL**	Water	06/07/19 13:00	06/12/19 09:55

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: RATH PROPERTY
Pace Project No.: 40189323

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40189323001	**B-1, 7'**	EPA 8260	MDS	12
		ASTM D2974-87	JEV	1
40189323002	**B-1, 9'**	WI MOD GRO	ALD	11
		EPA 6010	TXW	1
		ASTM D2974-87	JEV	1
40189323003	**B-2, 8'**	EPA 8260	MDS	12
		ASTM D2974-87	JEV	1
40189323004	**B-2, 12'**	WI MOD DRO	MRN	1
		EPA 6010	TXW	1
		EPA 8260	MDS	12
		ASTM D2974-87	JEV	1
40189323005	**B-2, 15'**	EPA 6010	TXW	1
		EPA 8260	MDS	12
		ASTM D2974-87	JEV	1
40189323006	**B-3, 8'**	EPA 8260	MDS	12
		ASTM D2974-87	JEV	1
40189323007	**B-3, 11'**	EPA 8260	MDS	12
		ASTM D2974-87	JEV	1
40189323008	**B-4, 10'**	EPA 8260	MDS	12
		ASTM D2974-87	JEV	1
40189323009	**B-5, 8'**	EPA 8260	MDS	12
		ASTM D2974-87	JEV	1
40189323010	**B-6, 8'**	EPA 8260	MDS	12
		ASTM D2974-87	PCG	1
40189323011	**B-6, 9.5'**	EPA 8260	MDS	12
		ASTM D2974-87	JEV	1
40189323012	**B-5, 10'**	EPA 8260	MDS	12
		ASTM D2974-87	PCG	1
40189323013	**B-7, 8'**	EPA 8260	MDS	12
		ASTM D2974-87	PCG	1
40189323014	**B-7, 9.5'**	EPA 8260	MDS	12
		ASTM D2974-87	PCG	1
40189323015	**WATER WELL**	EPA 8260	HNW	64

Pace Analytical Services, LLC
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(920)469-2436

SUMMARY OF DETECTION

Project: RATH PROPERTY
Pace Project No.: 40189323

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189323001	**B-1, 7'**					
EPA 8260	Benzene	18900	ug/kg	1930	06/18/19 04:41	
EPA 8260	Ethylbenzene	54000	ug/kg	1930	06/18/19 04:41	
EPA 8260	Naphthalene	19400	ug/kg	8060	06/18/19 04:41	
EPA 8260	Toluene	168000	ug/kg	1930	06/18/19 04:41	
EPA 8260	1,2,4-Trimethylbenzene	171000	ug/kg	1930	06/18/19 04:41	
EPA 8260	1,3,5-Trimethylbenzene	54700	ug/kg	1930	06/18/19 04:41	
EPA 8260	m&p-Xylene	242000	ug/kg	3870	06/18/19 04:41	
EPA 8260	o-Xylene	87100	ug/kg	1930	06/18/19 04:41	
ASTM D2974-87	Percent Moisture	22.5	%	0.10	06/13/19 16:33	
40189323002	**B-1, 9'**					
WI MOD GRO	Benzene	3910	ug/kg	1130	06/13/19 15:20	
WI MOD GRO	Ethylbenzene	30100	ug/kg	1130	06/13/19 15:20	
WI MOD GRO	Gasoline Range Organics	1470	mg/kg	113	06/13/19 15:20	GO
WI MOD GRO	Methyl-tert-butyl ether	1570	ug/kg	1130	06/13/19 15:20	
WI MOD GRO	Naphthalene	11900	ug/kg	1130	06/13/19 15:20	
WI MOD GRO	Toluene	59400	ug/kg	1130	06/13/19 15:20	
WI MOD GRO	1,2,4-Trimethylbenzene	67300	ug/kg	1130	06/13/19 15:20	
WI MOD GRO	1,3,5-Trimethylbenzene	21400	ug/kg	1130	06/13/19 15:20	
WI MOD GRO	m&p-Xylene	100000	ug/kg	2260	06/13/19 15:20	
WI MOD GRO	o-Xylene	34800	ug/kg	1130	06/13/19 15:20	
EPA 6010	Lead	5.1	mg/kg	2.2	06/13/19 20:32	
ASTM D2974-87	Percent Moisture	11.6	%	0.10	06/13/19 16:33	
40189323003	**B-2, 8'**					
EPA 8260	Naphthalene	1580J	ug/kg	2560	06/17/19 14:59	
EPA 8260	1,2,4-Trimethylbenzene	4570	ug/kg	614	06/17/19 14:59	
EPA 8260	1,3,5-Trimethylbenzene	2550	ug/kg	614	06/17/19 14:59	
ASTM D2974-87	Percent Moisture	21.8	%	0.10	06/13/19 16:33	
40189323004	**B-2, 12'**					
EPA 6010	Lead	2.8	mg/kg	2.2	06/13/19 20:40	
ASTM D2974-87	Percent Moisture	11.2	%	0.10	06/13/19 16:33	
40189323005	**B-2, 15'**					
EPA 6010	Lead	2.3	mg/kg	2.1	06/13/19 20:42	
ASTM D2974-87	Percent Moisture	7.4	%	0.10	06/13/19 16:34	
40189323006	**B-3, 8'**					
ASTM D2974-87	Percent Moisture	24.2	%	0.10	06/13/19 16:34	
40189323007	**B-3, 11'**					
ASTM D2974-87	Percent Moisture	8.7	%	0.10	06/13/19 16:34	
40189323008	**B-4, 10'**					
ASTM D2974-87	Percent Moisture	8.8	%	0.10	06/13/19 16:34	
40189323009	**B-5, 8'**					
EPA 8260	Benzene	120	ug/kg	78.4	06/18/19 03:54	
EPA 8260	Ethylbenzene	124	ug/kg	78.4	06/18/19 03:54	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: RATH PROPERTY
Pace Project No.: 40189323

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40189323009	**B-5, 8'**					
EPA 8260	Naphthalene	73.6J	ug/kg	327	06/18/19 03:54	
EPA 8260	Toluene	136	ug/kg	78.4	06/18/19 03:54	
EPA 8260	1,2,4-Trimethylbenzene	405	ug/kg	78.4	06/18/19 03:54	
EPA 8260	1,3,5-Trimethylbenzene	171	ug/kg	78.4	06/18/19 03:54	
EPA 8260	m&p-Xylene	317	ug/kg	157	06/18/19 03:54	
EPA 8260	o-Xylene	55.3J	ug/kg	78.4	06/18/19 03:54	
ASTM D2974-87	Percent Moisture	23.5	%	0.10	06/13/19 16:34	
40189323010	**B-6, 8'**					
ASTM D2974-87	Percent Moisture	24.0	%	0.10	06/12/19 15:40	
40189323011	**B-6, 9.5'**					
ASTM D2974-87	Percent Moisture	10.0	%	0.10	06/13/19 16:34	
40189323012	**B-5, 10'**					
EPA 8260	Benzene	16000	ug/kg	2650	06/18/19 04:17	
EPA 8260	Ethylbenzene	67700	ug/kg	2650	06/18/19 04:17	
EPA 8260	Naphthalene	20700	ug/kg	11000	06/18/19 04:17	
EPA 8260	Toluene	165000	ug/kg	2650	06/18/19 04:17	
EPA 8260	1,2,4-Trimethylbenzene	189000	ug/kg	2650	06/18/19 04:17	
EPA 8260	1,3,5-Trimethylbenzene	55400	ug/kg	2650	06/18/19 04:17	
EPA 8260	m&p-Xylene	264000	ug/kg	5290	06/18/19 04:17	
EPA 8260	o-Xylene	98200	ug/kg	2650	06/18/19 04:17	
ASTM D2974-87	Percent Moisture	9.3	%	0.10	06/14/19 11:15	
40189323013	**B-7, 8'**					
ASTM D2974-87	Percent Moisture	22.7	%	0.10	06/12/19 16:39	
40189323014	**B-7, 9.5'**					
ASTM D2974-87	Percent Moisture	8.7	%	0.10	06/14/19 11:15	

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ANALYTICAL RESULTS

Project: RATH PROPERTY
Pace Project No.: 40189323

Sample: B-1, 7' **Lab ID: 40189323001** Collected: 06/07/19 10:00 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**18900**	ug/kg	1930	806	25	06/14/19 08:45	06/18/19 04:41	71-43-2	
Ethylbenzene	**54000**	ug/kg	1930	806	25	06/14/19 08:45	06/18/19 04:41	100-41-4	
Methyl-tert-butyl ether	**<625**	ug/kg	1500	625	25	06/14/19 08:45	06/18/19 04:41	1634-04-4	W
Naphthalene	**19400**	ug/kg	8060	1290	25	06/14/19 08:45	06/18/19 04:41	91-20-3	
Toluene	**168000**	ug/kg	1930	806	25	06/14/19 08:45	06/18/19 04:41	108-88-3	
1,2,4-Trimethylbenzene	**171000**	ug/kg	1930	806	25	06/14/19 08:45	06/18/19 04:41	95-63-6	
1,3,5-Trimethylbenzene	**54700**	ug/kg	1930	806	25	06/14/19 08:45	06/18/19 04:41	108-67-8	
m&p-Xylene	**242000**	ug/kg	3870	1610	25	06/14/19 08:45	06/18/19 04:41	179601-23-1	
o-Xylene	**87100**	ug/kg	1930	806	25	06/14/19 08:45	06/18/19 04:41	95-47-6	
Surrogates									
Dibromofluoromethane (S)	0	%	57-146		25	06/14/19 08:45	06/18/19 04:41	1868-53-7	S4
4-Bromofluorobenzene (S)	0	%	54-126		25	06/14/19 08:45	06/18/19 04:41	460-00-4	S4
Toluene-d8 (S)	0	%	64-134		25	06/14/19 08:45	06/18/19 04:41	2037-26-5	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.5**	%	0.10	0.10	1		06/13/19 16:33		

Sample: B-1, 9' **Lab ID: 40189323002** Collected: 06/07/19 10:10 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**3910**	ug/kg	1130	565	20	06/13/19 08:00	06/13/19 15:20	71-43-2	
Ethylbenzene	**30100**	ug/kg	1130	565	20	06/13/19 08:00	06/13/19 15:20	100-41-4	
Gasoline Range Organics	**1470**	mg/kg	113	56.5	20	06/13/19 08:00	06/13/19 15:20		GO
Methyl-tert-butyl ether	**1570**	ug/kg	1130	565	20	06/13/19 08:00	06/13/19 15:20	1634-04-4	
Naphthalene	**11900**	ug/kg	1130	565	20	06/13/19 08:00	06/13/19 15:20	91-20-3	
Toluene	**59400**	ug/kg	1130	565	20	06/13/19 08:00	06/13/19 15:20	108-88-3	
1,2,4-Trimethylbenzene	**67300**	ug/kg	1130	565	20	06/13/19 08:00	06/13/19 15:20	95-63-6	
1,3,5-Trimethylbenzene	**21400**	ug/kg	1130	565	20	06/13/19 08:00	06/13/19 15:20	108-67-8	
m&p-Xylene	**100000**	ug/kg	2260	1130	20	06/13/19 08:00	06/13/19 15:20	179601-23-1	
o-Xylene	**34800**	ug/kg	1130	565	20	06/13/19 08:00	06/13/19 15:20	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	99	%	80-120		20	06/13/19 08:00	06/13/19 15:20	98-08-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**5.1**	mg/kg	2.2	0.67	1	06/13/19 08:33	06/13/19 20:32	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.6**	%	0.10	0.10	1		06/13/19 16:33		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RATH PROPERTY
Pace Project No.: 40189323

Sample: B-2, 8' **Lab ID: 40189323003** Collected: 06/07/19 10:18 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<200**	ug/kg	480	200	8	06/13/19 08:15	06/17/19 14:59	71-43-2	W
Ethylbenzene	**<200**	ug/kg	480	200	8	06/13/19 08:15	06/17/19 14:59	100-41-4	W
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	06/13/19 08:15	06/17/19 14:59	1634-04-4	W
Naphthalene	**1580J**	ug/kg	2560	410	8	06/13/19 08:15	06/17/19 14:59	91-20-3	
Toluene	**<200**	ug/kg	480	200	8	06/13/19 08:15	06/17/19 14:59	108-88-3	W
1,2,4-Trimethylbenzene	**4570**	ug/kg	614	256	8	06/13/19 08:15	06/17/19 14:59	95-63-6	
1,3,5-Trimethylbenzene	**2550**	ug/kg	614	256	8	06/13/19 08:15	06/17/19 14:59	108-67-8	
m&p-Xylene	**<400**	ug/kg	960	400	8	06/13/19 08:15	06/17/19 14:59	179601-23-1	W
o-Xylene	**<200**	ug/kg	480	200	8	06/13/19 08:15	06/17/19 14:59	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	57-146		8	06/13/19 08:15	06/17/19 14:59	1868-53-7	D3
4-Bromofluorobenzene (S)	103	%	54-126		8	06/13/19 08:15	06/17/19 14:59	460-00-4	
Toluene-d8 (S)	84	%	64-134		8	06/13/19 08:15	06/17/19 14:59	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.8**	%	0.10	0.10	1		06/13/19 16:33		

Sample: B-2, 12' **Lab ID: 40189323004** Collected: 06/07/19 10:20 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIDRO GCS	Analytical Method: WI MOD DRO Preparation Method: WI MOD DRO								
Diesel Range Organics	**<1.5**	mg/kg	4.9	1.5	1	06/17/19 12:28	06/18/19 12:06		C4,D5
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**2.8**	mg/kg	2.2	0.67	1	06/13/19 08:33	06/13/19 20:40	7439-92-1	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:17	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:17	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:17	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	06/13/19 08:15	06/17/19 12:17	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:17	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:17	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:17	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/13/19 08:15	06/17/19 12:17	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:17	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	57-146		1	06/13/19 08:15	06/17/19 12:17	1868-53-7	
4-Bromofluorobenzene (S)	104	%	54-126		1	06/13/19 08:15	06/17/19 12:17	460-00-4	
Toluene-d8 (S)	95	%	64-134		1	06/13/19 08:15	06/17/19 12:17	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RATH PROPERTY
Pace Project No.: 40189323

Sample: B-2, 12' **Lab ID: 40189323004** Collected: 06/07/19 10:20 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**11.2**	%	0.10	0.10	1		06/13/19 16:33		

Sample: B-2, 15' **Lab ID: 40189323005** Collected: 06/07/19 10:25 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead	**2.3**	mg/kg	2.1	0.64	1	06/13/19 08:33	06/13/19 20:42	7439-92-1	
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:40	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:40	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:40	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	06/13/19 08:15	06/17/19 12:40	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:40	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:40	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/13/19 08:15	06/17/19 12:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 12:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	57-146		1	06/13/19 08:15	06/17/19 12:40	1868-53-7	
4-Bromofluorobenzene (S)	102	%	54-126		1	06/13/19 08:15	06/17/19 12:40	460-00-4	
Toluene-d8 (S)	96	%	64-134		1	06/13/19 08:15	06/17/19 12:40	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**7.4**	%	0.10	0.10	1		06/13/19 16:34		

Sample: B-3, 8' **Lab ID: 40189323006** Collected: 06/07/19 10:40 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:03	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:03	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:03	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	06/13/19 08:15	06/17/19 13:03	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:03	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:03	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:03	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/13/19 08:15	06/17/19 13:03	179601-23-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RATH PROPERTY
Pace Project No.: 40189323

Sample: B-3, 8' **Lab ID: 40189323006** Collected: 06/07/19 10:40 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:03	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	57-146		1	06/13/19 08:15	06/17/19 13:03	1868-53-7	
4-Bromofluorobenzene (S)	100	%	54-126		1	06/13/19 08:15	06/17/19 13:03	460-00-4	
Toluene-d8 (S)	91	%	64-134		1	06/13/19 08:15	06/17/19 13:03	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.2**	%	0.10	0.10	1		06/13/19 16:34		

Sample: B-3, 11' **Lab ID: 40189323007** Collected: 06/07/19 10:45 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:26	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:26	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:26	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	06/13/19 08:15	06/17/19 13:26	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:26	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:26	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:26	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/13/19 08:15	06/17/19 13:26	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/13/19 08:15	06/17/19 13:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	57-146		1	06/13/19 08:15	06/17/19 13:26	1868-53-7	
4-Bromofluorobenzene (S)	108	%	54-126		1	06/13/19 08:15	06/17/19 13:26	460-00-4	
Toluene-d8 (S)	99	%	64-134		1	06/13/19 08:15	06/17/19 13:26	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.7**	%	0.10	0.10	1		06/13/19 16:34		

Sample: B-4, 10' **Lab ID: 40189323008** Collected: 06/07/19 11:00 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 03:31	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 03:31	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 03:31	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	06/14/19 08:45	06/18/19 03:31	91-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RATH PROPERTY
Pace Project No.: 40189323

Sample: B-4, 10' **Lab ID: 40189323008** Collected: 06/07/19 11:00 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 03:31	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 03:31	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 03:31	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/19 08:45	06/18/19 03:31	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 03:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-146		1	06/14/19 08:45	06/18/19 03:31	1868-53-7	
4-Bromofluorobenzene (S)	108	%	54-126		1	06/14/19 08:45	06/18/19 03:31	460-00-4	
Toluene-d8 (S)	105	%	64-134		1	06/14/19 08:45	06/18/19 03:31	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.8**	%	0.10	0.10	1		06/13/19 16:34		

