Environmental Services, Inc.

Tel: 608-838-9120

January 10, 2017

PECFA #: 54768-1219-01
DNR #:03-09-560833

Ms. Gina Keenan
Wisconsin Department of Natural Resources
1300 West Clairemont Avenue
Eau Claire, Wisconsin 53702

RE: Project Update - Don Smith Sales
101 4th Avenue
Stanley, Wisconsin 54768

Dear Ms. Keenan:

Seymour Environmental Services, Inc. (Seymour) is pleased to present the results of the ongoing site investigation at Don Smith Sales (Figure 1) for your review. Contamination was discovered at the site during a tank removal in June of 2013. Seymour began work at the site in July 2014. Our initial soil and groundwater sampling was done with a Geoprobe™ rig. We submitted the results of that investigation in an update in January 2015 but included discussion of that work herein for your convenience.

Additional investigation has been conducted since that time including supplemental soil sampling and installation of monitoring wells. We have conducted two rounds of groundwater monitoring and are nearing $20,000 and will need to request additional costs. We wanted to provide this information so we can discuss future required work to achieve site closure.

Site and Consultant Information

Site Address:	Don Smith Sales (Former) 101 4th Avenue Stanley, Wisconsin 54768, Chippewa County NW ¼, SW ¼, Section 25 Township 29 North, Range 5 West
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

Supplemental Sampling

Seymour met Badger State Drilling at the site on October 5, 2015 to conduct additional soil sampling and to install monitoring wells. We were able to collect the planned soil samples but were not able to install the wells because we encountered refusal between 10 and 13 feet. We were surprised we were not able to install the wells with the drill rig since we had been able to collect groundwater samples with the geoprobes. We made three attempts to install wells but failed each time. We did install 5 borings to further define the extent of the soil contamination.

Seymour and Badger State returned to the site on March 31, 2016 with a larger drill rig (D-120 vs. CME 55 the first time) and prepared to drill with air-rotary. On the first boring we switched to air rotary at 12 feet and set the well at 16 feet. We realized that the bigger drill rig was able to auger the monitoring wells so the other two were installed using hollow stem augers.

The wells were then developed and have been sampled twice, on April 5 and July 15, 2016.

Discussion of Results

Soil Results

Soil contamination was discovered during the closure of an underground storage tank system located at the site. The tank system was located on the northern part of the site; the site layout including the locations of the former tank system is shown on Figure 2. A total of 12 soil samples were collected during the closure assessment. Analytical results showed that soil exceeding groundwater pathway RCLs was present in the southeast part of the tank bed. Additionally, soil contamination exceeding the groundwater pathway RCLs and direct contact RCLs was present near the former dispenser.

On July 23, 2014 additional assessment was conducted using direct push methods. Seven boings were installed. Boring B-1, B-6 and B-7 were installed around the former dispenser. Borings B-2 through B-5 were installed around the former tank basin. Very high levels of PVOCs were present in the soil sample from boring B-1, installed at the dispenser. The PVOC levels in the soil at this location exceeded the groundwater protection RCLs and a number of the compounds were present above the direct contact hazard levels for non-industrial properties. Two other borings (B-6 and B-7) were placed near the dispenser, neither of the samples contained significant levels of PVOCs. However, at least one PAH compound was present above the groundwater protection RCL in each sample. Additionally, several PAHs were present above the direct contact hazard levels (non-industrial) in the sample from B-7 located ~20 feet north of the former dispenser. Limited soil contamination was identified in the borings installed around the former tank basin. PVOCs were only detected in the sample collected from B-2. That sample was collected at a depth of 11 feet near the southeast corner of the former tank bed. Two PVOCs, trimethylbenzenes, and naphthalene, were present in the sample at concentration exceeding the groundwater protection RCL.

Supplemental sampling was then conducted in October 2015 to further define the shallow contamination associated with the former dispensers. Borings B-8 through B-12 were installed around the former dispensers. Soil samples were collected from all of the borings from the direct contact zone. Soil samples from borings B-9, B-10 and B-11 showed heavy contamination in the shallow zone (less than 1.5 feet) which improved with depth (3-4 feet.). Both groundwater protection RCLs and the non-industrial direct contact standards were exceeded from samples from each boring. No soil contamination was present in borings B-8 or B-12. Soil analytical results are summarized on Table 1 and the estimated extent of soil contamination in excess of the WDNR standards is shown on Figure 3. The laboratory reports from the recent work are attached.

Groundwater Results

Groundwater samples were collected from five of the geoprobes installed in July 2014. The analytical results show that compounds in excess of the DNR groundwater standards were exceeded in four of the five groundwater samples. The only sample that had no exceedance was from boring B-3 installed as a step-out boring to the south of B-2. Three PVOCs were identified in the groundwater at concentrations exceeding the NR140 ESs, benzene, trimethylbenzenes, and naphthalene. Generally, the highest contaminant levels identified were near the southeast corner of the former tank basin (B-2). The results showed that petroleum-related contamination extends across the northern portion of the property where the tank basin and dispensers formerly were located. Both PVOCs and PAHs were identified in the groundwater at concentrations exceeding the NR140 groundwater quality standards.

Based on the contaminants identified in the geoprobe groundwater samples three monitoring wells were installed. The wells were placed around the area where contamination had been identified. No well was placed within the footprint of the former tank bed. The monitoring wells were surveyed and the water levels were used to calculate the flow direction. The flow direction was west southwest during both monitoring events (Figures 4). The well construction and water level data are summarized on Table 2.

Groundwater sampling of the monitoring wells has been conducted twice since they were installed. Groundwater samples were analyzed for volatile organic compounds (VOCs) and PAHs during the first sampling and then PVOCs and PAHS the second sampling. The contaminant levels in the groundwater from the NR141 monitoring wells were much lower than the geoprobe groundwater results. No VOCs were present in the samples from the wells at concentrations that exceed NR141 standards. One PAH, chrysene, was present at the NR140 PAL in monitoring wells MW-1 and MW-2 during the initial groundwater monitoring event. Only very low levels of chrysene were detected during the second round of sampling. Groundwater analytical data is summarized in Table 3 and contamination extent is shown on Figure 5.

Summary and Conclusions

Data collected at the site indicates that limited additional work may be required to satisfy the requirements for site closure. The extent of soil contamination generally has been determined although the extent of the direct contact hazard soils extending to the east beneath the street right-of-way is not known. Groundwater contamination appears to be restricted to the area immediately surrounding the former tank system.

Once you have had a chance to review this we would like to discuss it with you. Please feel free to give Mark Fryman or me a call at (608) 838-9120.

Sincerely,
Seymour Environmental Services

Robyn Seymour
Hydrogeologist

Enclosures: Tables (3)
Figures (5)
Laboratory Reports (2)

TABLE 1 (page 1 of 2)
SUMMARY OF SOIL ANALYTICAL DATA
Don Smith Sales - 101 Fourth Avenue - Stanley, WI

DATE	SAMPLE	Depth (ft)	Benzene	1,2 Dichloroethane	Ethylbenzene	Methyl-tert-butyl ether	Toluene	1,3,5 Trimethylbenzene	1,2,4 Trimethylbenzene	Total Trimethylbenzenes	Total Xylenes	Naphthalene	Lead
Tank Closure 05/01/13	2001	10	**34.1**	na	7.4	<25.0	<25.0	324	548	872	344.1	**899**	na
	2002	10	<25.0	na	39.2	<25.0	<25.0	81.6	183	264.6	96.2	458	na
	2003	10	<25.0	na	<25.0	<25.0	<25.0	<25.0	31.9	31.9	<75.0	<25.0	na
	2004	10	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	na
	2005	10	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	na
	2006	10	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	na
	2007	10	<62.5	na	97.4	<62.5	<62.5	319	791	1110	171	**2650**	na
	2008	10	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	na
Geoprobe Drilling 07/23/14	2009	3	<1000	na	**47200**	<1000	**7800**	86700	153000	**239700**	**623000**	**56000**	na
	2010	3	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	na
	2011	3	<25.0	na	<25.0	<25.0	<25.0	<25.0	34.3	34.3	<75.0	<25.0	na
	2012	3	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	na
	B-1	5	**1750**	na	**51900**	**2250**	**53100**	53700	99000	**152700**	**264000**	30100	na
	B-2	11	**<312**	na	899	**<312**	<312	4060	9520	**13580**	<937	8500	na
	B-3	4	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	na
	B-3	9	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	na
	B-5	9.5	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	<25.0	na
	B-6	3.5	<25.0	na	<25.0	<25.0	<25.0	<25.0	42.7	42.7	<75.0	<25.0	na
	B-7	3.5	<25.0	na	<25.0	<25.0	<25.0	<25.0	29.0	29.0	<75.0	<25.0	na
Soil Borings 10/05/15	B-8	1.5	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	na	2.8
	B-9	1	<625	na	**24000**	<625	1070	47800	71700	**119500**	**61600**	na	9.9
	B-9	3	<25.0	na	<25.0	<25.0	<25.0	<25.0	38.0	38.0	<75.0	na	2.3
	B-10	1.5	<200	na	**5450**	<200	311	9900	11200	**21100**	**14590**	na	**318**
	B-10	4	<25.0	na	261	<25.0	39.0	584	664	1248	758	na	**27.2**
	B-11	1.5	**2150**	na	**36500**	**1420**	**5010**	61600	115000	**176600**	**107700**	na	**34.8**
	B-11	4	**78.1**	na	1520	<62.5	171	3400	4800	**8200**	**5350**	na	10.3
	B-12	2	<25.0	na	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<75.0	na	11.1
Groundwater Pathway RCLs			5.1	2.8	1570	27	1107	ns	ns	1379	3940	658.7	27
Direct Contact RCL (non-industrial)			1490	608	7470	59400	818000	182000	89800	ns	258000	5150	400