Sample: B-5, 8' **Lab ID: 40189323009** Collected: 06/07/19 11:15 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**120**	ug/kg	78.4	32.7	1	06/14/19 08:45	06/18/19 03:54	71-43-2	
Ethylbenzene	**124**	ug/kg	78.4	32.7	1	06/14/19 08:45	06/18/19 03:54	100-41-4	
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 03:54	1634-04-4	W
Naphthalene	**73.6J**	ug/kg	327	52.3	1	06/14/19 08:45	06/18/19 03:54	91-20-3	
Toluene	**136**	ug/kg	78.4	32.7	1	06/14/19 08:45	06/18/19 03:54	108-88-3	
1,2,4-Trimethylbenzene	**405**	ug/kg	78.4	32.7	1	06/14/19 08:45	06/18/19 03:54	95-63-6	
1,3,5-Trimethylbenzene	**171**	ug/kg	78.4	32.7	1	06/14/19 08:45	06/18/19 03:54	108-67-8	
m&p-Xylene	**317**	ug/kg	157	65.4	1	06/14/19 08:45	06/18/19 03:54	179601-23-1	
o-Xylene	**55.3J**	ug/kg	78.4	32.7	1	06/14/19 08:45	06/18/19 03:54	95-47-6	
Surrogates									
Dibromofluoromethane (S)	103	%	57-146		1	06/14/19 08:45	06/18/19 03:54	1868-53-7	
4-Bromofluorobenzene (S)	113	%	54-126		1	06/14/19 08:45	06/18/19 03:54	460-00-4	
Toluene-d8 (S)	104	%	64-134		1	06/14/19 08:45	06/18/19 03:54	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**23.5**	%	0.10	0.10	1		06/13/19 16:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: RATH PROPERTY
Pace Project No.: 40189323

Sample: B-6, 8' **Lab ID: 40189323010** Collected: 06/07/19 11:45 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:09	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:09	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:09	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	06/14/19 08:45	06/18/19 10:09	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:09	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:09	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:09	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/19 08:45	06/18/19 10:09	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	57-146		1	06/14/19 08:45	06/18/19 10:09	1868-53-7	
4-Bromofluorobenzene (S)	111	%	54-126		1	06/14/19 08:45	06/18/19 10:09	460-00-4	
Toluene-d8 (S)	106	%	64-134		1	06/14/19 08:45	06/18/19 10:09	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.0**	%	0.10	0.10	1		06/12/19 15:40		

Sample: B-6, 9.5' **Lab ID: 40189323011** Collected: 06/07/19 11:50 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:32	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:32	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:32	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	06/14/19 08:45	06/18/19 10:32	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:32	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:32	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:32	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/19 08:45	06/18/19 10:32	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	57-146		1	06/14/19 08:45	06/18/19 10:32	1868-53-7	
4-Bromofluorobenzene (S)	107	%	54-126		1	06/14/19 08:45	06/18/19 10:32	460-00-4	
Toluene-d8 (S)	104	%	64-134		1	06/14/19 08:45	06/18/19 10:32	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.0**	%	0.10	0.10	1		06/13/19 16:34		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: RATH PROPERTY
Pace Project No.: 40189323

Sample: B-5, 10' **Lab ID: 40189323012** Collected: 06/07/19 11:20 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**16000**	ug/kg	2650	1100	40	06/14/19 08:45	06/18/19 04:17	71-43-2	
Ethylbenzene	**67700**	ug/kg	2650	1100	40	06/14/19 08:45	06/18/19 04:17	100-41-4	
Methyl-tert-butyl ether	**<1000**	ug/kg	2400	1000	40	06/14/19 08:45	06/18/19 04:17	1634-04-4	W
Naphthalene	**20700**	ug/kg	11000	1770	40	06/14/19 08:45	06/18/19 04:17	91-20-3	
Toluene	**165000**	ug/kg	2650	1100	40	06/14/19 08:45	06/18/19 04:17	108-88-3	
1,2,4-Trimethylbenzene	**189000**	ug/kg	2650	1100	40	06/14/19 08:45	06/18/19 04:17	95-63-6	
1,3,5-Trimethylbenzene	**55400**	ug/kg	2650	1100	40	06/14/19 08:45	06/18/19 04:17	108-67-8	
m&p-Xylene	**264000**	ug/kg	5290	2200	40	06/14/19 08:45	06/18/19 04:17	179601-23-1	
o-Xylene	**98200**	ug/kg	2650	1100	40	06/14/19 08:45	06/18/19 04:17	95-47-6	
Surrogates									
Dibromofluoromethane (S)	0	%	57-146		40	06/14/19 08:45	06/18/19 04:17	1868-53-7	S4
4-Bromofluorobenzene (S)	0	%	54-126		40	06/14/19 08:45	06/18/19 04:17	460-00-4	S4
Toluene-d8 (S)	0	%	64-134		40	06/14/19 08:45	06/18/19 04:17	2037-26-5	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.3**	%	0.10	0.10	1		06/14/19 11:15		

Sample: B-7, 8' **Lab ID: 40189323013** Collected: 06/07/19 12:00 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:55	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:55	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:55	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	06/14/19 08:45	06/18/19 10:55	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:55	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:55	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:55	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/19 08:45	06/18/19 10:55	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 10:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	111	%	57-146		1	06/14/19 08:45	06/18/19 10:55	1868-53-7	
4-Bromofluorobenzene (S)	118	%	54-126		1	06/14/19 08:45	06/18/19 10:55	460-00-4	
Toluene-d8 (S)	114	%	64-134		1	06/14/19 08:45	06/18/19 10:55	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.7**	%	0.10	0.10	1		06/12/19 16:39		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: RATH PROPERTY
Pace Project No.: 40189323

Sample: B-7, 9.5' **Lab ID: 40189323014** Collected: 06/07/19 12:10 Received: 06/12/19 09:55 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 11:18	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 11:18	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 11:18	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	06/14/19 08:45	06/18/19 11:18	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 11:18	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 11:18	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 11:18	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	06/14/19 08:45	06/18/19 11:18	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	06/14/19 08:45	06/18/19 11:18	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	57-146		1	06/14/19 08:45	06/18/19 11:18	1868-53-7	
4-Bromofluorobenzene (S)	106	%	54-126		1	06/14/19 08:45	06/18/19 11:18	460-00-4	
Toluene-d8 (S)	103	%	64-134		1	06/14/19 08:45	06/18/19 11:18	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.7**	%	0.10	0.10	1		06/14/19 11:15		

Sample: WATER WELL **Lab ID: 40189323015** Collected: 06/07/19 13:00 Received: 06/12/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		06/18/19 08:15	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		06/18/19 08:15	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		06/18/19 08:15	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		06/18/19 08:15	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		06/18/19 08:15	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		06/18/19 08:15	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		06/18/19 08:15	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		06/18/19 08:15	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		06/18/19 08:15	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		06/18/19 08:15	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/18/19 08:15	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		06/18/19 08:15	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		06/18/19 08:15	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		06/18/19 08:15	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		06/18/19 08:15	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		06/18/19 08:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		06/18/19 08:15	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		06/18/19 08:15	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		06/18/19 08:15	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		06/18/19 08:15	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		06/18/19 08:15	95-50-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: RATH PROPERTY
Pace Project No.: 40189323

Sample: WATER WELL **Lab ID: 40189323015** Collected: 06/07/19 13:00 Received: 06/12/19 09:55 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		06/18/19 08:15	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		06/18/19 08:15	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		06/18/19 08:15	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		06/18/19 08:15	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		06/18/19 08:15	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		06/18/19 08:15	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		06/18/19 08:15	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		06/18/19 08:15	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		06/18/19 08:15	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		06/18/19 08:15	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		06/18/19 08:15	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		06/18/19 08:15	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		06/18/19 08:15	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		06/18/19 08:15	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		06/18/19 08:15	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		06/18/19 08:15	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		06/18/19 08:15	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		06/18/19 08:15	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		06/18/19 08:15	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		06/18/19 08:15	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		06/18/19 08:15	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		06/18/19 08:15	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		06/18/19 08:15	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		06/18/19 08:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		06/18/19 08:15	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		06/18/19 08:15	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		06/18/19 08:15	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		06/18/19 08:15	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		06/18/19 08:15	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		06/18/19 08:15	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		06/18/19 08:15	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		06/18/19 08:15	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		06/18/19 08:15	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		06/18/19 08:15	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		06/18/19 08:15	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		06/18/19 08:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		06/18/19 08:15	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		06/18/19 08:15	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		06/18/19 08:15	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		06/18/19 08:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		06/18/19 08:15	460-00-4	HS
Dibromofluoromethane (S)	111	%	70-130		1		06/18/19 08:15	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		06/18/19 08:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

QC Batch: 324303 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40189323002

METHOD BLANK: 1883049 Matrix: Solid
Associated Lab Samples: 40189323002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	06/13/19 08:52	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	06/13/19 08:52	
Benzene	ug/kg	<25.0	50.0	06/13/19 08:52	
Ethylbenzene	ug/kg	<25.0	50.0	06/13/19 08:52	
Gasoline Range Organics	mg/kg	<1.6	5.0	06/13/19 08:52	
m&p-Xylene	ug/kg	<50.0	100	06/13/19 08:52	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	06/13/19 08:52	
Naphthalene	ug/kg	<25.0	50.0	06/13/19 08:52	
o-Xylene	ug/kg	<25.0	50.0	06/13/19 08:52	
Toluene	ug/kg	<25.0	50.0	06/13/19 08:52	
a,a,a-Trifluorotoluene (S)	%	100	80-120	06/13/19 08:52	

LABORATORY CONTROL SAMPLE & LCSD: 1883050 1883051

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	990	1000	99	100	80-120	1	20	
1,3,5-Trimethylbenzene	ug/kg	1000	1000	1010	100	101	80-120	1	20	
Benzene	ug/kg	1000	1000	1000	100	100	80-120	0	20	
Ethylbenzene	ug/kg	1000	1010	1010	101	101	80-120	0	20	
Gasoline Range Organics	mg/kg	10	9.6	9.0	96	90	80-120	7	20	
m&p-Xylene	ug/kg	2000	2030	2020	101	101	80-120	0	20	
Methyl-tert-butyl ether	ug/kg	1000	1020	992	102	99	80-120	3	20	
Naphthalene	ug/kg	1000	924	920	92	92	80-120	0	20	
o-Xylene	ug/kg	1000	1010	1000	101	100	80-120	0	20	
Toluene	ug/kg	1000	1010	1010	101	101	80-120	1	20	
a,a,a-Trifluorotoluene (S)	%				101	100	80-120			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

QC Batch: 324324 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 40189323002, 40189323004, 40189323005

METHOD BLANK: 1883104 Matrix: Solid
Associated Lab Samples: 40189323002, 40189323004, 40189323005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/kg	<0.60	2.0	06/13/19 19:32	

LABORATORY CONTROL SAMPLE: 1883105

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/kg	50	49.6	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1883106 1883107

Parameter	Units	40189266001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/kg	915	53.8	53.7	582	577	-620	-629	75-125	1	20	P6

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

QC Batch: 324367 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Associated Lab Samples: 40189323003, 40189323004, 40189323005, 40189323006, 40189323007

METHOD BLANK: 1883340 Matrix: Solid
Associated Lab Samples: 40189323003, 40189323004, 40189323005, 40189323006, 40189323007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	06/14/19 16:44	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	06/14/19 16:44	
Benzene	ug/kg	<9.2	20.0	06/14/19 16:44	
Ethylbenzene	ug/kg	<12.4	50.0	06/14/19 16:44	
m&p-Xylene	ug/kg	<34.4	100	06/14/19 16:44	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	06/14/19 16:44	
Naphthalene	ug/kg	<40.0	250	06/14/19 16:44	
o-Xylene	ug/kg	<14.0	50.0	06/14/19 16:44	
Toluene	ug/kg	<11.2	50.0	06/14/19 16:44	
4-Bromofluorobenzene (S)	%	105	54-126	06/14/19 16:44	
Dibromofluoromethane (S)	%	102	57-146	06/14/19 16:44	
Toluene-d8 (S)	%	96	64-134	06/14/19 16:44	

LABORATORY CONTROL SAMPLE: 1883341

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2510	101	70-130	
Ethylbenzene	ug/kg	2500	2390	96	82-122	
m&p-Xylene	ug/kg	5000	4900	98	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2810	113	70-130	
o-Xylene	ug/kg	2500	2440	98	70-130	
Toluene	ug/kg	2500	2400	96	80-121	
4-Bromofluorobenzene (S)	%			109	54-126	
Dibromofluoromethane (S)	%			101	57-146	
Toluene-d8 (S)	%			97	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1883342 1883343

Parameter	Units	40189032003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<25.0	1680	1680	1530	1670	91	99	70-130	9	20	
Ethylbenzene	ug/kg	<25.0	1680	1680	1500	1530	89	91	80-122	2	20	
m&p-Xylene	ug/kg	<50.0	3370	3370	3020	3090	90	92	70-130	2	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1680	1680	1760	1870	105	111	70-130	6	20	
o-Xylene	ug/kg	<25.0	1680	1680	1500	1580	89	94	70-130	5	20	
Toluene	ug/kg	<25.0	1680	1680	1500	1560	89	92	80-121	4	20	
4-Bromofluorobenzene (S)	%						80	83	54-126			
Dibromofluoromethane (S)	%						73	73	57-146			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1883342 1883343

Parameter	Units	40189032003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						72	75	64-134			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

QC Batch: 324518 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Associated Lab Samples: 40189323001, 40189323008, 40189323009, 40189323010, 40189323011, 40189323012, 40189323013, 40189323014

METHOD BLANK: 1883930 Matrix: Solid
Associated Lab Samples: 40189323001, 40189323008, 40189323009, 40189323010, 40189323011, 40189323012, 40189323013, 40189323014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	06/17/19 17:53	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	06/17/19 17:53	
Benzene	ug/kg	<9.2	20.0	06/17/19 17:53	
Ethylbenzene	ug/kg	<12.4	50.0	06/17/19 17:53	
m&p-Xylene	ug/kg	<34.4	100	06/17/19 17:53	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	06/17/19 17:53	
Naphthalene	ug/kg	<40.0	250	06/17/19 17:53	
o-Xylene	ug/kg	<14.0	50.0	06/17/19 17:53	
Toluene	ug/kg	<11.2	50.0	06/17/19 17:53	
4-Bromofluorobenzene (S)	%	104	54-126	06/17/19 17:53	
Dibromofluoromethane (S)	%	97	57-146	06/17/19 17:53	
Toluene-d8 (S)	%	97	64-134	06/17/19 17:53	

LABORATORY CONTROL SAMPLE: 1883931

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2460	98	70-130	
Ethylbenzene	ug/kg	2500	2240	90	82-122	
m&p-Xylene	ug/kg	5000	4540	91	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2550	102	70-130	
o-Xylene	ug/kg	2500	2260	90	70-130	
Toluene	ug/kg	2500	2270	91	80-121	
4-Bromofluorobenzene (S)	%			101	54-126	
Dibromofluoromethane (S)	%			94	57-146	
Toluene-d8 (S)	%			93	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1883932 1883933

Parameter	Units	40189427001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<25.0	1430	1430	1420	1480	100	103	70-130	4	20	
Ethylbenzene	ug/kg	<25.0	1430	1430	1280	1370	88	94	80-122	7	20	
m&p-Xylene	ug/kg	1310	2860	2860	4100	4380	98	107	70-130	7	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1430	1430	1510	1540	106	108	70-130	2	20	
o-Xylene	ug/kg	294	1430	1430	1650	1760	95	102	70-130	6	20	
Toluene	ug/kg	<25.0	1430	1430	1290	1410	89	97	80-121	8	20	
4-Bromofluorobenzene (S)	%						102	107	54-126			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1883932 1883933

Parameter	Units	40189427001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Dibromofluoromethane (S)	%						99	100	57-146			
Toluene-d8 (S)	%						93	97	64-134			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

QC Batch: 324602
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV
Associated Lab Samples: 40189323015

METHOD BLANK: 1884617
Matrix: Water
Associated Lab Samples: 40189323015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	06/17/19 11:57	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	06/17/19 11:57	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	06/17/19 11:57	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	06/17/19 11:57	
1,1-Dichloroethane	ug/L	<0.27	1.0	06/17/19 11:57	
1,1-Dichloroethene	ug/L	<0.24	1.0	06/17/19 11:57	
1,1-Dichloropropene	ug/L	<0.54	1.8	06/17/19 11:57	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	06/17/19 11:57	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	06/17/19 11:57	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	06/17/19 11:57	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	06/17/19 11:57	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	06/17/19 11:57	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	06/17/19 11:57	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	06/17/19 11:57	
1,2-Dichloroethane	ug/L	<0.28	1.0	06/17/19 11:57	
1,2-Dichloropropane	ug/L	<0.28	1.0	06/17/19 11:57	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	06/17/19 11:57	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	06/17/19 11:57	
1,3-Dichloropropane	ug/L	<0.83	2.8	06/17/19 11:57	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	06/17/19 11:57	
2,2-Dichloropropane	ug/L	<2.3	7.6	06/17/19 11:57	
2-Chlorotoluene	ug/L	<0.93	5.0	06/17/19 11:57	
4-Chlorotoluene	ug/L	<0.76	2.5	06/17/19 11:57	
Benzene	ug/L	<0.25	1.0	06/17/19 11:57	
Bromobenzene	ug/L	<0.24	1.0	06/17/19 11:57	
Bromochloromethane	ug/L	<0.36	5.0	06/17/19 11:57	
Bromodichloromethane	ug/L	<0.36	1.2	06/17/19 11:57	
Bromoform	ug/L	<4.0	13.2	06/17/19 11:57	
Bromomethane	ug/L	<0.97	5.0	06/17/19 11:57	
Carbon tetrachloride	ug/L	<0.17	1.0	06/17/19 11:57	
Chlorobenzene	ug/L	<0.71	2.4	06/17/19 11:57	
Chloroethane	ug/L	<1.3	5.0	06/17/19 11:57	
Chloroform	ug/L	<1.3	5.0	06/17/19 11:57	
Chloromethane	ug/L	<2.2	7.3	06/17/19 11:57	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	06/17/19 11:57	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	06/17/19 11:57	
Dibromochloromethane	ug/L	<2.6	8.7	06/17/19 11:57	
Dibromomethane	ug/L	<0.94	3.1	06/17/19 11:57	
Dichlorodifluoromethane	ug/L	<0.50	5.0	06/17/19 11:57	
Diisopropyl ether	ug/L	<1.9	6.3	06/17/19 11:57	
Ethylbenzene	ug/L	<0.22	1.0	06/17/19 11:57	

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QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

METHOD BLANK: 1884617 Matrix: Water
Associated Lab Samples: 40189323015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	06/17/19 11:57	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	06/17/19 11:57	
m&p-Xylene	ug/L	<0.47	2.0	06/17/19 11:57	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	06/17/19 11:57	
Methylene Chloride	ug/L	<0.58	5.0	06/17/19 11:57	
n-Butylbenzene	ug/L	<0.71	2.4	06/17/19 11:57	
n-Propylbenzene	ug/L	<0.81	5.0	06/17/19 11:57	
Naphthalene	ug/L	<1.2	5.0	06/17/19 11:57	
o-Xylene	ug/L	<0.26	1.0	06/17/19 11:57	
p-Isopropyltoluene	ug/L	<0.80	2.7	06/17/19 11:57	
sec-Butylbenzene	ug/L	<0.85	5.0	06/17/19 11:57	
Styrene	ug/L	<0.47	1.6	06/17/19 11:57	
tert-Butylbenzene	ug/L	<0.30	1.0	06/17/19 11:57	
Tetrachloroethene	ug/L	<0.33	1.1	06/17/19 11:57	
Toluene	ug/L	<0.17	5.0	06/17/19 11:57	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	06/17/19 11:57	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	06/17/19 11:57	
Trichloroethene	ug/L	<0.26	1.0	06/17/19 11:57	
Trichlorofluoromethane	ug/L	<0.21	1.0	06/17/19 11:57	
Vinyl chloride	ug/L	<0.17	1.0	06/17/19 11:57	
4-Bromofluorobenzene (S)	%	96	70-130	06/17/19 11:57	
Dibromofluoromethane (S)	%	109	70-130	06/17/19 11:57	
Toluene-d8 (S)	%	98	70-130	06/17/19 11:57	

LABORATORY CONTROL SAMPLE: 1884618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.0	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	47.0	94	70-130	
1,1,2-Trichloroethane	ug/L	50	49.5	99	70-130	
1,1-Dichloroethane	ug/L	50	54.1	108	73-150	
1,1-Dichloroethene	ug/L	50	55.3	111	73-138	
1,2,4-Trichlorobenzene	ug/L	50	45.7	91	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	35.2	70	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	46.5	93	70-130	
1,2-Dichlorobenzene	ug/L	50	48.7	97	70-130	
1,2-Dichloroethane	ug/L	50	52.8	106	75-140	
1,2-Dichloropropane	ug/L	50	53.3	107	73-135	
1,3-Dichlorobenzene	ug/L	50	49.0	98	70-130	
1,4-Dichlorobenzene	ug/L	50	49.3	99	70-130	
Benzene	ug/L	50	57.9	116	70-130	
Bromodichloromethane	ug/L	50	48.5	97	70-130	
Bromoform	ug/L	50	35.6	71	68-129	
Bromomethane	ug/L	50	36.2	72	18-159	

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QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

LABORATORY CONTROL SAMPLE: 1884618

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	48.8	98	70-130	
Chlorobenzene	ug/L	50	50.6	101	70-130	
Chloroethane	ug/L	50	50.7	101	53-147	
Chloroform	ug/L	50	53.4	107	74-136	
Chloromethane	ug/L	50	37.8	76	29-115	
cis-1,2-Dichloroethene	ug/L	50	62.3	125	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.1	90	70-130	
Dibromochloromethane	ug/L	50	43.8	88	70-130	
Dichlorodifluoromethane	ug/L	50	37.1	74	10-130	
Ethylbenzene	ug/L	50	52.4	105	80-124	
Isopropylbenzene (Cumene)	ug/L	50	51.9	104	70-130	
m&p-Xylene	ug/L	100	105	105	70-130	
Methyl-tert-butyl ether	ug/L	50	44.1	88	54-137	
Methylene Chloride	ug/L	50	54.6	109	73-138	
o-Xylene	ug/L	50	50.8	102	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	49.5	99	70-130	
Toluene	ug/L	50	51.7	103	80-126	
trans-1,2-Dichloroethene	ug/L	50	54.3	109	73-145	
trans-1,3-Dichloropropene	ug/L	50	40.0	80	70-130	
Trichloroethene	ug/L	50	53.3	107	70-130	
Trichlorofluoromethane	ug/L	50	54.8	110	76-147	
Vinyl chloride	ug/L	50	46.6	93	51-120	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			109	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1884619 1884620

Parameter	Units	40189373002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	67.7	50	50	119	120	102	105	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	47.4	50.5	95	101	70-130	6	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	48.9	51.8	98	104	70-137	6	20	
1,1-Dichloroethane	ug/L	34.4	50	50	85.3	87.3	102	106	73-153	2	20	
1,1-Dichloroethene	ug/L	14.7	50	50	68.0	69.2	107	109	73-138	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	45.7	49.8	91	99	70-130	9	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	36.9	41.7	74	83	58-129	12	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	46.1	49.5	92	99	70-130	7	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	47.6	49.7	95	99	70-130	4	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	51.0	52.8	102	106	75-140	4	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	51.6	52.9	103	106	71-138	3	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	47.7	49.5	95	99	70-130	4	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	48.2	50.0	96	100	70-130	4	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1884619 1884620

Parameter	Units	40189373002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	55.4	57.0	111	114	70-130	3	20	
Bromodichloromethane	ug/L	<0.36	50	50	47.4	49.5	95	99	70-130	4	20	
Bromoform	ug/L	<4.0	50	50	36.2	38.8	72	78	68-129	7	20	
Bromomethane	ug/L	<0.97	50	50	40.6	42.0	81	84	15-170	3	20	
Carbon tetrachloride	ug/L	<0.17	50	50	48.8	50.3	98	101	70-130	3	20	
Chlorobenzene	ug/L	<0.71	50	50	48.6	50.5	97	101	70-130	4	20	
Chloroethane	ug/L	<1.3	50	50	48.2	49.5	96	99	51-148	3	20	
Chloroform	ug/L	<1.3	50	50	51.9	52.8	103	105	74-136	2	20	
Chloromethane	ug/L	<2.2	50	50	37.5	37.5	75	75	23-115	0	20	
cis-1,2-Dichloroethene	ug/L	26.2	50	50	85.9	87.9	119	123	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	44.6	46.6	89	93	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	43.7	46.1	87	92	70-130	5	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	33.0	33.8	66	68	10-132	3	20	
Ethylbenzene	ug/L	<0.22	50	50	50.6	52.6	101	105	80-125	4	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	50.0	51.9	100	104	70-130	4	20	
m&p-Xylene	ug/L	<0.47	100	100	102	105	102	105	70-130	4	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	44.0	46.1	88	92	51-145	5	20	
Methylene Chloride	ug/L	<0.58	50	50	52.7	54.0	105	108	73-140	2	20	
o-Xylene	ug/L	<0.26	50	50	49.2	51.5	98	103	70-130	5	20	
Styrene	ug/L	<0.47	50	50	50.3	52.5	101	105	70-130	4	20	
Tetrachloroethene	ug/L	150	50	50	203	205	106	110	70-130	1	20	
Toluene	ug/L	<0.17	50	50	50.2	51.8	100	104	80-131	3	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	52.4	54.1	104	108	73-148	3	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	40.2	42.6	80	85	70-130	6	20	
Trichloroethene	ug/L	9.8	50	50	61.6	63.5	103	107	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	51.5	52.6	103	105	74-147	2	20	
Vinyl chloride	ug/L	<0.17	50	50	44.5	45.5	89	91	41-129	2	20	
4-Bromofluorobenzene (S)	%						99	100	70-130			
Dibromofluoromethane (S)	%						110	109	70-130			
Toluene-d8 (S)	%						98	100	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

QC Batch: 324622 Analysis Method: WI MOD DRO
QC Batch Method: WI MOD DRO Analysis Description: WIDRO GCS
Associated Lab Samples: 40189323004

METHOD BLANK: 1884689 Matrix: Solid
Associated Lab Samples: 40189323004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Range Organics	mg/kg	<1.3	4.4	06/18/19 08:47	

LABORATORY CONTROL SAMPLE & LCSD: 1884690 1884691

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Diesel Range Organics	mg/kg	40	36.3	39.4	91	98	70-120	8	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

QC Batch: 324270
QC Batch Method: ASTM D2974-87
Associated Lab Samples: 40189323010

Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture

SAMPLE DUPLICATE: 1882605

Parameter	Units	40189323010 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.0	23.4	3	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

QC Batch: 324278
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40189323013

SAMPLE DUPLICATE: 1882619

Parameter	Units	40189323013 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.7	22.8	1	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

QC Batch: 324431 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40189323001, 40189323002, 40189323003, 40189323004, 40189323005, 40189323006, 40189323007, 40189323008, 40189323009, 40189323011

SAMPLE DUPLICATE: 1883666

Parameter	Units	40189318008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.5	16.0	3	10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: RATH PROPERTY
Pace Project No.: 40189323

QC Batch: 324528
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40189323012, 40189323014

SAMPLE DUPLICATE: 1883974

Parameter	Units	40189327003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.5	19.2	2	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: RATH PROPERTY
Pace Project No.: 40189323

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

C4	Sample container did not meet EPA or method requirements.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D5	The sample was re-weighed into a new container because the sample weight in the original container exceeded the method specifications.
GO	Early and late peaks present outside the GRO window.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: RATH PROPERTY
Pace Project No.: 40189323

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40189323004	**B-2, 12'**	WI MOD DRO	324622	WI MOD DRO	324725
40189323002	**B-1, 9'**	TPH GRO/PVOC WI ext.	324303	WI MOD GRO	324404
40189323002	**B-1, 9'**	EPA 3050	324324	EPA 6010	324435
40189323004	**B-2, 12'**	EPA 3050	324324	EPA 6010	324435
40189323005	**B-2, 15'**	EPA 3050	324324	EPA 6010	324435
40189323001	**B-1, 7'**	EPA 5035/5030B	324518	EPA 8260	324519
40189323003	**B-2, 8'**	EPA 5035/5030B	324367	EPA 8260	324368
40189323004	**B-2, 12'**	EPA 5035/5030B	324367	EPA 8260	324368
40189323005	**B-2, 15'**	EPA 5035/5030B	324367	EPA 8260	324368
40189323006	**B-3, 8'**	EPA 5035/5030B	324367	EPA 8260	324368
40189323007	**B-3, 11'**	EPA 5035/5030B	324367	EPA 8260	324368
40189323008	**B-4, 10'**	EPA 5035/5030B	324518	EPA 8260	324519
40189323009	**B-5, 8'**	EPA 5035/5030B	324518	EPA 8260	324519
40189323010	**B-6, 8'**	EPA 5035/5030B	324518	EPA 8260	324519
40189323011	**B-6, 9.5'**	EPA 5035/5030B	324518	EPA 8260	324519
40189323012	**B-5, 10'**	EPA 5035/5030B	324518	EPA 8260	324519
40189323013	**B-7, 8'**	EPA 5035/5030B	324518	EPA 8260	324519
40189323014	**B-7, 9.5'**	EPA 5035/5030B	324518	EPA 8260	324519
40189323015	**WATER WELL**	EPA 8260	324602		
40189323001	**B-1, 7'**	ASTM D2974-87	324431		
40189323002	**B-1, 9'**	ASTM D2974-87	324431		
40189323003	**B-2, 8'**	ASTM D2974-87	324431		
40189323004	**B-2, 12'**	ASTM D2974-87	324431		
40189323005	**B-2, 15'**	ASTM D2974-87	324431		
40189323006	**B-3, 8'**	ASTM D2974-87	324431		
40189323007	**B-3, 11'**	ASTM D2974-87	324431		
40189323008	**B-4, 10'**	ASTM D2974-87	324431		
40189323009	**B-5, 8'**	ASTM D2974-87	324431		
40189323010	**B-6, 8'**	ASTM D2974-87	324270		
40189323011	**B-6, 9.5'**	ASTM D2974-87	324431		
40189323012	**B-5, 10'**	ASTM D2974-87	324528		
40189323013	**B-7, 8'**	ASTM D2974-87	324278		
40189323014	**B-7, 9.5'**	ASTM D2974-87	324528		

REPORT OF LABORATORY ANALYSIS

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical®
www.pacelabs.com

CHAIN OF CUSTODY

4089323

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Sumon
Branch/Location:	
Project Contact:	Robyn Sumon
Phone:	6082259407
Project Number:	
Project Name:	Rath Property
Project State:	Wisconsin
Sampled By (Print):	Robyn Sumon
Sampled By (Sign):	Robyn Sumon
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Robyn Sumon
Mail To Company:	Sumon Env
Mail To Address:	2531 Dyreson McFarland, WI
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC+Naph	C-3201AVOC+Naph	DRO	Lead	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	B-1, 7'	6/7	1000	SOIL			X						
002	B-1, 9'		1010				X	X		X			
003	B-2, 8'		1018				X						
004	B-2, 12'		1020				X		X	X	out from T.S. wont		
005	B-2, 15'		1025				X			X			
006	B-3, 8'		1040				X						
007	B-3, 11'		1045				X						
008	B-4, 10'		1100				X						
009	B-5, 8'		1115				X						
010	B-6, 8'		1145				X						
011	B-6, 9 1/2		1150				X						
012	B-5, 10'		1120				X						
013	B-7, 8'		1200				X						

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Robyn Sumon	6/11 1300		
Relinquished By:	Date/Time:	Received By:	Date/Time:
CS Logistics	6-12-19 0955	Susan Kluge Pace	6-12-19 0955
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No.
40189323
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

Pace Analytical
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 2

40189323

CHAIN OF CUSTODY

(Please Print Clearly)	
Company Name:	Seymour ENV.
Branch/Location:	
Project Contact:	Robyn Seymour
Phone:	608 225 9407
Project Number:	
Project Name:	Rath Property
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO #:	Regulatory Program:

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Seymour
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: RSK + Naph	VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
014	B-7, 9'12	6/7	1210	S			X				
015	Water Well	6/7	1300	DW			X	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Robyn Seymour	6/11 1300		
C&D Logistics	6/12/19 0955	Susan Kelly Pace	6/12/19 0955
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. 40189323
Receipt Temp = Rox °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / ~~Not Present~~ Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Sample Preservation Receipt Form

Client Name: Seymour

Project # 401893323

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

All containers needing preservation have been checked and noted below: □Yes □No ☑N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/ Time:

	Glass							Plastic							Vials						Jars			General							
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
001																			1				1										2.5 / 5 / 10
002																			1				1										2.5 / 5 / 10
003																			1				1										2.5 / 5 / 10
004																			1				1										2.5 / 5 / 10
005																			1				1										2.5 / 5 / 10
006																			1				1										2.5 / 5 / 10
007																			1				1										2.5 / 5 / 10
008																			1				1										2.5 / 5 / 10
009																			1				1										2.5 / 5 / 10
010																			1				1										2.5 / 5 / 10
011																			1				1										2.5 / 5 / 10
012																			1				1										2.5 / 5 / 10
013																			1				1										2.5 / 5 / 10
014																			1				1										2.5 / 5 / 10
015																		3									2						2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

6/12/19 SUL

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes □No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Seymour Env. **Project #:**

WO#: 40189323

40189323

Courier: ☒ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 1995 0611 19

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - N/A **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 6-12-19 SW
Initials:

Chain of Custody Present:	☑Yes ☐No ☐N/A	1. CC 6/12/19 SW
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☑No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☐Yes ☑No MS/MSD: ☐Yes ☑No ☐N/A		8. No DRO container for .004. 6/12/19 SW
Correct Containers Used:	☐Yes ☑No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: S+W	☐Yes ☐No ☐N/A	12. .011 - ID is 9½; .012 - ID is B5 on Yorpply and the .Vials ID is B5 8½, .015 - ID is Water Supply 6/12/19 SW
Trip Blank Present:	☐Yes ☐No ☑N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: AL for DM **Date:** 6/12/19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 07, 2019

Robyn Seymour
Seymour Environmental Services, INC.
2531 Dyreson Road
Mc Farland, WI 53558

RE: Project: RATH/ RISU INC
Pace Project No.: 40197905

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on October 24, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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CERTIFICATIONS

Project: RATH/ RISU INC
Pace Project No.: 40197905

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: RATH/ RISU INC
Pace Project No.: 40197905

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40197905001	**#1 8'**	Solid	10/21/19 10:00	10/24/19 08:50
40197905002	**#2 9'**	Solid	10/21/19 10:20	10/24/19 08:50
40197905003	**#3 10'**	Solid	10/21/19 10:45	10/24/19 08:50
40197905004	**#4 9'**	Solid	10/21/19 17:15	10/24/19 08:50
40197905005	**#5 10'**	Solid	10/21/19 17:30	10/24/19 08:50
40197905006	**#6, 10**	Solid	10/22/19 07:00	10/24/19 08:50
40197905007	**#7, 9**	Solid	10/22/19 09:00	10/24/19 08:50
40197905008	**#8, 10**	Solid	10/22/19 10:00	10/24/19 08:50
40197905009	**#9, 10**	Solid	10/22/19 11:15	10/24/19 08:50
40197905010	**#10, 10**	Solid	10/22/19 11:30	10/24/19 08:50