- PVOCs are reported in ug/kg; lead is in mg/kg
- na = not analyzed
- ns = no standard established
- Groundwater Protection RCL (exceedances bold)
- Non-industrial Direct Contact Hazard Level (exceedances underlined)
- Soil standards from R&R Calculator using Wisconsin defaults

TABLE 1 (page 2 of 2)
SUMMARY OF SOIL ANALYTICAL DATA
Don Smith Sales - 101 Fourth Avenue - Stanley, WI

DATE	SAMPLE	Depth (ft)	Acenaphthene	Acenaphthylene	Anthracene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b) fluoranthene	Benzo(g,h,i) perylene	Benzo(k) fluoranthene	Dibenzo (a,h)anthracene	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd) pyrene	1-Methyl naphthalene	2-Methyl naphthalene	Naphthalene	Phenanthrene	Pyrene
Geoprobe Drilling 07/23/14	B-1	5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	B-2	11	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	B-3	4	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	B-3	9	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	B-5	9.5	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
	B-6	3.5	130	<90.7	<105	<70.3	<72.5	<101	<77.2	<112	<74.4	<93.8	174	<101	<77.1	1030	1340	**2800**	270	207
	B-7	3.5	<9.6	109	129	542	**669**	**665**	339	433	125	621	906	15.0	327	127	212	208	288	890
Soil Borings 10/05/15	B-8	1.5	<8.8	<7.9	<9.2	<6.1	<6.3	<8.8	<6.7	<9.8	<6.5	<8.2	<8.8	<8.8	<6.7	<8.8	<8.8	<8.8	<8.8	<8.8
	B-9	1	<254	<227	<264	<176	<182	<254	<194	<281	<186	<235	<254	<254	<193	2580	5550	**7210**	<254	<254
	B-9	3	<8.7	<7.8	<9.0	<6.0	<6.2	<8.7	<6.6	<9.7	<6.4	<8.1	<8.7	<8.7	<6.6	26.4	51.3	59.7	<8.7	<8.7
	B-10	1.5	<10.1	60.9	72.8	268	376	331	213	301	71.6	**344**	325	14.3	191	87.1	110	209	116	312
	B-10	4	<10.1	<9.0	<10.4	<7.0	<7.2	<10.1	<7.7	<11.1	<7.4	<9.3	<10.1	<10.1	<7.7	<10.1	<10.1	<10.1	<10.1	<10.1
	B-11	1.5	<9.6	<8.6	<9.9	<6.6	<6.8	<9.6	<7.3	<10.6	<7.0	<8.8	<9.6	<9.6	<7.3	121	167	369	<9.6	<9.6
	B-11	4	<10.3	<9.3	<10.7	<7.2	<7.4	<10.3	<7.9	<11.4	<7.6	<9.6	<10.3	<10.3	<7.9	<10.3	<10.3	<10.3	<10.3	<10.3
	B-12	2	<10.4	<9.3	<10.8	14.7	21.0	25.2	12.4	22.7	<7.6	25.0	24.6	<10.4	10.5	<10.4	<10.4	10.7	<10.4	23.2
Groundwater Pathway RCLs			ns	ns	196,744	ns	470	480	ns	ns	ns	145.1	88,818	14,815	ns	ns	ns	658.7	ns	54,772
Direct Contact RCL (non-industrial)			3,440,000	ns	17,200,000	148	15	148	ns	1,480	15	14,800	2,290,000	2,290,000	148	15,600	229,000	5,150	ns	1,720,000

- PAHs are reported in ug/kg;
- na = not analyzed
- ns = no standard established

- Groundwater Protection RCL (exceedances bold)
- Non-industrial Direct Contact Hazard Level (exceedances underlined)
- Soil standards from R&R Calculator using Wisconsin defaults

TABLE 2
SUMMARY OF WELL CONSTRUCTION AND GROUNDWATER LEVEL DATA
Don Smith Sales - 101 Fourth Avenue
Stanley, WI

WELL CONSTRUCTION DETAILS

WELL	Date Installed	Top of Casing Elevation	Well Depth	Screen Length	Top of Screen Elevation	Base of Screen Elevation
MW-1	03/31/2016	1100.50	15.35	10	1095.15	1085.15
MW-2	03/31/2016	1100.36	15.90	10	1094.46	1084.46
MW-3	03/31/2016	1099.64	15.40	10	1094.24	1084.24

WATER LEVEL DATA

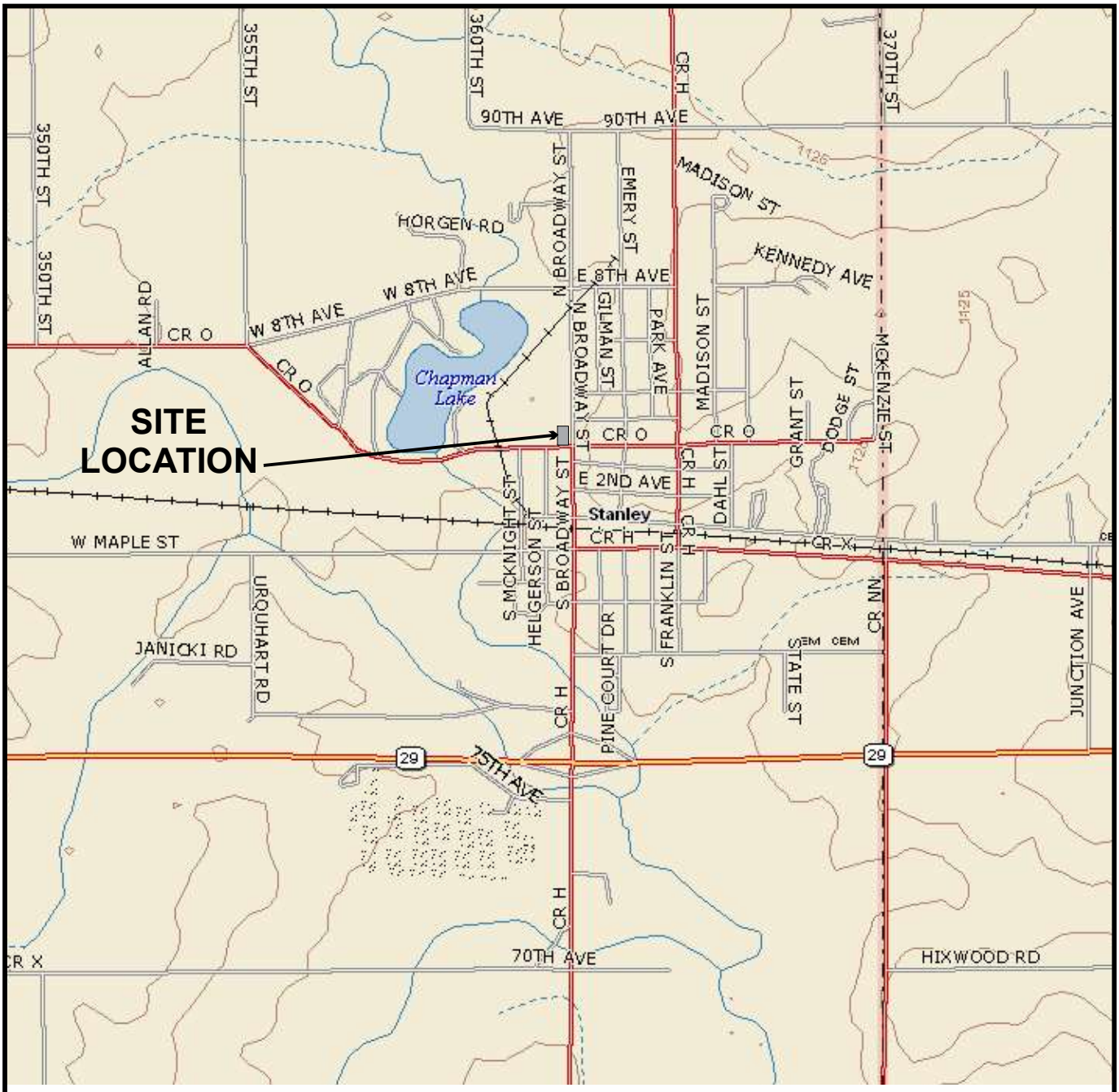
WELL	Top of Casing Elevation	4/5/2016		7/15/2016	
		GW Depth	GW Elevation	GW Depth	GW Elevation
MW-1	1100.50	7.78	1092.72	8.98	1091.52
MW-2	1100.36	8.00	1092.36	9.10	1091.26
MW-3	1099.64	6.80	1092.84	8.06	1091.58

- Depth and Length values are listed in feet
- Elevation data listed in feet above mean sea level (NGVD 1929)

TABLE 3
SUMMARY OF GROUNDWATER ANALYTICAL DATA FROM MONITORING WELLS
Don Smith Sales - 101 Fourth Avenue
Stanley, WI

Sample I.D.	B-1	B-2	B-3	B-4	B-5	MW-1		MW-2		MW-3		NR140	
PVOCs	07/23/14	07/23/14	07/23/14	07/23/14	07/23/14	04/05/16	07/15/16	04/05/16	07/15/16	04/05/16	07/15/16	ES	PAL
Benzene	**4.9**	**10.6**	**0.77** (J)	<4.0	<0.40	<0.50	<0.40	<0.50	<0.40	<0.50	<0.40	5	0.5
1,2 Dichloroethane	na	na	na	na	na	<0.17	na	<0.17	na	<0.17	na	5	0.5
Ethylbenzene	95.9	39.2	<0.39	25.8	3.7	<0.50	<0.39	6.3	8.9	<0.50	<0.39	700	140
Methyl-tert-butyl ether	<0.48	<0.48	<0.48	<4.8	<0.48	<0.17	<0.48	<0.17	<0.48	<0.17	<0.48	60	12
Toluene	152	1.9	<0.39	<3.9	<0.39	<0.50	<0.39	<0.50	<0.39	<0.50	<0.39	800	160
1,3,5 Trimethylbenzene	53.5	78.4	<0.42	24.5	7.7	<0.50	<0.42	<0.50	<0.42	1.0	<0.42	ns	ns
1,2,4 Trimethylbenzene	463	197	<0.42	77.7	17.9	<0.50	<0.42	<0.50	<0.42	2.1	<0.42	ns	ns
Total Trimethylbenzenes	**516.5**	**275.4**	<0.84	**102.2**	25.6	<1.00	<0.84	<1.00	<0.84	3.1	<0.84	480	96
Xylenes, -m, -p	379	55.8	<0.80	21.1	3.5	<1.0	<0.80	<1.0	1.3 (J)	1.3	<0.80	ns	ns
Xylene, -o	161	11.3	<0.45	<4.5	1.8	<0.50	<0.45	<0.50	<0.45	0.57	<0.45	ns	ns
Total Xylenes	**540**	67.1	<1.25	21.1	5.3	<1.5	<1.25	<1.5	1.3 (J)	1.87	<1.25	2000	400
Naphthalene	**43.7**	**312**	<0.42	**105**	**101**	<2.5	na	<2.5	na	<2.5	na	100	10
n-Butylbenzene	na	na	na	na	na	<0.50	na	3.6	na	<0.50	na	ns	ns
s-Butylbenzene	na	na	na	na	na	<2.2	na	3.8 (J)	na	<2.2	na	ns	ns
tert-Butylbenzene	na	na	na	na	na	<0.18	na	0.71 (J)	na	<0.18	na	ns	ns
Isopropylbenzene	na	na	na	na	na	<0.14	na	5.9	na	<0.14	na	ns	ns
n-mPropylbenzene	na	na	na	na	na	<0.50	na	8.5	na	<0.50	na	ns	ns
PAHs													
Acenaphthrene	na	237 (J)	0.036 (J)	3300	83.6	1.4	0.029 (J)	1.5	0.91	0.0086 (J)	<0.0046	ns	ns
Acenaphthylene	na	66.2 (J)	<0.010	1240 (J)	27.5 (J)	0.32	0.0048 (J)	0.29	0.068 (J)	<0.0048	<0.0045	ns	ns
Anthracene	na	82.5 (J)	0.020 (J)	**1730** (J)	59.4 (J)	0.31	0.012 (J)	0.046 (J)	0.043 (J)	0.0069 (J)	0.0073 (J)	3000	600
Benzo(a)anthracene	na	<28.4	<0.011	<318	<6.5	<0.0046	<0.0047	<0.023	<0.024	<0.0050	<0.0047	ns	ns
Benzo(a)pyrene	na	<21.1	<0.0080	<235	<4.8	<0.0039	<0.0041	<0.020	<0.020	<0.0043	<0.0041	0.2	0.02
Benzo(b)fluoranthene	na	<35.8	<0.014	<400	<8.2	0.0087 (J)	<0.0049	<0.024	<0.024	<0.0052	<0.0049	0.2	0.02
Benzo(g,h,i)perylene	na	<70.5	<0.027	<788	<16.1	0.0059 (J)	<0.0032	<0.016	<0.016	<0.0034	<0.0032	ns	ns
Benzo(k)fluoranthene	na	<25.3	<0.0096	<282	<5.8	0.0053 (J)	<0.0052	<0.026	<0.026	<0.0055	<0.0052	ns	ns
Chrysene	na	<45.3	<0.017	<506	<10.4	**0.025** (J)	0.0057 (J)	**0.020** (J)	<0.019	<0.0042	<0.0039	0.2	0.02
Dibenzo(a,h)anthracene	na	<77.4	<0.029	<865	<17.7	<0.0050	<0.0051	<0.025	<0.026	<0.0055	<0.0051	ns	ns
Fluoranthene	na	<20.0	0.012 (J)	**261** (J)	9.7 (J)	0.025 (J)	<0.0086	<0.043	<0.043	<0.0092	<0.0086	400	80
Fluorene	na	**383**	0.065 (J)	**6920**	**183**	2.1	0.011 (J)	1.7	0.99	0.0080 (J)	<0.0037	400	80
Indeno(1,2,3-cd)pyrene	na	<71.1	<0.027	<794	<16.3	0.0038 (J)	<0.0033	<0.016	<0.016	<0.0035	<0.0033	ns	ns
1-Methylnaphthalene	na	2730	0.62	37300	596	7.2	0.0076 (J)	44.5	12.7	0.22	<0.0028	ns	ns
2-Methylnaphthalene	na	1160	0.020 (J)	2600 (J)	66.0	0.069	0.0036 (J)	0.018 (J)	<0.013	0.240	<0.0025	ns	ns
Naphthalene	na	**760**	0.21	**7950**	**103**	0.22	0.031 (J)	1.8	1.0	0.22	<0.0042	100	10
Phenanthrene	na	971	0.086 (J)	14600	433	2.7	0.021 (J)	1.2	0.098 (J)	0.021 (J)	<0.0070	ns	ns
Pyrene	na	**58.5** (J)	0.012 (J)	**636** (J)	**51.7** (J)	0.084	0.050	<0.035	<0.035	<0.0075	<0.0071	250	50

- All results are reported in ug/l
- na = not analyzed
- ns = no standard established
- (J) = Present below limit of quantitation
- All detected compounds are included in table
- NR140 PAL = Preventative action limit (exceedances bold)
- NR140 ES = Enforcement standard (exceedances shaded)



N

0 2000' 4000'

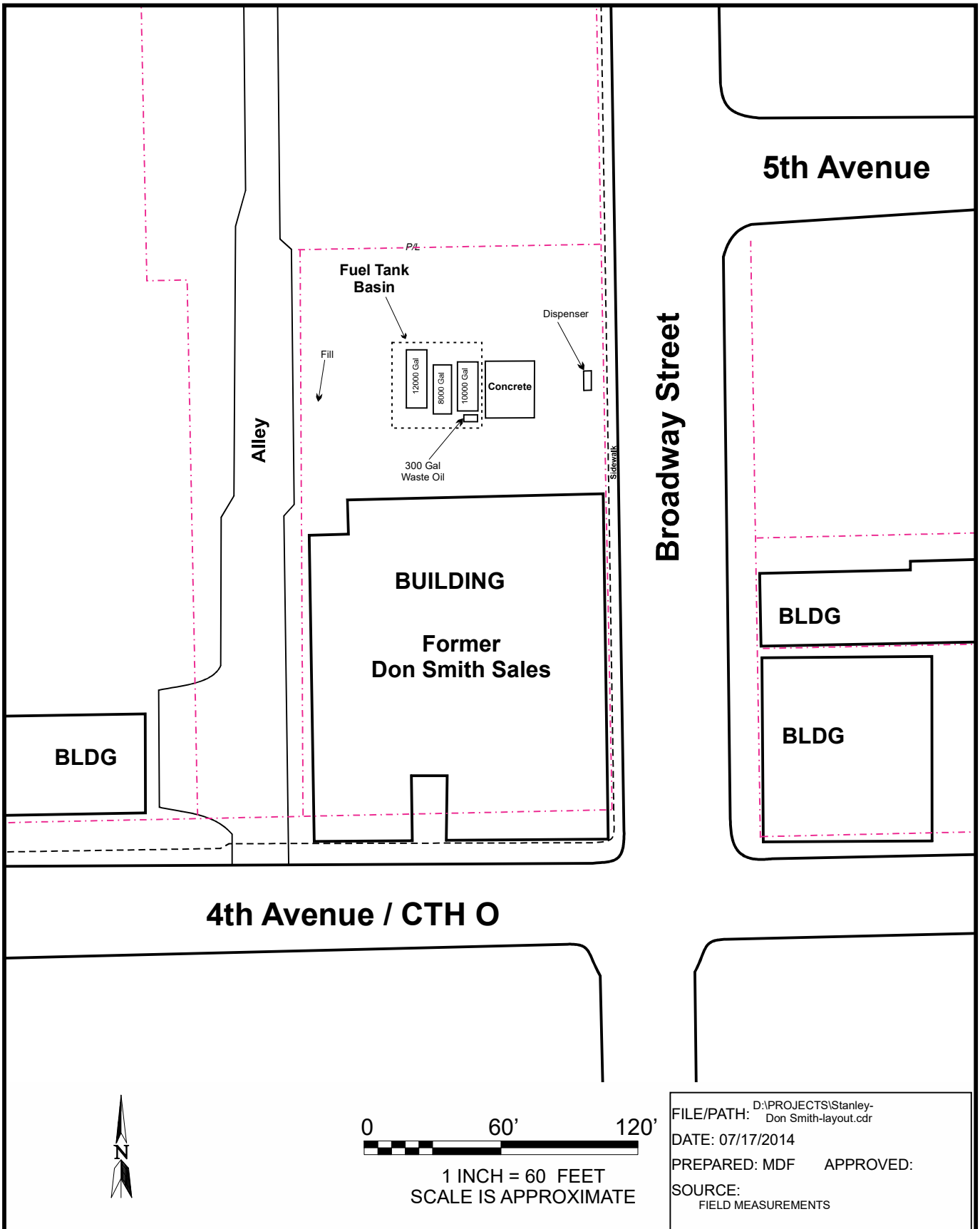
1 INCH = 2000 FEET
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\Stanley-Don Smith-layout.cdr
DATE: 10/25/2013
PREPARED: MDF APPROVED:
SOURCE: DeLORME TOPO USA

SEYMOUR ENVIRONMENTAL SERVICES, INC.