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SAMPLE ANALYTE COUNT

Project: RATH/ RISU INC
Pace Project No.: 40197905

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40197905001	**#1 8'**	EPA 8260	ALD	12
		ASTM D2974-87	AH	1
40197905002	**#2 9'**	EPA 8260	ALD	12
		ASTM D2974-87	AH	1
40197905003	**#3 10'**	EPA 8260	ALD	12
		ASTM D2974-87	AH	1
40197905004	**#4 9'**	EPA 8260	ALD	12
		ASTM D2974-87	AH	1
40197905005	**#5 10'**	EPA 8260	ALD	12
		ASTM D2974-87	AH	1
40197905006	**#6, 10**	EPA 8260	ALD	12
		ASTM D2974-87	AH	1
40197905007	**#7, 9**	EPA 8260	ALD	12
		ASTM D2974-87	AH	1
40197905008	**#8, 10**	EPA 8260	ALD	12
		ASTM D2974-87	AH	1
40197905009	**#9, 10**	EPA 8260	ALD	12
		ASTM D2974-87	AH	1
40197905010	**#10, 10**	EPA 8260	ALD	12
		ASTM D2974-87	AH	1

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SUMMARY OF DETECTION

Project: RATH/ RISU INC
Pace Project No.: 40197905

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40197905001	**#1 8'**					
ASTM D2974-87	Percent Moisture	24.3	%	0.10	11/06/19 10:13	
40197905002	**#2 9'**					
ASTM D2974-87	Percent Moisture	24.1	%	0.10	11/06/19 10:13	
40197905003	**#3 10'**					
ASTM D2974-87	Percent Moisture	24.5	%	0.10	11/06/19 10:13	
40197905004	**#4 9'**					
ASTM D2974-87	Percent Moisture	24.3	%	0.10	11/06/19 10:13	
40197905005	**#5 10'**					
ASTM D2974-87	Percent Moisture	22.9	%	0.10	11/06/19 10:13	
40197905006	**#6, 10**					
ASTM D2974-87	Percent Moisture	30.7	%	0.10	11/06/19 10:13	
40197905007	**#7, 9**					
ASTM D2974-87	Percent Moisture	24.0	%	0.10	11/06/19 10:13	
40197905008	**#8, 10**					
EPA 8260	Naphthalene	119J	ug/kg	322	11/02/19 15:12	
EPA 8260	1,2,4-Trimethylbenzene	153	ug/kg	77.3	11/02/19 15:12	
EPA 8260	1,3,5-Trimethylbenzene	69.1J	ug/kg	77.3	11/02/19 15:12	
ASTM D2974-87	Percent Moisture	22.4	%	0.10	11/06/19 10:13	
40197905009	**#9, 10**					
EPA 8260	1,2,4-Trimethylbenzene	1980	ug/kg	617	11/02/19 15:35	
EPA 8260	1,3,5-Trimethylbenzene	1010	ug/kg	617	11/02/19 15:35	
ASTM D2974-87	Percent Moisture	22.2	%	0.10	11/06/19 10:13	
40197905010	**#10, 10**					
ASTM D2974-87	Percent Moisture	21.7	%	0.10	11/06/19 10:42	

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ANALYTICAL RESULTS

Project: RATH/ RISU INC
Pace Project No.: 40197905

Sample: #1 8' **Lab ID: 40197905001** Collected: 10/21/19 10:00 Received: 10/24/19 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:30	11/02/19 00:25	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:30	11/02/19 00:25	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:30	11/02/19 00:25	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	10/30/19 10:30	11/02/19 00:25	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:30	11/02/19 00:25	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:30	11/02/19 00:25	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:30	11/02/19 00:25	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	10/30/19 10:30	11/02/19 00:25	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:30	11/02/19 00:25	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	57-146		1	10/30/19 10:30	11/02/19 00:25	1868-53-7	
4-Bromofluorobenzene (S)	99	%	54-126		1	10/30/19 10:30	11/02/19 00:25	460-00-4	
Toluene-d8 (S)	112	%	64-134		1	10/30/19 10:30	11/02/19 00:25	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.3**	%	0.10	0.10	1		11/06/19 10:13		

Sample: #2 9' **Lab ID: 40197905002** Collected: 10/21/19 10:20 Received: 10/24/19 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/04/19 09:11	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/04/19 09:11	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/04/19 09:11	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	10/30/19 10:45	11/04/19 09:11	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/04/19 09:11	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/04/19 09:11	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/04/19 09:11	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	10/30/19 10:45	11/04/19 09:11	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/04/19 09:11	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	87	%	57-146		1	10/30/19 10:45	11/04/19 09:11	1868-53-7	
4-Bromofluorobenzene (S)	83	%	54-126		1	10/30/19 10:45	11/04/19 09:11	460-00-4	
Toluene-d8 (S)	95	%	64-134		1	10/30/19 10:45	11/04/19 09:11	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.1**	%	0.10	0.10	1		11/06/19 10:13		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(920)469-2436

ANALYTICAL RESULTS

Project: RATH/ RISU INC
Pace Project No.: 40197905

Sample: #3 10' **Lab ID: 40197905003** Collected: 10/21/19 10:45 Received: 10/24/19 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 15:55	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 15:55	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 15:55	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	10/30/19 10:45	11/02/19 15:55	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 15:55	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 15:55	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 15:55	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	10/30/19 10:45	11/02/19 15:55	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 15:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	57-146		1	10/30/19 10:45	11/02/19 15:55	1868-53-7	
4-Bromofluorobenzene (S)	94	%	54-126		1	10/30/19 10:45	11/02/19 15:55	460-00-4	
Toluene-d8 (S)	107	%	64-134		1	10/30/19 10:45	11/02/19 15:55	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.5**	%	0.10	0.10	1		11/06/19 10:13		

Sample: #4 9' **Lab ID: 40197905004** Collected: 10/21/19 17:15 Received: 10/24/19 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:18	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:18	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:18	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	10/30/19 10:45	11/02/19 16:18	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:18	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:18	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:18	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	10/30/19 10:45	11/02/19 16:18	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:18	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	57-146		1	10/30/19 10:45	11/02/19 16:18	1868-53-7	
4-Bromofluorobenzene (S)	88	%	54-126		1	10/30/19 10:45	11/02/19 16:18	460-00-4	
Toluene-d8 (S)	101	%	64-134		1	10/30/19 10:45	11/02/19 16:18	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.3**	%	0.10	0.10	1		11/06/19 10:13		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: RATH/ RISU INC
Pace Project No.: 40197905

Sample: #5 10' **Lab ID: 40197905005** Collected: 10/21/19 17:30 Received: 10/24/19 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:40	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:40	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:40	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	10/30/19 10:45	11/02/19 16:40	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:40	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:40	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	10/30/19 10:45	11/02/19 16:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 16:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	57-146		1	10/30/19 10:45	11/02/19 16:40	1868-53-7	
4-Bromofluorobenzene (S)	100	%	54-126		1	10/30/19 10:45	11/02/19 16:40	460-00-4	
Toluene-d8 (S)	115	%	64-134		1	10/30/19 10:45	11/02/19 16:40	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.9**	%	0.10	0.10	1		11/06/19 10:13		

Sample: #6, 10 **Lab ID: 40197905006** Collected: 10/22/19 07:00 Received: 10/24/19 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:03	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:03	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:03	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	10/30/19 10:45	11/02/19 17:03	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:03	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:03	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:03	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	10/30/19 10:45	11/02/19 17:03	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:03	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	57-146		1	10/30/19 10:45	11/02/19 17:03	1868-53-7	
4-Bromofluorobenzene (S)	95	%	54-126		1	10/30/19 10:45	11/02/19 17:03	460-00-4	
Toluene-d8 (S)	109	%	64-134		1	10/30/19 10:45	11/02/19 17:03	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**30.7**	%	0.10	0.10	1		11/06/19 10:13		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: RATH/ RISU INC
Pace Project No.: 40197905

Sample: #7, 9 **Lab ID: 40197905007** Collected: 10/22/19 09:00 Received: 10/24/19 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:25	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:25	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:25	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	10/30/19 10:45	11/02/19 17:25	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:25	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:25	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:25	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	10/30/19 10:45	11/02/19 17:25	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	10/30/19 10:45	11/02/19 17:25	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	57-146		1	10/30/19 10:45	11/02/19 17:25	1868-53-7	
4-Bromofluorobenzene (S)	95	%	54-126		1	10/30/19 10:45	11/02/19 17:25	460-00-4	
Toluene-d8 (S)	110	%	64-134		1	10/30/19 10:45	11/02/19 17:25	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**24.0**	%	0.10	0.10	1		11/06/19 10:13		

Sample: #8, 10 **Lab ID: 40197905008** Collected: 10/22/19 10:00 Received: 10/24/19 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 15:12	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 15:12	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 15:12	1634-04-4	W
Naphthalene	**119J**	ug/kg	322	51.6	1	11/01/19 12:00	11/02/19 15:12	91-20-3	
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 15:12	108-88-3	W
1,2,4-Trimethylbenzene	**153**	ug/kg	77.3	32.2	1	11/01/19 12:00	11/02/19 15:12	95-63-6	
1,3,5-Trimethylbenzene	**69.1J**	ug/kg	77.3	32.2	1	11/01/19 12:00	11/02/19 15:12	108-67-8	
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/01/19 12:00	11/02/19 15:12	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 15:12	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	57-146		1	11/01/19 12:00	11/02/19 15:12	1868-53-7	
4-Bromofluorobenzene (S)	104	%	54-126		1	11/01/19 12:00	11/02/19 15:12	460-00-4	
Toluene-d8 (S)	107	%	64-134		1	11/01/19 12:00	11/02/19 15:12	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.4**	%	0.10	0.10	1		11/06/19 10:13		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: RATH/ RISU INC
Pace Project No.: 40197905

Sample: #9, 10 **Lab ID: 40197905009** Collected: 10/22/19 11:15 Received: 10/24/19 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<200**	ug/kg	480	200	8	11/01/19 12:00	11/02/19 15:35	71-43-2	W
Ethylbenzene	**<200**	ug/kg	480	200	8	11/01/19 12:00	11/02/19 15:35	100-41-4	W
Methyl-tert-butyl ether	**<200**	ug/kg	480	200	8	11/01/19 12:00	11/02/19 15:35	1634-04-4	W
Naphthalene	**<320**	ug/kg	2000	320	8	11/01/19 12:00	11/02/19 15:35	91-20-3	W
Toluene	**<200**	ug/kg	480	200	8	11/01/19 12:00	11/02/19 15:35	108-88-3	W
1,2,4-Trimethylbenzene	**1980**	ug/kg	617	257	8	11/01/19 12:00	11/02/19 15:35	95-63-6	
1,3,5-Trimethylbenzene	**1010**	ug/kg	617	257	8	11/01/19 12:00	11/02/19 15:35	108-67-8	
m&p-Xylene	**<400**	ug/kg	960	400	8	11/01/19 12:00	11/02/19 15:35	179601-23-1	W
o-Xylene	**<200**	ug/kg	480	200	8	11/01/19 12:00	11/02/19 15:35	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	57-146		8	11/01/19 12:00	11/02/19 15:35	1868-53-7	D3
4-Bromofluorobenzene (S)	90	%	54-126		8	11/01/19 12:00	11/02/19 15:35	460-00-4	
Toluene-d8 (S)	92	%	64-134		8	11/01/19 12:00	11/02/19 15:35	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**22.2**	%	0.10	0.10	1		11/06/19 10:13		

Sample: #10, 10 **Lab ID: 40197905010** Collected: 10/22/19 11:30 Received: 10/24/19 08:50 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 13:40	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 13:40	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 13:40	1634-04-4	W
Naphthalene	**<40.0**	ug/kg	250	40.0	1	11/01/19 12:00	11/02/19 13:40	91-20-3	W
Toluene	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 13:40	108-88-3	W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 13:40	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 13:40	108-67-8	W
m&p-Xylene	**<50.0**	ug/kg	120	50.0	1	11/01/19 12:00	11/02/19 13:40	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	60.0	25.0	1	11/01/19 12:00	11/02/19 13:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-146		1	11/01/19 12:00	11/02/19 13:40	1868-53-7	
4-Bromofluorobenzene (S)	97	%	54-126		1	11/01/19 12:00	11/02/19 13:40	460-00-4	
Toluene-d8 (S)	103	%	64-134		1	11/01/19 12:00	11/02/19 13:40	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**21.7**	%	0.10	0.10	1		11/06/19 10:42		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH/ RISU INC
Pace Project No.: 40197905

QC Batch: 339180
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Short List
Associated Lab Samples: 40197905001

METHOD BLANK: 1969869
Matrix: Solid
Associated Lab Samples: 40197905001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	10/31/19 10:52	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	10/31/19 10:52	
Benzene	ug/kg	<9.2	20.0	10/31/19 10:52	
Ethylbenzene	ug/kg	<12.4	50.0	10/31/19 10:52	
m&p-Xylene	ug/kg	<34.4	100	10/31/19 10:52	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	10/31/19 10:52	
Naphthalene	ug/kg	<40.0	250	10/31/19 10:52	
o-Xylene	ug/kg	<14.0	50.0	10/31/19 10:52	
Toluene	ug/kg	<11.2	50.0	10/31/19 10:52	
4-Bromofluorobenzene (S)	%	94	54-126	10/31/19 10:52	
Dibromofluoromethane (S)	%	98	57-146	10/31/19 10:52	
Toluene-d8 (S)	%	107	64-134	10/31/19 10:52	

LABORATORY CONTROL SAMPLE: 1969870

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2440	98	70-130	
Ethylbenzene	ug/kg	2500	2590	103	82-122	
m&p-Xylene	ug/kg	5000	5390	108	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2660	106	70-130	
o-Xylene	ug/kg	2500	2630	105	70-130	
Toluene	ug/kg	2500	2720	109	80-121	
4-Bromofluorobenzene (S)	%			101	54-126	
Dibromofluoromethane (S)	%			97	57-146	
Toluene-d8 (S)	%			108	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1969871 1969872

Parameter	Units	40198062034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<23.4	1460	1460	1450	1380	99	95	70-130	5	20	
Ethylbenzene	ug/kg	<58.4	1460	1460	1460	1410	100	97	80-122	4	20	
m&p-Xylene	ug/kg	<117	2920	2920	3090	2910	106	100	70-130	6	20	
Methyl-tert-butyl ether	ug/kg	<58.4	1460	1460	1470	1530	101	105	70-130	4	20	
o-Xylene	ug/kg	<58.4	1460	1460	1510	1470	103	100	70-130	3	20	
Toluene	ug/kg	<58.4	1460	1460	1590	1540	109	106	80-121	3	20	
4-Bromofluorobenzene (S)	%						90	92	54-126			
Dibromofluoromethane (S)	%						94	91	57-146			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH/ RISU INC
Pace Project No.: 40197905

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1969871 1969872

Parameter	Units	40198062034 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene-d8 (S)	%						99	101	64-134			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH/ RISU INC
Pace Project No.: 40197905

QC Batch: 339199 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Associated Lab Samples: 40197905002, 40197905003, 40197905004, 40197905005, 40197905006, 40197905007

METHOD BLANK: 1970010 Matrix: Solid
Associated Lab Samples: 40197905002, 40197905003, 40197905004, 40197905005, 40197905006, 40197905007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	11/01/19 18:22	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	11/01/19 18:22	
Benzene	ug/kg	<9.2	20.0	11/01/19 18:22	
Ethylbenzene	ug/kg	<12.4	50.0	11/01/19 18:22	
m&p-Xylene	ug/kg	<34.4	100	11/01/19 18:22	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	11/01/19 18:22	
Naphthalene	ug/kg	<40.0	250	11/01/19 18:22	
o-Xylene	ug/kg	<14.0	50.0	11/01/19 18:22	
Toluene	ug/kg	<11.2	50.0	11/01/19 18:22	
4-Bromofluorobenzene (S)	%	97	54-126	11/01/19 18:22	
Dibromofluoromethane (S)	%	98	57-146	11/01/19 18:22	
Toluene-d8 (S)	%	108	64-134	11/01/19 18:22	

LABORATORY CONTROL SAMPLE: 1970011

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2600	104	70-130	
Ethylbenzene	ug/kg	2500	2600	104	82-122	
m&p-Xylene	ug/kg	5000	5430	109	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2650	106	70-130	
o-Xylene	ug/kg	2500	2640	105	70-130	
Toluene	ug/kg	2500	2720	109	80-121	
4-Bromofluorobenzene (S)	%			98	54-126	
Dibromofluoromethane (S)	%			99	57-146	
Toluene-d8 (S)	%			106	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1970012 1970013

Parameter	Units	40198083002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	<0.012 mg/kg	1620	1620	1590	1570	98	97	70-130	1	20	
Ethylbenzene	ug/kg	<0.016 mg/kg	1620	1620	1580	1500	98	93	80-122	5	20	
m&p-Xylene	ug/kg	<44.6	3240	3240	3250	3260	99	99	70-130	0	20	
Methyl-tert-butyl ether	ug/kg	<0.016 mg/kg	1620	1620	1610	1580	99	98	70-130	1	20	
o-Xylene	ug/kg	<18.1	1620	1620	1590	1570	98	97	70-130	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH/ RISU INC
Pace Project No.: 40197905

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1970012 1970013

Parameter	Units	40198083002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Toluene	ug/kg	<0.015 mg/kg	1620	1620	1660	1630	103	101	80-121	2	20	
4-Bromofluorobenzene (S)	%						96	93	54-126			
Dibromofluoromethane (S)	%						94	93	57-146			
Toluene-d8 (S)	%						99	100	64-134			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH/ RISU INC
Pace Project No.: 40197905

QC Batch: 339458 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Short List
Associated Lab Samples: 40197905008, 40197905009, 40197905010

METHOD BLANK: 1971441 Matrix: Solid
Associated Lab Samples: 40197905008, 40197905009, 40197905010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	11/01/19 16:45	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	11/01/19 16:45	
Benzene	ug/kg	<9.2	20.0	11/01/19 16:45	
Ethylbenzene	ug/kg	<12.4	50.0	11/01/19 16:45	
m&p-Xylene	ug/kg	<34.4	100	11/01/19 16:45	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	11/01/19 16:45	
Naphthalene	ug/kg	<40.0	250	11/01/19 16:45	
o-Xylene	ug/kg	<14.0	50.0	11/01/19 16:45	
Toluene	ug/kg	<11.2	50.0	11/01/19 16:45	
4-Bromofluorobenzene (S)	%	97	54-126	11/01/19 16:45	
Dibromofluoromethane (S)	%	102	57-146	11/01/19 16:45	
Toluene-d8 (S)	%	97	64-134	11/01/19 16:45	

LABORATORY CONTROL SAMPLE: 1971442

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2590	103	70-130	
Ethylbenzene	ug/kg	2500	2650	106	82-122	
m&p-Xylene	ug/kg	5000	5410	108	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2480	99	70-130	
o-Xylene	ug/kg	2500	2580	103	70-130	
Toluene	ug/kg	2500	2630	105	80-121	
4-Bromofluorobenzene (S)	%			102	54-126	
Dibromofluoromethane (S)	%			108	57-146	
Toluene-d8 (S)	%			103	64-134	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH/ RISU INC
Pace Project No.: 40197905

QC Batch: 339825 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40197905001, 40197905002, 40197905003, 40197905004, 40197905005, 40197905006, 40197905007, 40197905008, 40197905009

SAMPLE DUPLICATE: 1973259

Parameter	Units	40197859008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.1	16.7	2	10	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: RATH/ RISU INC
Pace Project No.: 40197905

QC Batch: 339831
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40197905010

SAMPLE DUPLICATE: 1973293

Parameter	Units	40198117009 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	13.5	13.5	0	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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(920)469-2436

QUALIFIERS

Project: RATH/ RISU INC
Pace Project No.: 40197905

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
W	Non-detect results are reported on a wet weight basis.

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Green Bay, WI 54302
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: RATH/ RISU INC
Pace Project No.: 40197905

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40197905001	**#1 8'**	EPA 5035/5030B	339180	EPA 8260	339198
40197905002	**#2 9'**	EPA 5035/5030B	339199	EPA 8260	339200
40197905003	**#3 10'**	EPA 5035/5030B	339199	EPA 8260	339200
40197905004	**#4 9'**	EPA 5035/5030B	339199	EPA 8260	339200
40197905005	**#5 10'**	EPA 5035/5030B	339199	EPA 8260	339200
40197905006	**#6, 10**	EPA 5035/5030B	339199	EPA 8260	339200
40197905007	**#7, 9**	EPA 5035/5030B	339199	EPA 8260	339200
40197905008	**#8, 10**	EPA 5035/5030B	339458	EPA 8260	339459
40197905009	**#9, 10**	EPA 5035/5030B	339458	EPA 8260	339459
40197905010	**#10, 10**	EPA 5035/5030B	339458	EPA 8260	339459
40197905001	**#1 8'**	ASTM D2974-87	339825		
40197905002	**#2 9'**	ASTM D2974-87	339825		
40197905003	**#3 10'**	ASTM D2974-87	339825		
40197905004	**#4 9'**	ASTM D2974-87	339825		
40197905005	**#5 10'**	ASTM D2974-87	339825		
40197905006	**#6, 10**	ASTM D2974-87	339825		
40197905007	**#7, 9**	ASTM D2974-87	339825		
40197905008	**#8, 10**	ASTM D2974-87	339825		
40197905009	**#9, 10**	ASTM D2974-87	339825		
40197905010	**#10, 10**	ASTM D2974-87	339831		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Pace Analytical
www.pacelabs.com

CHAIN OF CUSTODY

40197905

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Seymour ENV
Branch/Location:	
Project Contact:	Robyn Seymour
Phone:	608 225 9407
Project Number:	
Project Name:	Rath / RISU Inc.
Project State:	Wisconsin
Sampled By (Print):	Robyn Seymour
Sampled By (Sign):	Robyn Seymour
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Robyn Seymour
Mail To Company:	Seymour
Mail To Address:	2531 Superior Milton
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water
B = Biota, DW = Drinking Water
C = Charcoal, GW = Ground Water
O = Oil, SW = Surface Water
S = Soil, WW = Waste Water
SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	FILTERED? (YES/NO) Y/N	PRESERVATION (CODE)* Pick Letter	Analyses Requested: PVOC + Naph.	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	#1 8'	10/21	1005	S	N	F	✓			
002	#2 9'		1020				✓			
003	#3 10'		1045				✓			
004	#4 9'		1715				✓			
005	#5 10'		1730				✓			
006	#6, 10	10/22	0700				✓			
007	#7, 9		0900				✓			
008	#8, 10		1000				✓			
009	#9, 10		1115				✓			
010	#10, 10		1130				✓			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Robyn Seymour	10/23 PM		
CS Logistics	10/24/17 0850	[signature] pac.	10/24/17 0850

PACE Project No.: 40197905
Receipt Temp = R01 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / Not Present
Intact / Not Intact

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: Seymour Environmental (RATH/RISU) Project # 40197965

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

Initial when completed: Date/ Time:

Pace Lab #	Glass							Plastic							Vials						Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																			1			1											2.5 / 5 / 10
002																			1			1											2.5 / 5 / 10
003																			1			1											2.5 / 5 / 10
004																			1			1											2.5 / 5 / 10
005																			1			1											2.5 / 5 / 10
006																			1			1											2.5 / 5 / 10
007																			1			1											2.5 / 5 / 10
008																			1			1											2.5 / 5 / 10
009																			1			1											2.5 / 5 / 10
010																			2			1											2.5 / 5 / 10
011																			10														2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

10/24/14 @ 10 24 14 @

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : □Yes ☒No □N/A ***If yes look in headspace column***

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres .
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH .	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

WO# : 40197905

40197905

Client Name: Seymour Environmental (Rath/R1SU)

Courier: ~~Fed~~CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 601.102319

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☒ Other Frozen water bottles/ice

Thermometer Used SR - NA **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr: —

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 10/24/19
Initials: JD

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☐Yes ☒No ☐N/A	2. invoice info Not documented 10/24/19 JD
Chain of Custody Relinquished:	☒Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes ☒No	6.
Rush Turn Around Time Requested:	☐Yes ☒No	7.
Sufficient Volume: For Analysis: ☒Yes ☐No MS/MSD: ☐Yes ☐No ☒N/A		8.
Correct Containers Used:	☒Yes ☐No	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☒N/A	
Containers Intact:	☐Yes ☒No	10. 003, 005, 006, 007, 009 Crack in Covers (4oz plastic) 10/24/19 JD
Filtered volume received for Dissolved tests	☒Yes ☐No ☐N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12. NOTE: All plastic jars sample info written
-Includes date/time/ID/Analysis Matrix: S		on lids/No stickers 10/24/19 JD
Trip Blank Present:	☐Yes ☒No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution: 002, 003, 004, 005 date 10/21/19 007, 008, 009, 010 date 10/22/19

007 matched by collection time (vial noted 1000)

001 002 004 005 007 008 009 010 All vials No depth 10/24/19 JD

Project Manager Review: TMR per DM **Date:** 10/24/19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

March 03, 2020

Robyn Seymour
Seymour Environmental Services, INC.
2531 Dyreson Road
Mc Farland, WI 53558

RE: Project: 10565.00 RATH
Pace Project No.: 40203953

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on February 28, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dan Milewsky
dan.milewsky@pacelabs.com
(920)469-2436
Project Manager

Enclosures

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 10565.00 RATH
Pace Project No.: 40203953

Pace Analytical Services Green Bay
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: 10565.00 RATH
Pace Project No.: 40203953

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40203953001	**MW-3**	Water	02/24/20 13:20	02/28/20 08:10
40203953002	**MW-1**	Water	02/24/20 13:10	02/28/20 08:10
40203953003	**MW-2**	Water	02/24/20 13:40	02/28/20 08:10
40203953004	**WATER SUPPLY**	Water	02/24/20 12:00	02/28/20 08:10

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SAMPLE ANALYTE COUNT

Project: 10565.00 RATH
Pace Project No.: 40203953

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40203953001	**MW-3**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	64	PASI-G
40203953002	**MW-1**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	64	PASI-G
40203953003	**MW-2**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	64	PASI-G
40203953004	**WATER SUPPLY**	EPA 8260	HNW	64	PASI-G

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Green Bay, WI 54302
(920)469-2436

SUMMARY OF DETECTION

Project: 10565.00 RATH
Pace Project No.: 40203953

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40203953001	**MW-3**					
EPA 8260	Toluene	0.95	ug/L	0.90	03/02/20 16:43	
40203953002	**MW-1**					
EPA 8270 by HVI	Naphthalene	0.028J	ug/L	0.083	03/02/20 14:30	

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 10565.00 RATH
Pace Project No.: 40203953

Sample: MW-3 **Lab ID: 40203953001** Collected: 02/24/20 13:20 Received: 02/28/20 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**<0.0055**	ug/L	0.027	0.0055	1	03/02/20 09:15	03/02/20 14:12	83-32-9	
Acenaphthylene	**<0.0045**	ug/L	0.022	0.0045	1	03/02/20 09:15	03/02/20 14:12	208-96-8	
Anthracene	**<0.0094**	ug/L	0.047	0.0094	1	03/02/20 09:15	03/02/20 14:12	120-12-7	
Benzo(a)anthracene	**<0.0068**	ug/L	0.034	0.0068	1	03/02/20 09:15	03/02/20 14:12	56-55-3	
Benzo(a)pyrene	**<0.0095**	ug/L	0.047	0.0095	1	03/02/20 09:15	03/02/20 14:12	50-32-8	
Benzo(b)fluoranthene	**<0.0052**	ug/L	0.026	0.0052	1	03/02/20 09:15	03/02/20 14:12	205-99-2	
Benzo(g,h,i)perylene	**<0.0061**	ug/L	0.031	0.0061	1	03/02/20 09:15	03/02/20 14:12	191-24-2	
Benzo(k)fluoranthene	**<0.0068**	ug/L	0.034	0.0068	1	03/02/20 09:15	03/02/20 14:12	207-08-9	
Chrysene	**<0.012**	ug/L	0.059	0.012	1	03/02/20 09:15	03/02/20 14:12	218-01-9	
Dibenz(a,h)anthracene	**<0.0090**	ug/L	0.045	0.0090	1	03/02/20 09:15	03/02/20 14:12	53-70-3	
Fluoranthene	**<0.0096**	ug/L	0.048	0.0096	1	03/02/20 09:15	03/02/20 14:12	206-44-0	
Fluorene	**<0.0072**	ug/L	0.036	0.0072	1	03/02/20 09:15	03/02/20 14:12	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.079	0.016	1	03/02/20 09:15	03/02/20 14:12	193-39-5	
1-Methylnaphthalene	**<0.0053**	ug/L	0.027	0.0053	1	03/02/20 09:15	03/02/20 14:12	90-12-0	
2-Methylnaphthalene	**<0.0044**	ug/L	0.022	0.0044	1	03/02/20 09:15	03/02/20 14:12	91-57-6	
Naphthalene	**<0.017**	ug/L	0.083	0.017	1	03/02/20 09:15	03/02/20 14:12	91-20-3	
Phenanthrene	**<0.012**	ug/L	0.062	0.012	1	03/02/20 09:15	03/02/20 14:12	85-01-8	
Pyrene	**<0.0069**	ug/L	0.034	0.0069	1	03/02/20 09:15	03/02/20 14:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	49	%	39-120		1	03/02/20 09:15	03/02/20 14:12	321-60-8	
Terphenyl-d14 (S)	54	%	10-159		1	03/02/20 09:15	03/02/20 14:12	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		03/02/20 16:43	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		03/02/20 16:43	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/02/20 16:43	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		03/02/20 16:43	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		03/02/20 16:43	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		03/02/20 16:43	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 16:43	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		03/02/20 16:43	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		03/02/20 16:43	98-06-6	
Carbon tetrachloride	**<1.6**	ug/L	5.5	1.6	1		03/02/20 16:43	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 16:43	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		03/02/20 16:43	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		03/02/20 16:43	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		03/02/20 16:43	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		03/02/20 16:43	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		03/02/20 16:43	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		03/02/20 16:43	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		03/02/20 16:43	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		03/02/20 16:43	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		03/02/20 16:43	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 16:43	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		03/02/20 16:43	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		03/02/20 16:43	106-46-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 10565.00 RATH
Pace Project No.: 40203953

Sample: MW-3 **Lab ID: 40203953001** Collected: 02/24/20 13:20 Received: 02/28/20 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		03/02/20 16:43	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		03/02/20 16:43	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 16:43	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		03/02/20 16:43	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		03/02/20 16:43	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		03/02/20 16:43	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 16:43	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		03/02/20 16:43	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		03/02/20 16:43	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		03/02/20 16:43	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		03/02/20 16:43	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		03/02/20 16:43	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		03/02/20 16:43	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		03/02/20 16:43	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		03/02/20 16:43	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		03/02/20 16:43	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		03/02/20 16:43	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		03/02/20 16:43	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		03/02/20 16:43	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		03/02/20 16:43	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		03/02/20 16:43	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		03/02/20 16:43	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		03/02/20 16:43	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 16:43	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		03/02/20 16:43	127-18-4	
Toluene	**0.95**	ug/L	0.90	0.27	1		03/02/20 16:43	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		03/02/20 16:43	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/02/20 16:43	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		03/02/20 16:43	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		03/02/20 16:43	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		03/02/20 16:43	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		03/02/20 16:43	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		03/02/20 16:43	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		03/02/20 16:43	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		03/02/20 16:43	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/02/20 16:43	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		03/02/20 16:43	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		03/02/20 16:43	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		03/02/20 16:43	460-00-4	pH
Dibromofluoromethane (S)	113	%	70-130		1		03/02/20 16:43	1868-53-7	
Toluene-d8 (S)	89	%	70-130		1		03/02/20 16:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 10565.00 RATH
Pace Project No.: 40203953

Sample: MW-1 **Lab ID: 40203953002** Collected: 02/24/20 13:10 Received: 02/28/20 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**<0.0055**	ug/L	0.027	0.0055	1	03/02/20 09:15	03/02/20 14:30	83-32-9	
Acenaphthylene	**<0.0045**	ug/L	0.022	0.0045	1	03/02/20 09:15	03/02/20 14:30	208-96-8	
Anthracene	**<0.0094**	ug/L	0.047	0.0094	1	03/02/20 09:15	03/02/20 14:30	120-12-7	
Benzo(a)anthracene	**<0.0068**	ug/L	0.034	0.0068	1	03/02/20 09:15	03/02/20 14:30	56-55-3	
Benzo(a)pyrene	**<0.0095**	ug/L	0.047	0.0095	1	03/02/20 09:15	03/02/20 14:30	50-32-8	
Benzo(b)fluoranthene	**<0.0052**	ug/L	0.026	0.0052	1	03/02/20 09:15	03/02/20 14:30	205-99-2	
Benzo(g,h,i)perylene	**<0.0061**	ug/L	0.031	0.0061	1	03/02/20 09:15	03/02/20 14:30	191-24-2	
Benzo(k)fluoranthene	**<0.0068**	ug/L	0.034	0.0068	1	03/02/20 09:15	03/02/20 14:30	207-08-9	
Chrysene	**<0.012**	ug/L	0.059	0.012	1	03/02/20 09:15	03/02/20 14:30	218-01-9	
Dibenz(a,h)anthracene	**<0.0090**	ug/L	0.045	0.0090	1	03/02/20 09:15	03/02/20 14:30	53-70-3	
Fluoranthene	**<0.0096**	ug/L	0.048	0.0096	1	03/02/20 09:15	03/02/20 14:30	206-44-0	
Fluorene	**<0.0072**	ug/L	0.036	0.0072	1	03/02/20 09:15	03/02/20 14:30	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.079	0.016	1	03/02/20 09:15	03/02/20 14:30	193-39-5	
1-Methylnaphthalene	**<0.0053**	ug/L	0.027	0.0053	1	03/02/20 09:15	03/02/20 14:30	90-12-0	
2-Methylnaphthalene	**<0.0044**	ug/L	0.022	0.0044	1	03/02/20 09:15	03/02/20 14:30	91-57-6	
Naphthalene	**0.028J**	ug/L	0.083	0.017	1	03/02/20 09:15	03/02/20 14:30	91-20-3	
Phenanthrene	**<0.012**	ug/L	0.062	0.012	1	03/02/20 09:15	03/02/20 14:30	85-01-8	
Pyrene	**<0.0069**	ug/L	0.034	0.0069	1	03/02/20 09:15	03/02/20 14:30	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	49	%	39-120		1	03/02/20 09:15	03/02/20 14:30	321-60-8	
Terphenyl-d14 (S)	59	%	10-159		1	03/02/20 09:15	03/02/20 14:30	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		03/02/20 17:05	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		03/02/20 17:05	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/02/20 17:05	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		03/02/20 17:05	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		03/02/20 17:05	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		03/02/20 17:05	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 17:05	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		03/02/20 17:05	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		03/02/20 17:05	98-06-6	
Carbon tetrachloride	**<1.6**	ug/L	5.5	1.6	1		03/02/20 17:05	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 17:05	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		03/02/20 17:05	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		03/02/20 17:05	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		03/02/20 17:05	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		03/02/20 17:05	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		03/02/20 17:05	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		03/02/20 17:05	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		03/02/20 17:05	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		03/02/20 17:05	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		03/02/20 17:05	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 17:05	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		03/02/20 17:05	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		03/02/20 17:05	106-46-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 10565.00 RATH
Pace Project No.: 40203953