SITE LOCATION
DON SMITH SALES
101 4th Avenue
Stanley, Wisconsin

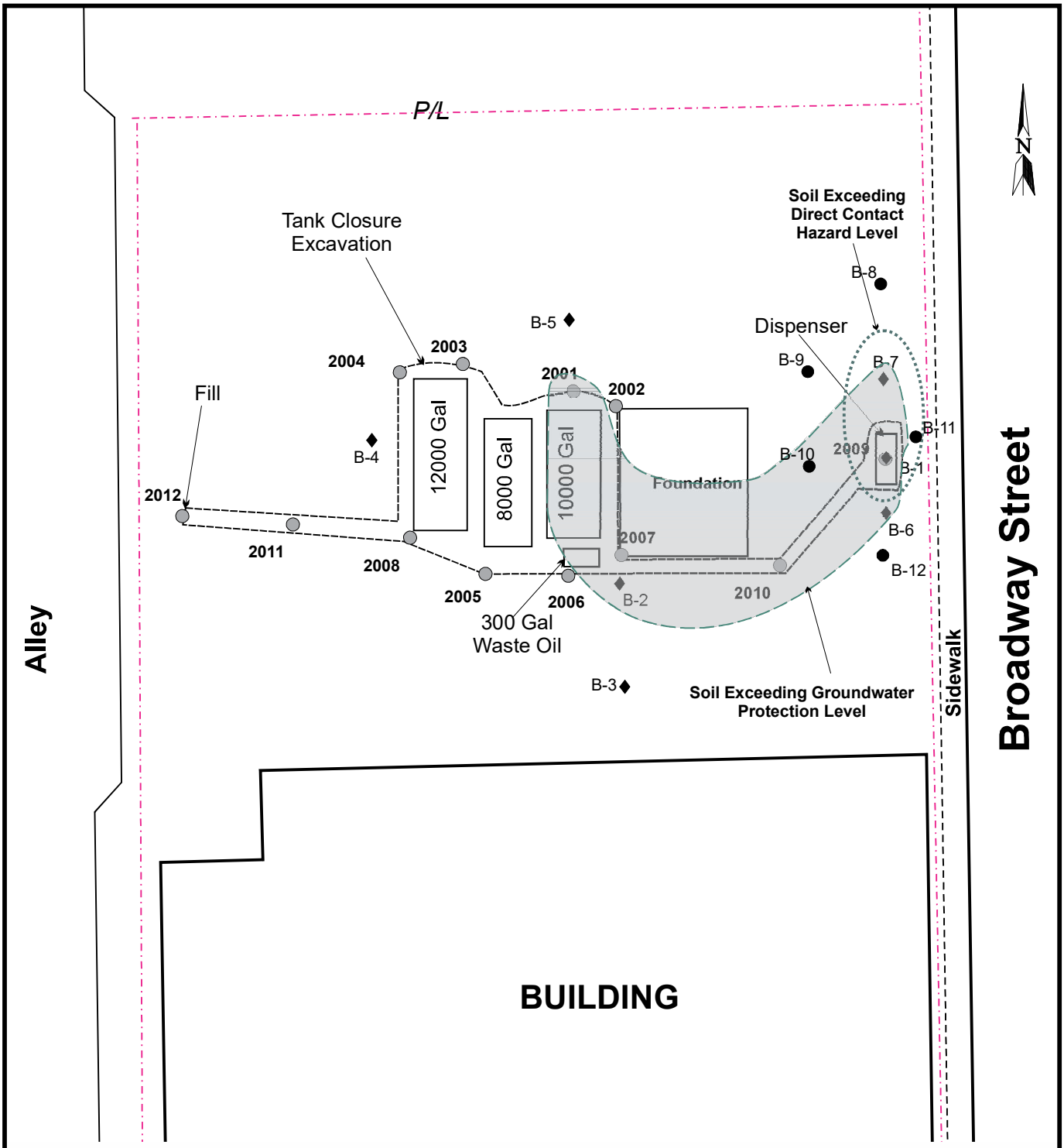
FIGURE 1



SEYMOUR ENVIRONMENTAL SERVICES, INC.

SITE LAYOUT
DON SMITH SALES
101 4th Avenue
Stanley, Wisconsin

FIGURE
2



LEGEND

2001 ○ - Tank Closure Sample

B5 ♦ - Geoprobe Boring

B8 ● - Soil Boring

0 25' 50'

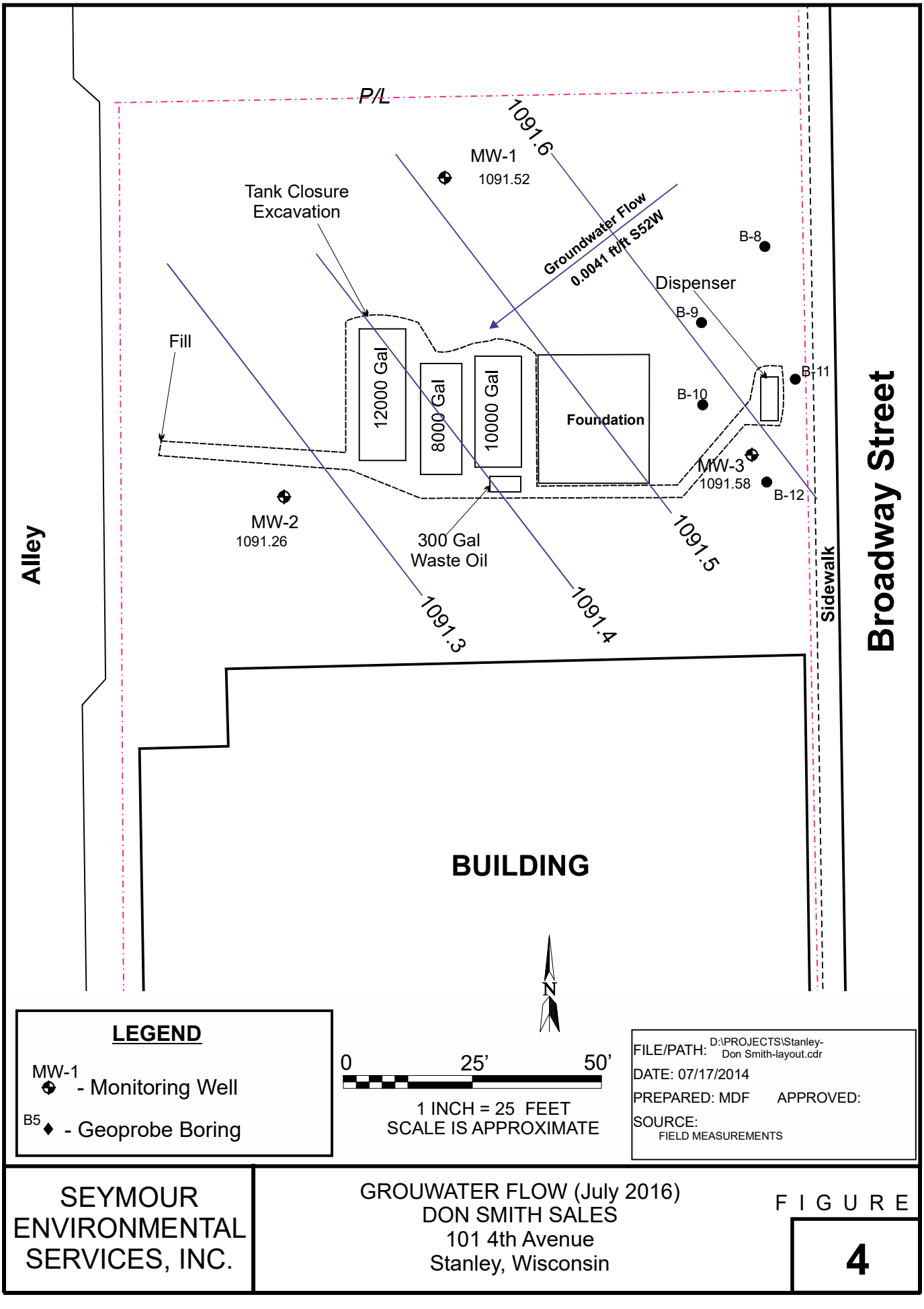
1 INCH = 25 FEET
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\Stanley-Don Smith-layout.cdr
DATE: 02/17/2015
PREPARED: MDF APPROVED:
SOURCE: FIELD MEASUREMENTS

SEYMOUR ENVIRONMENTAL SERVICES, INC.

EXTENT OF SOIL CONTAMINATION
DON SMITH SALES
101 4th Avenue
Stanley, Wisconsin

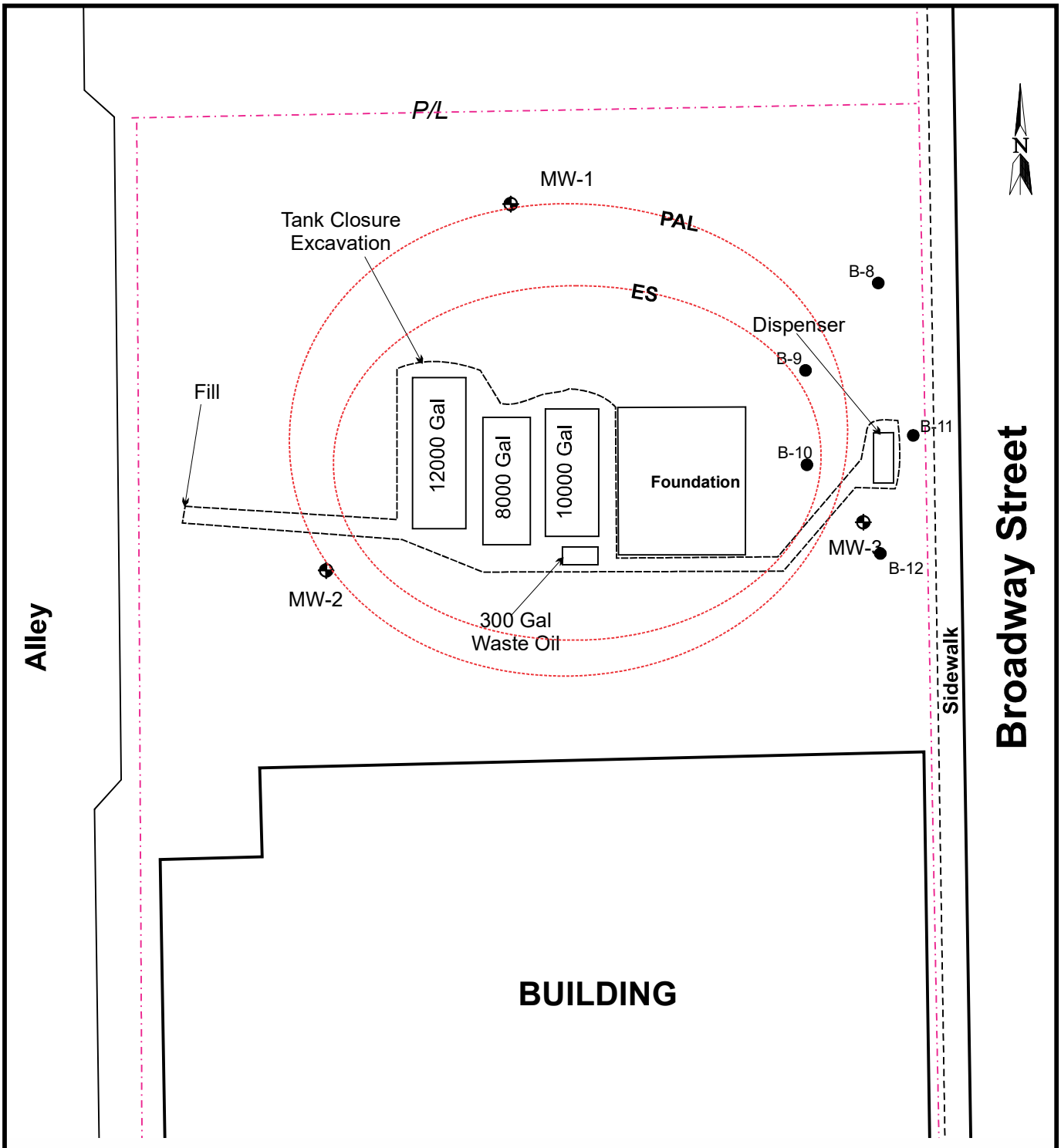
FIGURE 3



SEYMOUR ENVIRONMENTAL SERVICES, INC.

GROUWATER FLOW (July 2016)
DON SMITH SALES
101 4th Avenue
Stanley, Wisconsin

FIGURE
4



LEGEND

- Monitoring Well
2001 - Tank Closure Sample
B5 - Geoprobe Boring

0 25' 50'

1 INCH = 25 FEET
SCALE IS APPROXIMATE

FILE/PATH: D:\PROJECTS\Stanley-Don Smith-layout.cdr
DATE: 07/17/2014
PREPARED: MDF APPROVED:
SOURCE: FIELD MEASUREMENTS

SEYMOUR ENVIRONMENTAL SERVICES, INC.

EXTENT OF GROUNDWATER CONTAMINATION
DON SMITH SALES
101 4th Avenue
Stanley, Wisconsin

FIGURE 5

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

April 11, 2016

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

RE: Project: DON SMITH SALES
Pace Project No.: 40130190

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on April 05, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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
Project Manager

Enclosures

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

CERTIFICATIONS

Project: DON SMITH SALES
Pace Project No.: 40130190

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: DON SMITH SALES
Pace Project No.: 40130190

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40130190001	**MW-1**	Water	04/02/16 07:00	04/05/16 08:00
40130190002	**MW-2**	Water	04/02/16 07:18	04/05/16 08:00
40130190003	**MW-3**	Water	04/02/16 06:30	04/05/16 08:00

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SAMPLE ANALYTE COUNT

Project: DON SMITH SALES
Pace Project No.: 40130190

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40130190001	**MW-1**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	64	PASI-G
40130190002	**MW-2**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	64	PASI-G
40130190003	**MW-3**	EPA 8270 by HVI	TPO	20	PASI-G
		EPA 8260	HNW	64	PASI-G

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SUMMARY OF DETECTION

Project: DON SMITH SALES
Pace Project No.: 40130190

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40130190001	**MW-1**					
EPA 8270 by HVI	Acenaphthene	1.4	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	Acenaphthylene	0.32	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	Anthracene	0.31	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.0087J	ug/L	0.045	04/08/16 09:11	B
EPA 8270 by HVI	Benzo(g,h,i)perylene	0.0059J	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	Benzo(k)fluoranthene	0.0053J	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	Chrysene	0.025J	ug/L	0.045	04/08/16 09:11	B
EPA 8270 by HVI	Fluoranthene	0.025J	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	Fluorene	2.1	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	0.0038J	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	1-Methylnaphthalene	7.2	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	2-Methylnaphthalene	0.069	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	Naphthalene	0.22	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	Phenanthrene	2.7	ug/L	0.045	04/08/16 09:11	
EPA 8270 by HVI	Pyrene	0.084	ug/L	0.045	04/08/16 09:11	
40130190002	**MW-2**					
EPA 8270 by HVI	Acenaphthene	1.5	ug/L	0.23	04/08/16 10:07	
EPA 8270 by HVI	Acenaphthylene	0.29	ug/L	0.23	04/08/16 10:07	
EPA 8270 by HVI	Anthracene	0.046J	ug/L	0.23	04/08/16 10:07	
EPA 8270 by HVI	Chrysene	0.020J	ug/L	0.23	04/08/16 10:07	B
EPA 8270 by HVI	Fluorene	1.7	ug/L	0.23	04/08/16 10:07	
EPA 8270 by HVI	1-Methylnaphthalene	44.5	ug/L	0.23	04/08/16 10:07	
EPA 8270 by HVI	2-Methylnaphthalene	0.018J	ug/L	0.23	04/08/16 10:07	
EPA 8270 by HVI	Naphthalene	1.8	ug/L	0.23	04/08/16 10:07	
EPA 8270 by HVI	Phenanthrene	1.2	ug/L	0.23	04/08/16 10:07	
EPA 8260	n-Butylbenzene	3.6	ug/L	1.0	04/06/16 14:54	
EPA 8260	sec-Butylbenzene	3.8J	ug/L	5.0	04/06/16 14:54	
EPA 8260	tert-Butylbenzene	0.71J	ug/L	1.0	04/06/16 14:54	
EPA 8260	Ethylbenzene	6.3	ug/L	1.0	04/06/16 14:54	
EPA 8260	Isopropylbenzene (Cumene)	5.9	ug/L	1.0	04/06/16 14:54	
EPA 8260	n-Propylbenzene	8.5	ug/L	1.0	04/06/16 14:54	
40130190003	**MW-3**					
EPA 8270 by HVI	Acenaphthene	0.0086J	ug/L	0.049	04/08/16 08:54	
EPA 8270 by HVI	Anthracene	0.0069J	ug/L	0.049	04/08/16 08:54	
EPA 8270 by HVI	Fluorene	0.0080J	ug/L	0.049	04/08/16 08:54	
EPA 8270 by HVI	1-Methylnaphthalene	0.22	ug/L	0.049	04/08/16 08:54	
EPA 8270 by HVI	2-Methylnaphthalene	0.24	ug/L	0.049	04/08/16 08:54	
EPA 8270 by HVI	Naphthalene	0.22	ug/L	0.049	04/08/16 08:54	
EPA 8270 by HVI	Phenanthrene	0.021J	ug/L	0.049	04/08/16 08:54	
EPA 8260	1,2,4-Trimethylbenzene	2.1	ug/L	1.0	04/06/16 15:16	
EPA 8260	1,3,5-Trimethylbenzene	1.0	ug/L	1.0	04/06/16 15:16	
EPA 8260	m&p-Xylene	1.3J	ug/L	2.0	04/06/16 15:16	
EPA 8260	o-Xylene	0.57J	ug/L	1.0	04/06/16 15:16	

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1241 Bellevue Street - Suite 9
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(920)469-2436