Sample: MW-1 **Lab ID: 40203953002** Collected: 02/24/20 13:10 Received: 02/28/20 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		03/02/20 17:05	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		03/02/20 17:05	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 17:05	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		03/02/20 17:05	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		03/02/20 17:05	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		03/02/20 17:05	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 17:05	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		03/02/20 17:05	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		03/02/20 17:05	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		03/02/20 17:05	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		03/02/20 17:05	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		03/02/20 17:05	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		03/02/20 17:05	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		03/02/20 17:05	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		03/02/20 17:05	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		03/02/20 17:05	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		03/02/20 17:05	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		03/02/20 17:05	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		03/02/20 17:05	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		03/02/20 17:05	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		03/02/20 17:05	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		03/02/20 17:05	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		03/02/20 17:05	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 17:05	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		03/02/20 17:05	127-18-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		03/02/20 17:05	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		03/02/20 17:05	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/02/20 17:05	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		03/02/20 17:05	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		03/02/20 17:05	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		03/02/20 17:05	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		03/02/20 17:05	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		03/02/20 17:05	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		03/02/20 17:05	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		03/02/20 17:05	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/02/20 17:05	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		03/02/20 17:05	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		03/02/20 17:05	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		03/02/20 17:05	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		03/02/20 17:05	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		03/02/20 17:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 10565.00 RATH
Pace Project No.: 40203953

Sample: MW-2 **Lab ID: 40203953003** Collected: 02/24/20 13:40 Received: 02/28/20 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**<0.0055**	ug/L	0.028	0.0055	1	03/02/20 09:15	03/02/20 14:48	83-32-9	
Acenaphthylene	**<0.0045**	ug/L	0.023	0.0045	1	03/02/20 09:15	03/02/20 14:48	208-96-8	
Anthracene	**<0.0095**	ug/L	0.048	0.0095	1	03/02/20 09:15	03/02/20 14:48	120-12-7	
Benzo(a)anthracene	**<0.0069**	ug/L	0.034	0.0069	1	03/02/20 09:15	03/02/20 14:48	56-55-3	
Benzo(a)pyrene	**<0.0096**	ug/L	0.048	0.0096	1	03/02/20 09:15	03/02/20 14:48	50-32-8	
Benzo(b)fluoranthene	**<0.0052**	ug/L	0.026	0.0052	1	03/02/20 09:15	03/02/20 14:48	205-99-2	
Benzo(g,h,i)perylene	**<0.0062**	ug/L	0.031	0.0062	1	03/02/20 09:15	03/02/20 14:48	191-24-2	
Benzo(k)fluoranthene	**<0.0069**	ug/L	0.034	0.0069	1	03/02/20 09:15	03/02/20 14:48	207-08-9	
Chrysene	**<0.012**	ug/L	0.059	0.012	1	03/02/20 09:15	03/02/20 14:48	218-01-9	
Dibenz(a,h)anthracene	**<0.0091**	ug/L	0.046	0.0091	1	03/02/20 09:15	03/02/20 14:48	53-70-3	
Fluoranthene	**<0.0097**	ug/L	0.048	0.0097	1	03/02/20 09:15	03/02/20 14:48	206-44-0	
Fluorene	**<0.0072**	ug/L	0.036	0.0072	1	03/02/20 09:15	03/02/20 14:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.080	0.016	1	03/02/20 09:15	03/02/20 14:48	193-39-5	
1-Methylnaphthalene	**<0.0054**	ug/L	0.027	0.0054	1	03/02/20 09:15	03/02/20 14:48	90-12-0	
2-Methylnaphthalene	**<0.0045**	ug/L	0.022	0.0045	1	03/02/20 09:15	03/02/20 14:48	91-57-6	
Naphthalene	**<0.017**	ug/L	0.083	0.017	1	03/02/20 09:15	03/02/20 14:48	91-20-3	
Phenanthrene	**<0.013**	ug/L	0.063	0.013	1	03/02/20 09:15	03/02/20 14:48	85-01-8	
Pyrene	**<0.0070**	ug/L	0.035	0.0070	1	03/02/20 09:15	03/02/20 14:48	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	54	%	39-120		1	03/02/20 09:15	03/02/20 14:48	321-60-8	
Terphenyl-d14 (S)	77	%	10-159		1	03/02/20 09:15	03/02/20 14:48	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		03/02/20 17:26	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		03/02/20 17:26	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/02/20 17:26	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		03/02/20 17:26	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		03/02/20 17:26	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		03/02/20 17:26	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 17:26	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		03/02/20 17:26	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		03/02/20 17:26	98-06-6	
Carbon tetrachloride	**<1.6**	ug/L	5.5	1.6	1		03/02/20 17:26	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 17:26	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		03/02/20 17:26	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		03/02/20 17:26	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		03/02/20 17:26	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		03/02/20 17:26	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		03/02/20 17:26	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		03/02/20 17:26	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		03/02/20 17:26	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		03/02/20 17:26	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		03/02/20 17:26	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 17:26	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		03/02/20 17:26	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		03/02/20 17:26	106-46-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: 10565.00 RATH
Pace Project No.: 40203953

Sample: MW-2 **Lab ID: 40203953003** Collected: 02/24/20 13:40 Received: 02/28/20 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		03/02/20 17:26	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		03/02/20 17:26	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 17:26	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		03/02/20 17:26	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		03/02/20 17:26	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		03/02/20 17:26	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 17:26	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		03/02/20 17:26	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		03/02/20 17:26	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		03/02/20 17:26	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		03/02/20 17:26	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		03/02/20 17:26	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		03/02/20 17:26	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		03/02/20 17:26	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		03/02/20 17:26	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		03/02/20 17:26	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		03/02/20 17:26	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		03/02/20 17:26	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		03/02/20 17:26	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		03/02/20 17:26	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		03/02/20 17:26	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		03/02/20 17:26	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		03/02/20 17:26	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 17:26	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		03/02/20 17:26	127-18-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		03/02/20 17:26	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		03/02/20 17:26	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/02/20 17:26	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		03/02/20 17:26	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		03/02/20 17:26	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		03/02/20 17:26	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		03/02/20 17:26	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		03/02/20 17:26	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		03/02/20 17:26	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		03/02/20 17:26	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/02/20 17:26	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		03/02/20 17:26	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		03/02/20 17:26	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		03/02/20 17:26	460-00-4	
Dibromofluoromethane (S)	114	%	70-130		1		03/02/20 17:26	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		03/02/20 17:26	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 10565.00 RATH
Pace Project No.: 40203953

Sample: WATER SUPPLY **Lab ID: 40203953004** Collected: 02/24/20 12:00 Received: 02/28/20 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		03/02/20 17:48	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		03/02/20 17:48	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		03/02/20 17:48	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		03/02/20 17:48	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		03/02/20 17:48	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		03/02/20 17:48	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 17:48	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		03/02/20 17:48	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		03/02/20 17:48	98-06-6	
Carbon tetrachloride	**<1.6**	ug/L	5.5	1.6	1		03/02/20 17:48	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 17:48	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		03/02/20 17:48	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		03/02/20 17:48	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		03/02/20 17:48	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		03/02/20 17:48	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		03/02/20 17:48	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		03/02/20 17:48	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		03/02/20 17:48	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		03/02/20 17:48	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		03/02/20 17:48	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		03/02/20 17:48	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		03/02/20 17:48	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		03/02/20 17:48	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		03/02/20 17:48	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		03/02/20 17:48	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 17:48	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		03/02/20 17:48	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		03/02/20 17:48	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		03/02/20 17:48	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 17:48	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		03/02/20 17:48	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		03/02/20 17:48	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		03/02/20 17:48	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		03/02/20 17:48	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		03/02/20 17:48	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		03/02/20 17:48	108-20-3	
Ethylbenzene	**<0.32**	ug/L	1.1	0.32	1		03/02/20 17:48	100-41-4	
Hexachloro-1,3-butadiene	**<1.5**	ug/L	4.9	1.5	1		03/02/20 17:48	87-68-3	
Isopropylbenzene (Cumene)	**<1.7**	ug/L	5.6	1.7	1		03/02/20 17:48	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		03/02/20 17:48	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		03/02/20 17:48	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		03/02/20 17:48	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		03/02/20 17:48	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		03/02/20 17:48	103-65-1	
Styrene	**<3.0**	ug/L	10.0	3.0	1		03/02/20 17:48	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		03/02/20 17:48	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: 10565.00 RATH
Pace Project No.: 40203953

Sample: WATER SUPPLY **Lab ID: 40203953004** Collected: 02/24/20 12:00 Received: 02/28/20 08:10 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		03/02/20 17:48	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		03/02/20 17:48	127-18-4	
Toluene	**<0.27**	ug/L	0.90	0.27	1		03/02/20 17:48	108-88-3	
1,2,3-Trichlorobenzene	**<2.2**	ug/L	7.4	2.2	1		03/02/20 17:48	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		03/02/20 17:48	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		03/02/20 17:48	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		03/02/20 17:48	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		03/02/20 17:48	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		03/02/20 17:48	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		03/02/20 17:48	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		03/02/20 17:48	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		03/02/20 17:48	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		03/02/20 17:48	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		03/02/20 17:48	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		03/02/20 17:48	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		03/02/20 17:48	460-00-4	
Dibromofluoromethane (S)	112	%	70-130		1		03/02/20 17:48	1868-53-7	
Toluene-d8 (S)	88	%	70-130		1		03/02/20 17:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 10565.00 RATH
Pace Project No.: 40203953

QC Batch: 348859 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40203953001, 40203953002, 40203953003, 40203953004

METHOD BLANK: 2022091 Matrix: Water
Associated Lab Samples: 40203953001, 40203953002, 40203953003, 40203953004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	03/02/20 09:12	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	03/02/20 09:12	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	03/02/20 09:12	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	03/02/20 09:12	
1,1-Dichloroethane	ug/L	<0.27	1.0	03/02/20 09:12	
1,1-Dichloroethene	ug/L	<0.24	1.0	03/02/20 09:12	
1,1-Dichloropropene	ug/L	<0.54	1.8	03/02/20 09:12	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	03/02/20 09:12	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	03/02/20 09:12	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	03/02/20 09:12	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	03/02/20 09:12	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	03/02/20 09:12	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	03/02/20 09:12	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	03/02/20 09:12	
1,2-Dichloroethane	ug/L	<0.28	1.0	03/02/20 09:12	
1,2-Dichloropropane	ug/L	<0.28	1.0	03/02/20 09:12	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	03/02/20 09:12	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	03/02/20 09:12	
1,3-Dichloropropane	ug/L	<0.83	2.8	03/02/20 09:12	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	03/02/20 09:12	
2,2-Dichloropropane	ug/L	<2.3	7.6	03/02/20 09:12	
2-Chlorotoluene	ug/L	<0.93	5.0	03/02/20 09:12	
4-Chlorotoluene	ug/L	<0.76	2.5	03/02/20 09:12	
Benzene	ug/L	<0.25	1.0	03/02/20 09:12	
Bromobenzene	ug/L	<0.24	1.0	03/02/20 09:12	
Bromochloromethane	ug/L	<0.36	5.0	03/02/20 09:12	
Bromodichloromethane	ug/L	<0.36	1.2	03/02/20 09:12	
Bromoform	ug/L	<4.0	13.2	03/02/20 09:12	
Bromomethane	ug/L	<0.97	5.0	03/02/20 09:12	
Carbon tetrachloride	ug/L	<1.6	5.5	03/02/20 09:12	
Chlorobenzene	ug/L	<0.71	2.4	03/02/20 09:12	
Chloroethane	ug/L	<1.3	5.0	03/02/20 09:12	
Chloroform	ug/L	<1.3	5.0	03/02/20 09:12	
Chloromethane	ug/L	<2.2	7.3	03/02/20 09:12	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	03/02/20 09:12	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	03/02/20 09:12	
Dibromochloromethane	ug/L	<2.6	8.7	03/02/20 09:12	
Dibromomethane	ug/L	<0.94	3.1	03/02/20 09:12	
Dichlorodifluoromethane	ug/L	<0.50	5.0	03/02/20 09:12	
Diisopropyl ether	ug/L	<1.9	6.3	03/02/20 09:12	
Ethylbenzene	ug/L	<0.32	1.1	03/02/20 09:12	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 10565.00 RATH
Pace Project No.: 40203953

METHOD BLANK: 2022091 Matrix: Water
Associated Lab Samples: 40203953001, 40203953002, 40203953003, 40203953004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	03/02/20 09:12	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	03/02/20 09:12	
m&p-Xylene	ug/L	<0.47	2.0	03/02/20 09:12	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	03/02/20 09:12	
Methylene Chloride	ug/L	<0.58	5.0	03/02/20 09:12	
n-Butylbenzene	ug/L	<0.71	2.4	03/02/20 09:12	
n-Propylbenzene	ug/L	<0.81	5.0	03/02/20 09:12	
Naphthalene	ug/L	<1.2	5.0	03/02/20 09:12	
o-Xylene	ug/L	<0.26	1.0	03/02/20 09:12	
p-Isopropyltoluene	ug/L	<0.80	2.7	03/02/20 09:12	
sec-Butylbenzene	ug/L	<0.85	5.0	03/02/20 09:12	
Styrene	ug/L	<3.0	10.0	03/02/20 09:12	
tert-Butylbenzene	ug/L	<0.30	1.0	03/02/20 09:12	
Tetrachloroethene	ug/L	<0.33	1.1	03/02/20 09:12	
Toluene	ug/L	<0.27	0.90	03/02/20 09:12	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	03/02/20 09:12	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	03/02/20 09:12	
Trichloroethene	ug/L	<0.26	1.0	03/02/20 09:12	
Trichlorofluoromethane	ug/L	<0.21	1.0	03/02/20 09:12	
Vinyl chloride	ug/L	<0.17	1.0	03/02/20 09:12	
4-Bromofluorobenzene (S)	%	94	70-130	03/02/20 09:12	
Dibromofluoromethane (S)	%	106	70-130	03/02/20 09:12	
Toluene-d8 (S)	%	93	70-130	03/02/20 09:12	

LABORATORY CONTROL SAMPLE: 2022092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	63.0	126	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	44.5	89	70-130	
1,1,2-Trichloroethane	ug/L	50	49.6	99	70-130	
1,1-Dichloroethane	ug/L	50	54.0	108	73-150	
1,1-Dichloroethene	ug/L	50	53.3	107	73-138	
1,2,4-Trichlorobenzene	ug/L	50	45.1	90	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.0	90	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	47.0	94	70-130	
1,2-Dichlorobenzene	ug/L	50	46.2	92	70-130	
1,2-Dichloroethane	ug/L	50	59.9	120	75-140	
1,2-Dichloropropane	ug/L	50	58.4	117	73-135	
1,3-Dichlorobenzene	ug/L	50	44.7	89	70-130	
1,4-Dichlorobenzene	ug/L	50	44.6	89	70-130	
Benzene	ug/L	50	60.5	121	70-130	
Bromodichloromethane	ug/L	50	57.2	114	70-130	
Bromoform	ug/L	50	56.9	114	68-129	
Bromomethane	ug/L	50	46.7	93	18-159	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 10565.00 RATH
Pace Project No.: 40203953

LABORATORY CONTROL SAMPLE: 2022092

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	59.7	119	70-130	
Chlorobenzene	ug/L	50	48.3	97	70-130	
Chloroethane	ug/L	50	59.5	119	53-147	
Chloroform	ug/L	50	60.1	120	74-136	
Chloromethane	ug/L	50	46.2	92	29-115	
cis-1,2-Dichloroethene	ug/L	50	58.0	116	70-130	
cis-1,3-Dichloropropene	ug/L	50	58.2	116	70-130	
Dibromochloromethane	ug/L	50	54.5	109	70-130	
Dichlorodifluoromethane	ug/L	50	45.6	91	10-130	
Ethylbenzene	ug/L	50	51.2	102	80-124	
Isopropylbenzene (Cumene)	ug/L	50	47.8	96	70-130	
m&p-Xylene	ug/L	100	102	102	70-130	
Methyl-tert-butyl ether	ug/L	50	51.0	102	54-137	
Methylene Chloride	ug/L	50	54.9	110	73-138	
o-Xylene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	45.4	91	70-130	
Tetrachloroethene	ug/L	50	48.0	96	70-130	
Toluene	ug/L	50	47.8	96	80-126	
trans-1,2-Dichloroethene	ug/L	50	52.1	104	73-145	
trans-1,3-Dichloropropene	ug/L	50	47.5	95	70-130	
Trichloroethene	ug/L	50	55.5	111	70-130	
Trichlorofluoromethane	ug/L	50	64.6	129	76-147	
Vinyl chloride	ug/L	50	51.5	103	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			109	70-130	
Toluene-d8 (S)	%			90	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2022093 2022094

Parameter	Units	40203921002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	61.1	62.2	122	124	70-130	2	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	45.9	46.5	92	93	70-130	1	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	47.7	47.3	95	95	70-137	1	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	54.0	53.6	108	107	73-153	1	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	54.5	53.2	109	106	73-138	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	48.0	48.0	96	96	70-130	0	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	44.9	47.5	90	95	58-129	6	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	46.7	47.4	93	95	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	45.7	47.3	91	95	70-130	3	20	
1,2-Dichloroethane	ug/L	0.84J	50	50	62.3	60.8	123	120	75-140	2	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	57.8	58.3	116	117	71-138	1	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	44.3	45.0	89	90	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	44.4	44.7	89	89	70-130	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 10565.00 RATH
Pace Project No.: 40203953