ANALYTICAL RESULTS

Project: DON SMITH SALES
Pace Project No.: 40130190

Sample: MW-1 **Lab ID: 40130190001** Collected: 04/02/16 07:00 Received: 04/05/16 08:00 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	**1.4**	ug/L	0.045	0.0044	1	04/06/16 08:30	04/08/16 09:11	83-32-9	
Acenaphthylene	**0.32**	ug/L	0.045	0.0044	1	04/06/16 08:30	04/08/16 09:11	208-96-8	
Anthracene	**0.31**	ug/L	0.045	0.0036	1	04/06/16 08:30	04/08/16 09:11	120-12-7	
Benzo(a)anthracene	**<0.0046**	ug/L	0.045	0.0046	1	04/06/16 08:30	04/08/16 09:11	56-55-3	
Benzo(a)pyrene	**<0.0039**	ug/L	0.045	0.0039	1	04/06/16 08:30	04/08/16 09:11	50-32-8	
Benzo(b)fluoranthene	**0.0087J**	ug/L	0.045	0.0047	1	04/06/16 08:30	04/08/16 09:11	205-99-2	B
Benzo(g,h,i)perylene	**0.0059J**	ug/L	0.045	0.0031	1	04/06/16 08:30	04/08/16 09:11	191-24-2	
Benzo(k)fluoranthene	**0.0053J**	ug/L	0.045	0.0050	1	04/06/16 08:30	04/08/16 09:11	207-08-9	
Chrysene	**0.025J**	ug/L	0.045	0.0038	1	04/06/16 08:30	04/08/16 09:11	218-01-9	B
Dibenz(a,h)anthracene	**<0.0050**	ug/L	0.045	0.0050	1	04/06/16 08:30	04/08/16 09:11	53-70-3	
Fluoranthene	**0.025J**	ug/L	0.045	0.0084	1	04/06/16 08:30	04/08/16 09:11	206-44-0	
Fluorene	**2.1**	ug/L	0.045	0.0036	1	04/06/16 08:30	04/08/16 09:11	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0038J**	ug/L	0.045	0.0032	1	04/06/16 08:30	04/08/16 09:11	193-39-5	
1-Methylnaphthalene	**7.2**	ug/L	0.045	0.0028	1	04/06/16 08:30	04/08/16 09:11	90-12-0	
2-Methylnaphthalene	**0.069**	ug/L	0.045	0.0025	1	04/06/16 08:30	04/08/16 09:11	91-57-6	
Naphthalene	**0.22**	ug/L	0.045	0.0040	1	04/06/16 08:30	04/08/16 09:11	91-20-3	
Phenanthrene	**2.7**	ug/L	0.045	0.0068	1	04/06/16 08:30	04/08/16 09:11	85-01-8	
Pyrene	**0.084**	ug/L	0.045	0.0069	1	04/06/16 08:30	04/08/16 09:11	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	55	%	25-130		1	04/06/16 08:30	04/08/16 09:11	321-60-8	
Terphenyl-d14 (S)	51	%	13-158		1	04/06/16 08:30	04/08/16 09:11	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/06/16 14:31	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/06/16 14:31	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/06/16 14:31	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/06/16 14:31	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/06/16 14:31	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/06/16 14:31	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/06/16 14:31	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/06/16 14:31	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/06/16 14:31	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/06/16 14:31	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/06/16 14:31	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	106-46-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: DON SMITH SALES
Pace Project No.: 40130190

Sample: MW-1 **Lab ID: 40130190001** Collected: 04/02/16 07:00 Received: 04/05/16 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/06/16 14:31	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/16 14:31	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/06/16 14:31	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/06/16 14:31	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/16 14:31	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/16 14:31	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/06/16 14:31	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/06/16 14:31	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/06/16 14:31	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/06/16 14:31	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/06/16 14:31	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/06/16 14:31	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/06/16 14:31	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/06/16 14:31	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/06/16 14:31	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/06/16 14:31	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/06/16 14:31	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/06/16 14:31	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/06/16 14:31	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/06/16 14:31	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/06/16 14:31	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/06/16 14:31	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/06/16 14:31	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/06/16 14:31	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:31	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		1		04/06/16 14:31	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		04/06/16 14:31	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/06/16 14:31	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: DON SMITH SALES
Pace Project No.: 40130190

Sample: MW-2 **Lab ID: 40130190002** Collected: 04/02/16 07:18 Received: 04/05/16 08:00 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	**1.5**	ug/L	0.23	0.023	5	04/06/16 08:30	04/08/16 10:07	83-32-9	
Acenaphthylene	**0.29**	ug/L	0.23	0.022	5	04/06/16 08:30	04/08/16 10:07	208-96-8	
Anthracene	**0.046J**	ug/L	0.23	0.018	5	04/06/16 08:30	04/08/16 10:07	120-12-7	
Benzo(a)anthracene	**<0.023**	ug/L	0.23	0.023	5	04/06/16 08:30	04/08/16 10:07	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.23	0.020	5	04/06/16 08:30	04/08/16 10:07	50-32-8	
Benzo(b)fluoranthene	**<0.024**	ug/L	0.23	0.024	5	04/06/16 08:30	04/08/16 10:07	205-99-2	
Benzo(g,h,i)perylene	**<0.016**	ug/L	0.23	0.016	5	04/06/16 08:30	04/08/16 10:07	191-24-2	
Benzo(k)fluoranthene	**<0.026**	ug/L	0.23	0.026	5	04/06/16 08:30	04/08/16 10:07	207-08-9	
Chrysene	**0.020J**	ug/L	0.23	0.019	5	04/06/16 08:30	04/08/16 10:07	218-01-9	B
Dibenz(a,h)anthracene	**<0.025**	ug/L	0.23	0.025	5	04/06/16 08:30	04/08/16 10:07	53-70-3	
Fluoranthene	**<0.043**	ug/L	0.23	0.043	5	04/06/16 08:30	04/08/16 10:07	206-44-0	
Fluorene	**1.7**	ug/L	0.23	0.018	5	04/06/16 08:30	04/08/16 10:07	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.23	0.016	5	04/06/16 08:30	04/08/16 10:07	193-39-5	
1-Methylnaphthalene	**44.5**	ug/L	0.23	0.014	5	04/06/16 08:30	04/08/16 10:07	90-12-0	
2-Methylnaphthalene	**0.018J**	ug/L	0.23	0.012	5	04/06/16 08:30	04/08/16 10:07	91-57-6	
Naphthalene	**1.8**	ug/L	0.23	0.021	5	04/06/16 08:30	04/08/16 10:07	91-20-3	
Phenanthrene	**1.2**	ug/L	0.23	0.035	5	04/06/16 08:30	04/08/16 10:07	85-01-8	
Pyrene	**<0.035**	ug/L	0.23	0.035	5	04/06/16 08:30	04/08/16 10:07	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	51	%	25-130		5	04/06/16 08:30	04/08/16 10:07	321-60-8	
Terphenyl-d14 (S)	78	%	13-158		5	04/06/16 08:30	04/08/16 10:07	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/06/16 14:54	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/06/16 14:54	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/06/16 14:54	74-83-9	
n-Butylbenzene	**3.6**	ug/L	1.0	0.50	1		04/06/16 14:54	104-51-8	
sec-Butylbenzene	**3.8J**	ug/L	5.0	2.2	1		04/06/16 14:54	135-98-8	
tert-Butylbenzene	**0.71J**	ug/L	1.0	0.18	1		04/06/16 14:54	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/06/16 14:54	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/06/16 14:54	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/06/16 14:54	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/06/16 14:54	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/06/16 14:54	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/06/16 14:54	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	106-46-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: DON SMITH SALES
Pace Project No.: 40130190

Sample: MW-2 **Lab ID: 40130190002** Collected: 04/02/16 07:18 Received: 04/05/16 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/06/16 14:54	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/16 14:54	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/06/16 14:54	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/06/16 14:54	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/16 14:54	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/16 14:54	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/06/16 14:54	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/06/16 14:54	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/06/16 14:54	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/06/16 14:54	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	108-20-3	
Ethylbenzene	**6.3**	ug/L	1.0	0.50	1		04/06/16 14:54	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/06/16 14:54	87-68-3	
Isopropylbenzene (Cumene)	**5.9**	ug/L	1.0	0.14	1		04/06/16 14:54	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/06/16 14:54	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/06/16 14:54	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/06/16 14:54	91-20-3	
n-Propylbenzene	**8.5**	ug/L	1.0	0.50	1		04/06/16 14:54	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/06/16 14:54	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/06/16 14:54	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/06/16 14:54	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/06/16 14:54	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/06/16 14:54	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/06/16 14:54	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/06/16 14:54	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	96-18-4	
1,2,4-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	95-63-6	
1,3,5-Trimethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/06/16 14:54	75-01-4	
m&p-Xylene	**<1.0**	ug/L	2.0	1.0	1		04/06/16 14:54	179601-23-1	
o-Xylene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 14:54	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/06/16 14:54	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/06/16 14:54	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		04/06/16 14:54	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: DON SMITH SALES
Pace Project No.: 40130190