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2022093 2022094

Parameter	Units	40203921002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	60.4	59.1	121	118	70-130	2	20	
Bromodichloromethane	ug/L	<0.36	50	50	56.9	57.2	114	114	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	55.5	55.2	111	110	68-129	1	20	
Bromomethane	ug/L	<0.97	50	50	49.1	50.1	98	100	15-170	2	20	
Carbon tetrachloride	ug/L	<1.6	50	50	59.5	57.6	119	115	70-130	3	20	
Chlorobenzene	ug/L	<0.71	50	50	47.1	47.5	94	95	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	59.0	57.4	118	115	51-148	3	20	
Chloroform	ug/L	<1.3	50	50	60.5	59.0	121	118	74-136	3	20	
Chloromethane	ug/L	<2.2	50	50	45.0	44.4	90	89	23-115	1	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	57.7	56.7	115	113	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	56.7	57.1	113	114	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	52.2	51.5	104	103	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	44.7	43.6	89	87	10-132	3	20	
Ethylbenzene	ug/L	<0.32	50	50	50.3	50.9	101	102	80-125	1	20	
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	46.8	46.7	94	93	70-130	0	20	
m&p-Xylene	ug/L	<0.47	100	100	100	99.9	100	100	70-130	1	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	51.6	51.5	103	103	51-145	0	20	
Methylene Chloride	ug/L	<0.58	50	50	53.3	53.2	107	106	73-140	0	20	
o-Xylene	ug/L	<0.26	50	50	49.7	49.9	99	99	70-130	0	20	
Styrene	ug/L	<3.0	50	50	45.7	45.1	91	90	70-130	1	20	
Tetrachloroethene	ug/L	<0.33	50	50	47.8	49.2	96	98	70-130	3	20	
Toluene	ug/L	<0.27	50	50	46.8	47.5	94	95	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	50.7	52.7	101	105	73-148	4	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	45.9	45.5	92	91	70-130	1	20	
Trichloroethene	ug/L	<0.26	50	50	54.6	56.0	109	112	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	66.5	65.7	133	131	74-147	1	20	
Vinyl chloride	ug/L	<0.17	50	50	50.5	50.2	101	100	41-129	0	20	
4-Bromofluorobenzene (S)	%						103	103	70-130			
Dibromofluoromethane (S)	%						108	107	70-130			
Toluene-d8 (S)	%						90	89	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 10565.00 RATH
Pace Project No.: 40203953

QC Batch: 348889 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40203953001, 40203953002, 40203953003

METHOD BLANK: 2022157 Matrix: Water
Associated Lab Samples: 40203953001, 40203953002, 40203953003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0059	0.030	03/02/20 12:42	
2-Methylnaphthalene	ug/L	<0.0049	0.024	03/02/20 12:42	
Acenaphthene	ug/L	<0.0061	0.030	03/02/20 12:42	
Acenaphthylene	ug/L	<0.0050	0.025	03/02/20 12:42	
Anthracene	ug/L	<0.010	0.052	03/02/20 12:42	
Benzo(a)anthracene	ug/L	<0.0076	0.038	03/02/20 12:42	
Benzo(a)pyrene	ug/L	<0.011	0.053	03/02/20 12:42	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	03/02/20 12:42	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	03/02/20 12:42	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	03/02/20 12:42	
Chrysene	ug/L	<0.013	0.065	03/02/20 12:42	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	03/02/20 12:42	
Fluoranthene	ug/L	<0.011	0.053	03/02/20 12:42	
Fluorene	ug/L	<0.0080	0.040	03/02/20 12:42	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	03/02/20 12:42	
Naphthalene	ug/L	<0.018	0.092	03/02/20 12:42	
Phenanthrene	ug/L	<0.014	0.069	03/02/20 12:42	
Pyrene	ug/L	<0.0076	0.038	03/02/20 12:42	
2-Fluorobiphenyl (S)	%	62	39-120	03/02/20 12:42	
Terphenyl-d14 (S)	%	122	10-159	03/02/20 12:42	

LABORATORY CONTROL SAMPLE & LCSD: 2022158 2022159

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.0	1.0	50	51	37-120	2	25	
2-Methylnaphthalene	ug/L	2	1.0	1.1	51	53	38-120	4	25	
Acenaphthene	ug/L	2	1.4	1.3	68	64	49-120	6	24	
Acenaphthylene	ug/L	2	1.3	1.2	65	61	43-85	7	26	
Anthracene	ug/L	2	1.9	1.6	96	81	57-110	17	28	
Benzo(a)anthracene	ug/L	2	1.4	1.4	70	69	47-118	1	27	
Benzo(a)pyrene	ug/L	2	1.9	1.9	95	97	70-120	2	20	
Benzo(b)fluoranthene	ug/L	2	1.5	1.6	73	78	54-97	6	21	
Benzo(g,h,i)perylene	ug/L	2	1.1	1.1	53	57	26-74	8	42	
Benzo(k)fluoranthene	ug/L	2	2.2	2.3	108	113	73-126	5	22	
Chrysene	ug/L	2	2.6	2.6	128	129	75-151	1	20	
Dibenz(a,h)anthracene	ug/L	2	0.84	0.92	42	46	13-72	8	50	
Fluoranthene	ug/L	2	1.7	1.6	87	82	63-120	6	20	
Fluorene	ug/L	2	1.5	1.3	76	66	53-120	14	26	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.6	1.6	79	80	51-101	2	27	
Naphthalene	ug/L	2	1.1	1.2	53	61	41-120	13	24	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 10565.00 RATH
Pace Project No.: 40203953

LABORATORY CONTROL SAMPLE & LCSD: 2022158 2022159

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Phenanthrene	ug/L	2	1.3	1.2	67	60	47-100	11	22	
Pyrene	ug/L	2	2.0	2.0	100	98	70-128	2	20	
2-Fluorobiphenyl (S)	%				67	64	39-120			
Terphenyl-d14 (S)	%				123	127	10-159			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 10565.00 RATH
Pace Project No.: 40203953

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-G Pace Analytical Services - Green Bay

BATCH QUALIFIERS

Batch: 348944

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10565.00 RATH
Pace Project No.: 40203953

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40203953001	**MW-3**	EPA 3510	348889	EPA 8270 by HVI	348944
40203953002	**MW-1**	EPA 3510	348889	EPA 8270 by HVI	348944
40203953003	**MW-2**	EPA 3510	348889	EPA 8270 by HVI	348944
40203953001	**MW-3**	EPA 8260	348859		
40203953002	**MW-1**	EPA 8260	348859		
40203953003	**MW-2**	EPA 8260	348859		
40203953004	**WATER SUPPLY**	EPA 8260	348859		

(Please Print Clearly)	
Company Name:	Seymour Environmental Services
Branch/Location:	McFarland
Project Contact:	Robyn Seymour
Phone:	608-838-9120
Project Number:	10565.00
Project Name:	Rath
Project State:	Wisconsin
Sampled By (Print):	Mark R. Seymour
Sampled By (Sign):	Mark R. Seymour
PO #:	Regulatory Program:

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UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

COC No. 40203953

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Robyn Seymour
Mail To Company:	Seymour Environmental Services
Mail To Address:	2531 Dyreson Road McFarland, Wisconsin 53558
Invoice To Contact:	Robyn Seymour
Invoice To Company:	Seymour Environmental Services
Invoice To Address:	2531 Dyreson Road McFarland, Wisconsin 53558
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
Sl = Sludge	WP = Wipe

FILTERED? (YES/NO)
PRESERVATION (CODE)*

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Y/N	N	N
					Pick Letter	B	A
					Analyses Requested	VOC	PAH
001	MW-3	2/24/20	132:20	GW		X	X
002	MW-1	2/24/20	13:10	GW		X	X
003	MW-2	2/24/20	13:40	GW		X	X
004	Water Supply	2/24/20	12:00	DW		X	

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	NP	

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1:	rseymour@chorus.net
Email #2:	
Telephone:	
Fax:	

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
Mark R. Seymour	02/27/2020 pm		
Relinquished By:	Date/Time:	Received By:	Date/Time:
CS Logistics	2-28-20 0810	Susan Kilgore	2-28-20 0810
Relinquished By:	Date/Time:	Received By:	Date/Time:
Relinquished By:	Date/Time:	Received By:	Date/Time:

PACE Project No. 40203953
Receipt Temp = ROI °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / Not Present
Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: Seymour

Project # Y0203953

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A

Initial when completed:

Date/ Time:

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Pace Lab #	Glass								Plastic					Vials						Jars				General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN							
001						2											3																2.5 / 5 / 10
002						2											3																2.5 / 5 / 10
003						2											3																2.5 / 5 / 10
004																																	2.5 / 5 / 10
005																																	2.5 / 5 / 10
006																																	2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
011																																	2.5 / 5 / 10
012																																	2.5 / 5 / 10
013																																	2.5 / 5 / 10
014																																	2.5 / 5 / 10
015																																	2.5 / 5 / 10
016																																	2.5 / 5 / 10
017																																	2.5 / 5 / 10
018																																	2.5 / 5 / 10
019																																	2.5 / 5 / 10
020																																	2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other:_____ Headspace in VOA Vials (>6mm) : □Yes □No □N/A ***If yes look in headspace column**

AG1U	1 liter amber glass
BG1U	1 liter clear glass
AG1H	1 liter amber glass HCL
AG4S	125 mL amber glass H2SO4
AG4U	120 mL amber glass unpres
AG5U	100 mL amber glass unpres
AG2S	500 mL amber glass H2SO4
BG3U	250 mL clear glass unpres

BP1U	1 liter plastic unpres
BP3U	250 mL plastic unpres
BP3B	250 mL plastic NaOH
BP3N	250 mL plastic HNO3
BP3S	250 mL plastic H2SO4

VG9A	40 mL clear ascorbic
DG9T	40 mL amber Na Thio
VG9U	40 mL clear vial unpres
VG9H	40 mL clear vial HCL
VG9M	40 mL clear vial MeOH
VG9D	40 mL clear vial DI

JGFU	4 oz amber jar unpres
JG9U	9 oz amber jar unpres
WGFU	4 oz clear jar unpres
WPFU	4 oz plastic jar unpres
SP5T	120 mL plastic Na Thiosulfate
ZPLC	ziploc bag
GN	

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO# : 40203953

40203953

Client Name: Seymour Env

Courier: ☒ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco ☐ Client ☐ Pace Other:

Tracking #: 526 0227 0

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - N/A **Type of Ice:** Wet (Blue) Dry None ☑ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr:

Temp Blank Present: ☐ yes ☑ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents:
Date: 2-28-20
Initials:

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Chain of Custody Present:	☑Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☑Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☑Yes ☐No ☐N/A	3.
Sampler Name & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No	5.
- VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No	6.
Rush Turn Around Time Requested:	☐Yes ☑No	7.
Sufficient Volume: For Analysis: ☑Yes ☐No MS/MSD:	☐Yes ☑No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: W	☑Yes ☐No ☐N/A	12.
Trip Blank Present:	☐Yes ☑No ☐N/A	13.
Trip Blank Custody Seals Present	☐Yes ☐No ☑N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: AL for DM **Date:** 2/28/2020

APPENDIX B

BORING LOGS

BADGER STATE DRILLING CO., INC.

STOUGHTON, WISCONSIN

FIELD BORING LOG

Sheet 1 Of 1

FOR ROTH PROPERTY

LOCATION 1304 Saint Rose Rd. ELEV.

Job No. 7754

Boring No. MW-1

GROUND WATER

While drilling _____ Time after drilling _____

Before casing removal _____ Depth to water _____

After casing removal _____ Depth to cave-in _____

Start 1-22-20

Unit D-120 #19

Chief K.D. - J.E.

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
		—	—			DRILL 6 1/4 HSA					
1	M	9	6				1.75				
		5	5	16	11						
2	M	4	4			STIFF BR. CLAY	2.0				
		5	7	18	9						
3	M	6	6				2.0				
		7	8	12	18						
						WEATHERED ROCK 8.5'					
						AUGER REFUSAL					
						SWITCH TO 6" AIR HAMMER					
						8.5' - 58.5'					
						④ CHIPS 58.5' - 44'					
						SET WELL @ 41'					
						SCREEN 41' - 26'					
						⑨ FILTER 44' - 24'					
						① FINE 24' - 23'					
						⑩ CHIPS 23' - 2'					
						① FLUSH MOUNT					
						#VR 038					
						50'					
						E.O.B. 58.5'					

BADGER STATE DRILLING CO., INC.

STOUGHTON, WISCONSIN

FIELD BORING LOG

Sheet 1 Of 1

FOR ROTH PROPERTY

LOCATION 1304 Saint Rose Rd ELEV.

Job No. 7754

Boring No. MW-2

GROUND WATER

While drilling _____ Time after drilling _____ _____

Before casing removal _____ Depth to water _____ _____

After casing removal _____ Depth to cave-in _____ _____

Start 1-23-20

Unit D-120 #19

Chief K.D. - J.F.

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
						Casing/Probe _____ Weight _____ Drop _____					
1	M	8	8			DRILL 6 1/4 HSA 0'-10'					
		9	10	8	17	BR. F-C SAND & GRAVEL w/ SOME SILT					
2	M	10	11			(POSSIBLE FILL)					
		9	11	8	20						
		-	-								
3	M	8	10								
		10	14	6	20						
		10	9								
4	M	9	19	8	18						
						AUGER REFUSAL 10'					
						SWITCH TO 6" AIR HAMMER					
						10'-24'					
						H2O 30.8'					
						SCREEN 40'-25'					
						(7) FILTER 44'-23'					
						(1) FINE 23'-22'					
						(6) CHIPS 22'-2'					
						(1) FLUSH MOUNT					
						(1) CONCRETE					
						#VR037					
						E.O.B. 44'					
						34'					

BADGER STATE DRILLING CO., INC.

STOUGHTON, WISCONSIN

FIELD BORING LOG

Sheet 1 Of 1

FOR Roth Property

LOCATION 1304 Sauk Rose Rd. ELEV.

Job No. 7754

Boring No. MW-3

GROUND WATER While drilling ____ Time after drilling ____ ____

Before casing removal ____ Depth to water ____ ____

After casing removal ____ Depth to cave-in ____ ____

Start 1-24-20

Unit D-120 #19

Chief K.D.-J.F.

Sample No.	Moisture	Blows on Sampler 0/6	Blows on Sampler 6/12	Sample Recovery	Total Blows	VISUAL FIELD CLASSIFICATION AND REMARKS	Unconfined Strength	Boulders	Blows on Casing Size	Blows on Probe Size	Drilling Method
		—	—			DRILL 6 1/4 HSA 0'-10.5'					
1	M	6	7								
		7	7	10	14						
2	M	10	9								
		10	14	8	19	BR. F-M SAND & GRAVEL (POSSIBLE FILL)					
		—	—								
3	M	14	16								
		17	21	10	33						
4	M	10	12								
		19	21	8	41						
						AUGER REFUSA 10.5'					
						SWITCH TO 6" AIR HAMMER					
						10.5'-41'					
						SCREEN 40'-25'					
						(7) FILTER 41'-23'					
						(1) FINE 23'-22'					
						(8) CHIPS 22'-2'					
						(1) FLUSH MOUNT					
						(1) CONCRETE					
						# VR139					

30.5'

APPENDIX C

SOIL DISPOSAL MANIFESTS

Advanced Disposal Services

28497

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478363

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.

b. Generating Location:

c. Address: 1304 Saint Rose Road
Cuba City, WI 53807

d. Address:

e. Phone No.:

f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name:

h. Owner's Phone No.: Rich Rath 608-732-2916

i. Waste Profile No.: AOL02290-864

j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity – Ld 1			
Quantity – Ld 2			
Quantity – Ld 3			
Quantity – Ld 4			

TYPE: D – DRUM, T – TRUCK, O – OTHER
UNITS: Y – YARDS, O – OTHER

TOTAL VOLUME

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Robyn Seymour — Robyn Seymour — 10/2/19
Generator Authorized Agent Name — Signature — Shipment Date

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes e-g; Transporter II completes h-n)

TRANSPORTER I

a. Name: Underholt

b. Address: 30001 Rawson Road
Cuba City, WI

c. Driver Name/Title: Brad Kraus

d. Phone No.: 608-778-9720 (PRINT/TYPE) e. Truck No.: 112

f. Vehicle License No./State: 6187JX WI

Acknowledgement of Receipt of Materials.

g. Driver Signature — 10/2/19 Shipment Date

TRANSPORTER II

h. Name:

i. Address:

j. Driver Name/Title:

k. Phone No.: (PRINT/TYPE) l. Truck No.:

m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature — Shipment Date

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.

b. Physical Address: 8290 Hwy 251
Davis Junction, IL 61020

c. Phone No.: 815-874-9000

d. Mailing Address: SAME

IEPA Site No.: 1410175005

e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — 10/2/19 Receipt Date

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain CANARY – Return to Generator PINK – Transporter Retain GOLD – Generator Retain

WE112

Advanced Disposal Services

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478364

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.
c. Address: 1304 Saint Rose Road, Cuba City, WI 53807
b. Generating Location:
d. Address:
e. Phone No.:
f. Phone No.:
If owner of the generating facility is different from above, provide: Rich Rath 608-732-2916
g. Owner's Name:
h. Owner's Phone No.:
i. Waste Profile No.: AOL02290-864
j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity — Ld 1			
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D – DRUM, T – TRUCK, O – OTHER
UNITS: Y – YARDS, O – OTHER

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOTAL VOLUME

Robyn Seymour — Generator Authorized Agent Name
Robyn Seymour — Signature
10/21/19 — Shipment Date