Sample: MW-3 **Lab ID: 40130190003** Collected: 04/02/16 06:30 Received: 04/05/16 08:00 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	**0.0086J**	ug/L	0.049	0.0049	1	04/06/16 08:30	04/08/16 08:54	83-32-9	
Acenaphthylene	**<0.0048**	ug/L	0.049	0.0048	1	04/06/16 08:30	04/08/16 08:54	208-96-8	
Anthracene	**0.0069J**	ug/L	0.049	0.0040	1	04/06/16 08:30	04/08/16 08:54	120-12-7	
Benzo(a)anthracene	**<0.0050**	ug/L	0.049	0.0050	1	04/06/16 08:30	04/08/16 08:54	56-55-3	
Benzo(a)pyrene	**<0.0043**	ug/L	0.049	0.0043	1	04/06/16 08:30	04/08/16 08:54	50-32-8	
Benzo(b)fluoranthene	**<0.0052**	ug/L	0.049	0.0052	1	04/06/16 08:30	04/08/16 08:54	205-99-2	
Benzo(g,h,i)perylene	**<0.0034**	ug/L	0.049	0.0034	1	04/06/16 08:30	04/08/16 08:54	191-24-2	
Benzo(k)fluoranthene	**<0.0055**	ug/L	0.049	0.0055	1	04/06/16 08:30	04/08/16 08:54	207-08-9	
Chrysene	**<0.0042**	ug/L	0.049	0.0042	1	04/06/16 08:30	04/08/16 08:54	218-01-9	
Dibenz(a,h)anthracene	**<0.0055**	ug/L	0.049	0.0055	1	04/06/16 08:30	04/08/16 08:54	53-70-3	
Fluoranthene	**<0.0092**	ug/L	0.049	0.0092	1	04/06/16 08:30	04/08/16 08:54	206-44-0	
Fluorene	**0.0080J**	ug/L	0.049	0.0040	1	04/06/16 08:30	04/08/16 08:54	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0035**	ug/L	0.049	0.0035	1	04/06/16 08:30	04/08/16 08:54	193-39-5	
1-Methylnaphthalene	**0.22**	ug/L	0.049	0.0030	1	04/06/16 08:30	04/08/16 08:54	90-12-0	
2-Methylnaphthalene	**0.24**	ug/L	0.049	0.0027	1	04/06/16 08:30	04/08/16 08:54	91-57-6	
Naphthalene	**0.22**	ug/L	0.049	0.0044	1	04/06/16 08:30	04/08/16 08:54	91-20-3	
Phenanthrene	**0.021J**	ug/L	0.049	0.0075	1	04/06/16 08:30	04/08/16 08:54	85-01-8	
Pyrene	**<0.0075**	ug/L	0.049	0.0075	1	04/06/16 08:30	04/08/16 08:54	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	64	%	25-130		1	04/06/16 08:30	04/08/16 08:54	321-60-8	
Terphenyl-d14 (S)	88	%	13-158		1	04/06/16 08:30	04/08/16 08:54	1718-51-0	
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	71-43-2	
Bromobenzene	**<0.23**	ug/L	1.0	0.23	1		04/06/16 15:16	108-86-1	
Bromochloromethane	**<0.34**	ug/L	1.0	0.34	1		04/06/16 15:16	74-97-5	
Bromodichloromethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	75-27-4	
Bromoform	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	75-25-2	
Bromomethane	**<2.4**	ug/L	5.0	2.4	1		04/06/16 15:16	74-83-9	
n-Butylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	104-51-8	
sec-Butylbenzene	**<2.2**	ug/L	5.0	2.2	1		04/06/16 15:16	135-98-8	
tert-Butylbenzene	**<0.18**	ug/L	1.0	0.18	1		04/06/16 15:16	98-06-6	
Carbon tetrachloride	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	56-23-5	
Chlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	108-90-7	
Chloroethane	**<0.37**	ug/L	1.0	0.37	1		04/06/16 15:16	75-00-3	
Chloroform	**<2.5**	ug/L	5.0	2.5	1		04/06/16 15:16	67-66-3	
Chloromethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	74-87-3	
2-Chlorotoluene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	95-49-8	
4-Chlorotoluene	**<0.21**	ug/L	1.0	0.21	1		04/06/16 15:16	106-43-4	
1,2-Dibromo-3-chloropropane	**<2.2**	ug/L	5.0	2.2	1		04/06/16 15:16	96-12-8	
Dibromochloromethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	124-48-1	
1,2-Dibromoethane (EDB)	**<0.18**	ug/L	1.0	0.18	1		04/06/16 15:16	106-93-4	
Dibromomethane	**<0.43**	ug/L	1.0	0.43	1		04/06/16 15:16	74-95-3	
1,2-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	95-50-1	
1,3-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	541-73-1	
1,4-Dichlorobenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	106-46-7	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: DON SMITH SALES
Pace Project No.: 40130190

Sample: MW-3 **Lab ID: 40130190003** Collected: 04/02/16 06:30 Received: 04/05/16 08:00 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Dichlorodifluoromethane	**<0.22**	ug/L	1.0	0.22	1		04/06/16 15:16	75-71-8	
1,1-Dichloroethane	**<0.24**	ug/L	1.0	0.24	1		04/06/16 15:16	75-34-3	
1,2-Dichloroethane	**<0.17**	ug/L	1.0	0.17	1		04/06/16 15:16	107-06-2	
1,1-Dichloroethene	**<0.41**	ug/L	1.0	0.41	1		04/06/16 15:16	75-35-4	
cis-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/16 15:16	156-59-2	
trans-1,2-Dichloroethene	**<0.26**	ug/L	1.0	0.26	1		04/06/16 15:16	156-60-5	
1,2-Dichloropropane	**<0.23**	ug/L	1.0	0.23	1		04/06/16 15:16	78-87-5	
1,3-Dichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	142-28-9	
2,2-Dichloropropane	**<0.48**	ug/L	1.0	0.48	1		04/06/16 15:16	594-20-7	
1,1-Dichloropropene	**<0.44**	ug/L	1.0	0.44	1		04/06/16 15:16	563-58-6	
cis-1,3-Dichloropropene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	10061-01-5	
trans-1,3-Dichloropropene	**<0.23**	ug/L	1.0	0.23	1		04/06/16 15:16	10061-02-6	
Diisopropyl ether	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	108-20-3	
Ethylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	100-41-4	
Hexachloro-1,3-butadiene	**<2.1**	ug/L	5.0	2.1	1		04/06/16 15:16	87-68-3	
Isopropylbenzene (Cumene)	**<0.14**	ug/L	1.0	0.14	1		04/06/16 15:16	98-82-8	
p-Isopropyltoluene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	99-87-6	
Methylene Chloride	**<0.23**	ug/L	1.0	0.23	1		04/06/16 15:16	75-09-2	
Methyl-tert-butyl ether	**<0.17**	ug/L	1.0	0.17	1		04/06/16 15:16	1634-04-4	
Naphthalene	**<2.5**	ug/L	5.0	2.5	1		04/06/16 15:16	91-20-3	
n-Propylbenzene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	103-65-1	
Styrene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.18**	ug/L	1.0	0.18	1		04/06/16 15:16	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.25**	ug/L	1.0	0.25	1		04/06/16 15:16	79-34-5	
Tetrachloroethene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	127-18-4	
Toluene	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	108-88-3	
1,2,3-Trichlorobenzene	**<2.1**	ug/L	5.0	2.1	1		04/06/16 15:16	87-61-6	
1,2,4-Trichlorobenzene	**<2.2**	ug/L	5.0	2.2	1		04/06/16 15:16	120-82-1	
1,1,1-Trichloroethane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	71-55-6	
1,1,2-Trichloroethane	**<0.20**	ug/L	1.0	0.20	1		04/06/16 15:16	79-00-5	
Trichloroethene	**<0.33**	ug/L	1.0	0.33	1		04/06/16 15:16	79-01-6	
Trichlorofluoromethane	**<0.18**	ug/L	1.0	0.18	1		04/06/16 15:16	75-69-4	
1,2,3-Trichloropropane	**<0.50**	ug/L	1.0	0.50	1		04/06/16 15:16	96-18-4	
1,2,4-Trimethylbenzene	**2.1**	ug/L	1.0	0.50	1		04/06/16 15:16	95-63-6	
1,3,5-Trimethylbenzene	**1.0**	ug/L	1.0	0.50	1		04/06/16 15:16	108-67-8	
Vinyl chloride	**<0.18**	ug/L	1.0	0.18	1		04/06/16 15:16	75-01-4	
m&p-Xylene	**1.3J**	ug/L	2.0	1.0	1		04/06/16 15:16	179601-23-1	
o-Xylene	**0.57J**	ug/L	1.0	0.50	1		04/06/16 15:16	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	95	%	70-130		1		04/06/16 15:16	460-00-4	
Dibromofluoromethane (S)	95	%	70-130		1		04/06/16 15:16	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/06/16 15:16	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: DON SMITH SALES
Pace Project No.: 40130190

QC Batch: MSV/32873 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40130190001, 40130190002, 40130190003