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes c-g; Transporter II completes h-n)

TRANSPORTER I

a. Name: Meenhalt
b. Address: 30001 Roasting Road, Cuba City, WI
c. Driver Name/Title: Kevin Stanislaw (PRINT/TYPE)
d. Phone No.: 608-744-2868
e. Truck No.: 109
f. Vehicle License No./State: 678044 WI
Acknowledgement of Receipt of Materials.
g. Driver Signature
10/21/19 — Shipment Date

TRANSPORTER II

h. Name:
i. Address:
j. Driver Name/Title: (PRINT/TYPE)
k. Phone No.:
l. Truck No.:
m. Vehicle License No./State:
Acknowledgement of Receipt of Materials.
n. Driver Signature
Shipment Date

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.
b. Physical Address: 8290 Hwy 251, Davis Junction, IL 61020
c. Phone No.: 815-874-9000
d. Mailing Address: SAME
IEPA Site No.: 1410175005
e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent
Signature
10/21/19 — Receipt Date

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain | CANARY – Return to Generator | PINK – Transporter Retain | GOLD – Generator Retain

WIE109

Advanced Disposal Services

128495

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478365

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.

c. Address: 1304 Saint Rose Road
Cuba City, WI 53807

b. Generating Location:

d. Address:

e. Phone No.:

f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: Rich Rath 608-732-2916

h. Owner's Phone No.:

i. Waste Profile No.: AOL02290-864

j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity — Ld 1			
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D – DRUM, T – TRUCK, O – OTHER
UNITS: Y – YARDS, O – OTHER

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOTAL VOLUME

Robyn Seymour — Generator Authorized Agent Name
Robyn Seymour — Signature
10/21/19 — Shipment Date

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes c-g, Transporter II completes h-n)

TRANSPORTER I

a. Name: Wiederholt

b. Address: 30001 Rooster Road
Cuba City, WI

c. Driver Name/Title: Rusty Wiederholt

d. Phone No.: 608-744-2868 (PRINT/TYPE) e. Truck No.: 114

f. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

g. Rusty Wiederholt — Driver Signature
10/21/19 — Shipment Date

TRANSPORTER II

h. Name:

i. Address:

j. Driver Name/Title:

k. Phone No.: (PRINT/TYPE) l. Truck No.:

m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature
Shipment Date

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.

b. Physical Address: 8290 Hwy 251
Davis Junction, IL 61020

c. Phone No.: 815-874-9000

d. Mailing Address: SAME

IEPA Site No.: 1410175005

e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent
Signature
10/21/19 — Receipt Date

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain CANARY – Return to Generator WI E114 PINK – Transporter Retain GOLD – Generator Retain

Advanced Disposal Services

1284807

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478368

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.

b. Generating Location: 1304 Saint Rose Road

c. Address: Cuba City, WI 53807

d. Address:

e. Phone No.:

f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: Rich Rath 608-732-2916

h. Owner's Phone No.:

i. Waste Profile No.: AOL02290-864

j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity – Ld 1			
Quantity – Ld 2			
Quantity – Ld 3			
Quantity – Ld 4			

TYPE: D – DRUM, T – TRUCK, O – OTHER

UNITS: Y – YARDS, O – OTHER

TOTAL VOLUME

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Robyn Surman — Generator Authorized Agent Name

Robyn Surman — Signature

10/21/19 — Shipment Date

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes c-g; Transporter II completes h-n)

TRANSPORTER I

a. Name: Mitchell's

b. Address: 30301 Rowan Road, Cuba City, WI

c. Driver Name/Title: DJ Swartz Driver

d. Phone No.: 608 744 2868 (PRINT/TYPE) e. Truck No.: 104

f. Vehicle License No./State: 539241 X WI

Acknowledgement of Receipt of Materials.

g. Driver Signature — 10/21/19 Shipment Date

TRANSPORTER II

h. Name:

i. Address:

j. Driver Name/Title:

k. Phone No.: (PRINT/TYPE) l. Truck No.:

m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature — Shipment Date

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.

b. Physical Address: 8290 Hwy 251, Davis Junction, IL 61020

c. Phone No.: 815-874-9000

d. Mailing Address: SAME

IEPA Site No.: 1410175005

e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — 10/21/19 Receipt Date

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain CANARY – Return to Generator PINK – Transporter Retain GOLD – Generator Retain

WIE 104

Advanced Disposal Services

12 84808

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478367

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.

b. Generating Location: 1304 Saint Rose Road

c. Address: Cuba City, WI 53807

d. Address:

e. Phone No.:

f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: Rich Rath 608-732-2916

h. Owner's Phone No.:

i. Waste Profile No.: AOL02290-864

j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity — Ld 1			
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D – DRUM, T – TRUCK, O – OTHER

UNITS: Y – YARDS, O – OTHER

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOTAL VOLUME

Robyn Seymour — Robyn Seymour — 10/21/19

Generator/Authorized Agent Name — Signature — Shipment Date

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes c-g; Transporter II completes h-n)

TRANSPORTER I

a. Name: Wiederholt

b. Address: 30001 Rogers Road, Cuba City, WI

c. Driver Name/Title:

d. Phone No.: (PRINT/TYPE) e. Truck No.: 113

f. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

g. Henry Faulkinger — 10/21/19

Driver Signature — Shipment Date

TRANSPORTER II

h. Name:

i. Address:

j. Driver Name/Title:

k. Phone No.: (PRINT/TYPE) l. Truck No.:

m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature — Shipment Date

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.

b. Physical Address: 8290 Hwy 251, Davis Junction, IL 61020

c. Phone No.: 815-874-9000

d. Mailing Address: SAME

IEPA Site No.: 1410175005

e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — Receipt Date: 10/21/19

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain — CANARY – Return to Generator — PINK – Transporter Retain — GOLD – Generator Retain

NIEIB

Advanced Disposal Services

1284809

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478369

Section I — GENERATOR (Generator completes all of Section I)

a. Generator Name: RISU, Inc.

b. Generating Location: 1304 Saint Rose Road

c. Address: Cuba City, WI 53807

d. Address:

e. Phone No.:

f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: Rich Rath 608-732-2916

h. Owner's Phone No.:

i. Waste Profile No.: AOL02290-864

j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity — Ld 1			
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D – DRUM; T – TRUCK; O – OTHER

UNITS: Y – YARDS; O – OTHER

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOTAL VOLUME

Robyn Simmons — Robyn Simmons — 10/21/19

Generator Authorized Agent Name — Signature — Shipment Date

Section II — TRANSPORTER (Generator completes a-d; Transporter I completes c-g; Transporter II completes h-n)

TRANSPORTER I

a. Name: Unverferth

b. Address: 360 Rooster Cuba City, WI

c. Driver Name/Title: (PRINT/TYPE)

d. Phone No.: e. Truck No.: 151

f. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

g. Driver Signature — Shipment Date: 10/21/19

TRANSPORTER II

h. Name:

i. Address:

j. Driver Name/Title: (PRINT/TYPE)

k. Phone No.: l. Truck No.:

m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature — Shipment Date:

Section III — DESTINATION (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.

b. Physical Address: 8290 Hwy 251, Davis Junction, IL 61020

c. Phone No.: 815-874-9000

d. Mailing Address: SAME

IEPA Site No.: 1410175005

e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — Receipt Date: 10/21/19

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain — CANARY – Return to Generator — PINK – Transporter Retain — GOLD – Generator Retain

FLA 151

Advanced Disposal Services

~~128810~~ 128810

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478366

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.

b. Generating Location: 1304 Saint Rose Road

c. Address: Cuba City, WI 53807

d. Address:

e. Phone No.:

f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: Rich Rath 608-732-2916

h. Owner's Phone No.:

i. Waste Profile No.: AOL02290-864

j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity — Ld 1			
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D – DRUM, T – TRUCK, O – OTHER

UNITS: Y – YARDS, O – OTHER

TOTAL VOLUME

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

Robyn Seymour — Generator Authorized Agent Name

Robyn Seymour — Signature

10/21/19 — Shipment Date

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes c-g Transporter II completes h-n)

TRANSPORTER I

a. Name: Wiederholt Ent

b. Address: 30001 Rosan Road Cuba City, WI

c. Driver Name/Title: Joe Kaiser (PRINT/TYPE)

d. Phone No.: 744-3868 e. Truck No.: 110

f. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

g. Joe Kaiser 10-21-19 — Driver Signature — Shipment Date

TRANSPORTER II

h. Name:

i. Address:

j. Driver Name/Title:

k. Phone No.: (PRINT/TYPE) l. Truck No.:

m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature — Shipment Date

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.

b. Physical Address: 8290 Hwy 251, Davis Junction, IL 61020

c. Phone No.: 815-874-9000

d. Mailing Address: SAME

IEPA Site No.: 1410175005

e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — Receipt Date: 10/21/19

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain CANARY – Return to Generator WE 110 PINK – Transporter Retain GOLD – Generator Retain

Advanced Disposal Services

128482

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478370

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.

b. Generating Location:

c. Address: 1304 Saint Rose Road
Cuba City, WI 53807

d. Address:

e. Phone No.:

f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: Rich Rath 608-732-2916

h. Owner's Phone No.:

i. Waste Profile No.: AOL02290-864

j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity — Ld 1			
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D – DRUM, T – TRUCK, O – OTHER
UNITS: Y – YARDS, O – OTHER

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOTAL VOLUME

Generator/Authorized Agent Name — Signature — Shipment Date: 10/21/19

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes c-g; Transporter II completes h-n)

TRANSPORTER I

a. Name: Murphy

b. Address: 30001 Rowena Road
Cuba City WI

c. Driver Name/Title:

d. Phone No.: PRINT/TYPE e. Truck No.: 115

f. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

g. Driver Signature — Shipment Date: 10/21/19

TRANSPORTER II

h. Name:

i. Address:

j. Driver Name/Title:

k. Phone No.: PRINT/TYPE l. Truck No.:

m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature — Shipment Date

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.

b. Physical Address: 8290 Hwy 251
Davis Junction, IL 61020

c. Phone No.: 815-874-9000

d. Mailing Address: SAME

IEPA Site No.: 1410175005

e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — Receipt Date: 10/21/19

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain | CANARY – Return to Generator | PINK – Transporter Retain | GOLD – Generator Retain

WIE 115

Advanced Disposal Services

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478373

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.

b. Generating Location:

c. Address: 1304 Saint Rose Road Cuba City, WI 53807

d. Address:

e. Phone No.:

f. Phone No.:

If owner of the generating facility is different from the Generator, provide: Rich Rath 608-732-2916

g. Owner's Name:

h. Owner's Phone No.:

i. Waste Profile No.: AOL02290-864

j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity — Ld 1			
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D – DRUM, T – TRUCK, O – OTHER

UNITS: Y – YARDS, O – OTHER

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOTAL VOLUME

Robyn Seymour — Generator Authorized Agent Name

Robyn Seymour — Signature

10/22/19 — Shipment Date

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes c-g; Transporter II completes h-n)

TRANSPORTER I

a. Name: Murphy

b. Address: 20001 Roadside Road Cuba City

c. Driver Name/Title:

d. Phone No.: (PRINT/TYPE) e. Truck No.:

f. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

g. Driver Signature — Shipment Date: 10/22/19

TRANSPORTER II

h. Name:

i. Address:

j. Driver Name/Title:

k. Phone No.: (PRINT/TYPE) l. Truck No.:

m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature — Shipment Date:

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.

b. Physical Address: 8290 Hwy 251 Davis Junction, IL 61020

c. Phone No.: 815-874-9000

d. Mailing Address: SAME

IEPA Site No.: 1410175005

e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — Receipt Date: 10/22/19

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain | CANARY – Return to Generator | PINK – Transporter Retain | GOLD – Generator Retain

WIE15

Advanced Disposal Services

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478371

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.
b. Generating Location:
c. Address: 1304 Saint Rose Road Cuba City, WI 53807
d. Address:
e. Phone No.:
f. Phone No.:

If owner of the generating facility differs from the generator, provide: Rich Rath 608-732-2916

g. Owner's Name:
h. Owner's Phone No.:
i. Waste Profile No.: AOL02290-864
j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity — Ld 1			
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D – DRUM, T – TRUCK, O – OTHER
UNITS: Y – YARDS, O – OTHER

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOTAL VOLUME

Robyn Jepsen | Robyn Jepsen | 10/22/19
Generator Authorized Agent Name | Signature | Shipment Date

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes c-g, Transporter II completes h-n)

TRANSPORTER I

a. Name: Unverferth
b. Address: 38001 Rooster Road Cuba City WI
c. Driver Name/Title: Joe Kaiser
d. Phone No.: 744-3668 (PRINT/TYPE) e. Truck No.: 110
f. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

g. Joe K
Driver Signature | 10/22/19 Shipment Date

TRANSPORTER II

h. Name:
i. Address:
j. Driver Name/Title:
k. Phone No.: (PRINT/TYPE) l. Truck No.:
m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n.
Driver Signature | Shipment Date

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.
b. Physical Address: 8290 Hwy 251, Davis Junction, IL 61020
c. Phone No.: 815-874-9000
d. Mailing Address: SAME
IEPA Site No.: 1410175005
e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f.
Name of Authorized Agent | Signature | 10/22/19 Receipt Date

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain | CANARY – Return to Generator | PINK – Transporter Retain | GOLD – Generator Retain

WE 110

Advanced Disposal Services

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478372

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.

b. Generating Location: 1304 Saint Rose Road

c. Address: Cuba City, WI 53807

d. Address:

e. Phone No.:

f. Phone No.:

If owner of the generating facility differs from the generator, provide:

g. Owner's Name: Rich Rath 608-732-2916

h. Owner's Phone No.:

i. Waste Profile No.: AOL02290-864

j. Description of Waste: C-Soil Unleaded Gas

	Quantity	Units	TYPE
k. Quantity — Ld 1			
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D – DRUM; T – TRUCK; O – OTHER

UNITS: Y – YARDS; O – OTHER

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOTAL VOLUME

Robyn Jensen — Robyn Jensen — 10/21/19

Generator Authorized Agent Name — Signature — Shipment Date

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes c-g; Transporter II completes h-n)

TRANSPORTER I

a. Name: Unidentified

b. Address: 3000 Roasta Road, Cuba City

c. Driver Name/Title: (PRINT/TYPE)

d. Phone No.: e. Truck No.:

f. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

g. Henry Fabrizzio — 10/21/19

Driver Signature — Shipment Date

TRANSPORTER II

h. Name:

i. Address:

j. Driver Name/Title: (PRINT/TYPE)

k. Phone No.: l. Truck No.:

m. Vehicle License No./State:

Acknowledgement of Receipt of Materials.

n. Driver Signature — Shipment Date

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.

b. Physical Address: 8290 Hwy 251, Davis Junction, IL 61020

c. Phone No.: 815-874-9000

d. Mailing Address: SAME

IEPA Site No.: 1410175005

e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — 10/21/19 Receipt Date

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WHITE – Destination Retain — CANARY – Return to Generator — PINK – Transporter Retain — GOLD – Generator Retain

WIE 113

Advanced Disposal Services

168913

CERTIFIED NON-SPECIAL WASTE MANIFEST

No. 478374

Section I **GENERATOR** (Generator completes all of Section I)

a. Generator Name: RISU, Inc.
b. Generating Location:
c. Address: 1304 Saint Rose Road Cuba City, WI 53807
d. Address:
e. Phone No.:
f. Phone No.:

If owner of the generating facility differs from the generator, provide:
g. Owner's Name: Rich Rath 608-732-2916
h. Owner's Phone No.:
i. Waste Profile No.: AOL02290-864 C-Soil Unleaded Gas
j. Description of Waste:

	Quantity	Units	TYPE
k. Quantity — Ld 1			
Quantity — Ld 2			
Quantity — Ld 3			
Quantity — Ld 4			

TYPE: D – DRUM, T – TRUCK, O – OTHER
UNITS: Y – YARDS, O – OTHER

*GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; **AND, if the waste is a treatment residue of a previously restricted hazardous waste** subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

TOTAL VOLUME

Robyn Seymour — Robyn Seymour — 10/22/19
Generator/Authorized Agent Name — Signature — Shipment Date

Section II **TRANSPORTER** (Generator completes a-d; Transporter I completes c-g; Transporter II completes h-n)

TRANSPORTER I	TRANSPORTER II
a. Name: Wiedenhoft	h. Name:
b. Address: 30001 Roastin Road Cuba City	i. Address:
c. Driver Name/Title: Kevin Schrader (PRINT/TYPE)	j. Driver Name/Title:
d. Phone No.: 608-744-2868 e. Truck No.: 109	k. Phone No.: (PRINT/TYPE) l. Truck No.:
f. Vehicle License No./State: 67804 W WI.	m. Vehicle License No./State:
Acknowledgement of Receipt of Materials.	Acknowledgement of Receipt of Materials.
g. Driver Signature — Shipment Date: 10/22/19	n. Driver Signature — Shipment Date

Section III **DESTINATION** (Generator completes a-d; destination site completes e-f)

a. Site Name: Advanced Disposal Services Orchard Hills Landfill Inc.
b. Physical Address: 8290 Hwy 251 Davis Junction, IL 61020
c. Phone No.: 815-874-9000
d. Mailing Address: SAME
IEPA Site No.: 1410175005
e. Discrepancy Indication Space:

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

f. Name of Authorized Agent — Signature — Receipt Date: 10/22/19

* Shipper refers to the company which owns, leases, operates, controls, or supervises the facility being demolished or renovated, or the demolition or renovation operation, or both.

WIE 109

WHITE – Destination Retain | CANARY – Return to Generator | PINK – Transporter Retain | GOLD – Generator Retain