METHOD BLANK: 1315594 Matrix: Water
Associated Lab Samples: 40130190001, 40130190002, 40130190003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	04/06/16 07:26	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	04/06/16 07:26	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	04/06/16 07:26	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	04/06/16 07:26	
1,1-Dichloroethane	ug/L	<0.24	1.0	04/06/16 07:26	
1,1-Dichloroethene	ug/L	<0.41	1.0	04/06/16 07:26	
1,1-Dichloropropene	ug/L	<0.44	1.0	04/06/16 07:26	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	04/06/16 07:26	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	04/06/16 07:26	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	04/06/16 07:26	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	04/06/16 07:26	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	04/06/16 07:26	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	04/06/16 07:26	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	04/06/16 07:26	
1,2-Dichloroethane	ug/L	<0.17	1.0	04/06/16 07:26	
1,2-Dichloropropane	ug/L	<0.23	1.0	04/06/16 07:26	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	04/06/16 07:26	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	04/06/16 07:26	
1,3-Dichloropropane	ug/L	<0.50	1.0	04/06/16 07:26	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	04/06/16 07:26	
2,2-Dichloropropane	ug/L	<0.48	1.0	04/06/16 07:26	
2-Chlorotoluene	ug/L	<0.50	1.0	04/06/16 07:26	
4-Chlorotoluene	ug/L	<0.21	1.0	04/06/16 07:26	
Benzene	ug/L	<0.50	1.0	04/06/16 07:26	
Bromobenzene	ug/L	<0.23	1.0	04/06/16 07:26	
Bromochloromethane	ug/L	<0.34	1.0	04/06/16 07:26	
Bromodichloromethane	ug/L	<0.50	1.0	04/06/16 07:26	
Bromoform	ug/L	<0.50	1.0	04/06/16 07:26	
Bromomethane	ug/L	<2.4	5.0	04/06/16 07:26	
Carbon tetrachloride	ug/L	<0.50	1.0	04/06/16 07:26	
Chlorobenzene	ug/L	<0.50	1.0	04/06/16 07:26	
Chloroethane	ug/L	<0.37	1.0	04/06/16 07:26	
Chloroform	ug/L	<2.5	5.0	04/06/16 07:26	
Chloromethane	ug/L	<0.50	1.0	04/06/16 07:26	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	04/06/16 07:26	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	04/06/16 07:26	
Dibromochloromethane	ug/L	<0.50	1.0	04/06/16 07:26	
Dibromomethane	ug/L	<0.43	1.0	04/06/16 07:26	
Dichlorodifluoromethane	ug/L	<0.22	1.0	04/06/16 07:26	
Diisopropyl ether	ug/L	<0.50	1.0	04/06/16 07:26	
Ethylbenzene	ug/L	<0.50	1.0	04/06/16 07:26	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: DON SMITH SALES
Pace Project No.: 40130190

METHOD BLANK: 1315594 Matrix: Water
Associated Lab Samples: 40130190001, 40130190002, 40130190003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	04/06/16 07:26	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	04/06/16 07:26	
m&p-Xylene	ug/L	<1.0	2.0	04/06/16 07:26	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	04/06/16 07:26	
Methylene Chloride	ug/L	<0.23	1.0	04/06/16 07:26	
n-Butylbenzene	ug/L	<0.50	1.0	04/06/16 07:26	
n-Propylbenzene	ug/L	<0.50	1.0	04/06/16 07:26	
Naphthalene	ug/L	<2.5	5.0	04/06/16 07:26	
o-Xylene	ug/L	<0.50	1.0	04/06/16 07:26	
p-Isopropyltoluene	ug/L	<0.50	1.0	04/06/16 07:26	
sec-Butylbenzene	ug/L	<2.2	5.0	04/06/16 07:26	
Styrene	ug/L	<0.50	1.0	04/06/16 07:26	
tert-Butylbenzene	ug/L	<0.18	1.0	04/06/16 07:26	
Tetrachloroethene	ug/L	<0.50	1.0	04/06/16 07:26	
Toluene	ug/L	<0.50	1.0	04/06/16 07:26	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	04/06/16 07:26	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	04/06/16 07:26	
Trichloroethene	ug/L	<0.33	1.0	04/06/16 07:26	
Trichlorofluoromethane	ug/L	<0.18	1.0	04/06/16 07:26	
Vinyl chloride	ug/L	<0.18	1.0	04/06/16 07:26	
4-Bromofluorobenzene (S)	%	93	70-130	04/06/16 07:26	
Dibromofluoromethane (S)	%	104	70-130	04/06/16 07:26	
Toluene-d8 (S)	%	95	70-130	04/06/16 07:26	

LABORATORY CONTROL SAMPLE: 1315595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	53.6	107	70-131	
1,1,2,2-Tetrachloroethane	ug/L	50	47.0	94	67-130	
1,1,2-Trichloroethane	ug/L	50	49.4	99	70-130	
1,1-Dichloroethane	ug/L	50	51.3	103	70-133	
1,1-Dichloroethene	ug/L	50	50.9	102	70-130	
1,2,4-Trichlorobenzene	ug/L	50	45.0	90	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	43.4	87	50-150	
1,2-Dibromoethane (EDB)	ug/L	50	49.2	98	70-130	
1,2-Dichlorobenzene	ug/L	50	48.6	97	70-130	
1,2-Dichloroethane	ug/L	50	50.4	101	70-130	
1,2-Dichloropropane	ug/L	50	49.0	98	70-130	
1,3-Dichlorobenzene	ug/L	50	48.1	96	70-130	
1,4-Dichlorobenzene	ug/L	50	48.9	98	70-130	
Benzene	ug/L	50	48.9	98	60-135	
Bromodichloromethane	ug/L	50	50.3	101	70-130	
Bromoform	ug/L	50	48.4	97	70-130	
Bromomethane	ug/L	50	39.8	80	33-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: DON SMITH SALES
Pace Project No.: 40130190

LABORATORY CONTROL SAMPLE: 1315595

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.3	107	70-138	
Chlorobenzene	ug/L	50	49.1	98	70-130	
Chloroethane	ug/L	50	51.2	102	51-130	
Chloroform	ug/L	50	51.8	104	70-130	
Chloromethane	ug/L	50	51.3	103	25-132	
cis-1,2-Dichloroethene	ug/L	50	48.0	96	69-130	
cis-1,3-Dichloropropene	ug/L	50	46.1	92	70-130	
Dibromochloromethane	ug/L	50	46.3	93	70-130	
Dichlorodifluoromethane	ug/L	50	48.2	96	23-130	
Ethylbenzene	ug/L	50	50.0	100	70-136	
Isopropylbenzene (Cumene)	ug/L	50	51.7	103	70-140	
m&p-Xylene	ug/L	100	103	103	70-138	
Methyl-tert-butyl ether	ug/L	50	46.6	93	66-138	
Methylene Chloride	ug/L	50	50.8	102	70-130	
o-Xylene	ug/L	50	50.0	100	70-134	
Styrene	ug/L	50	53.2	106	70-133	
Tetrachloroethene	ug/L	50	51.3	103	70-138	
Toluene	ug/L	50	49.1	98	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.2	102	70-131	
trans-1,3-Dichloropropene	ug/L	50	42.1	84	69-130	
Trichloroethene	ug/L	50	50.8	102	70-130	
Trichlorofluoromethane	ug/L	50	58.4	117	50-150	
Vinyl chloride	ug/L	50	52.9	106	49-130	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			98	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315628 1315629

Parameter	Units	40130193001 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	<0.50	50	50	53.7	53.9	107	108	70-134	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	48.2	49.9	96	100	67-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	49.7	49.1	99	98	70-130	1	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	51.6	52.1	103	104	70-134	1	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	52.1	52.5	104	105	68-136	1	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	46.4	47.4	93	95	62-139	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	44.8	47.3	90	95	50-150	5	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	50.0	49.7	100	99	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	49.4	50.5	99	101	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	50.8	51.7	102	103	70-130	2	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	49.3	49.3	99	99	70-130	0	20	
1,3-Dichlorobenzene	ug/L	<0.50	50	50	49.1	49.9	98	100	70-131	2	20	
1,4-Dichlorobenzene	ug/L	<0.50	50	50	49.4	50.9	99	102	70-130	3	20	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: DON SMITH SALES
Pace Project No.: 40130190

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315628 1315629

Parameter	Units	40130193001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	0.51J	50	50	49.7	50.6	98	100	57-138	2	20	
Bromodichloromethane	ug/L	<0.50	50	50	50.5	52.1	101	104	70-130	3	20	
Bromoform	ug/L	<0.50	50	50	48.6	48.8	97	98	70-130	1	20	
Bromomethane	ug/L	<2.4	50	50	44.2	47.5	88	95	33-130	7	27	
Carbon tetrachloride	ug/L	<0.50	50	50	54.6	54.8	109	110	70-138	0	20	
Chlorobenzene	ug/L	<0.50	50	50	49.1	48.6	98	97	70-130	1	20	
Chloroethane	ug/L	<0.37	50	50	51.7	52.1	103	104	51-130	1	20	
Chloroform	ug/L	<2.5	50	50	52.2	52.4	104	105	70-130	0	20	
Chloromethane	ug/L	<0.50	50	50	51.9	53.5	104	107	25-132	3	20	
cis-1,2-Dichloroethene	ug/L	75.1	50	50	127	127	105	103	61-140	1	20	
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	46.1	48.0	92	96	70-130	4	20	
Dibromochloromethane	ug/L	<0.50	50	50	46.6	46.5	93	93	70-130	0	20	
Dichlorodifluoromethane	ug/L	<0.22	50	50	47.0	47.4	94	95	23-130	1	20	
Ethylbenzene	ug/L	<0.50	50	50	50.4	50.0	101	100	70-138	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	52.0	51.5	104	103	70-152	1	20	
m&p-Xylene	ug/L	<1.0	100	100	105	103	105	103	70-140	1	20	
Methyl-tert-butyl ether	ug/L	<0.17	50	50	46.9	47.7	94	95	66-139	2	20	
Methylene Chloride	ug/L	<0.23	50	50	52.0	52.4	104	105	70-130	1	20	
o-Xylene	ug/L	<0.50	50	50	49.9	49.6	100	99	70-134	0	20	
Styrene	ug/L	<0.50	50	50	53.6	52.7	107	105	70-138	2	20	
Tetrachloroethene	ug/L	3.6	50	50	55.7	55.1	104	103	70-148	1	20	
Toluene	ug/L	<0.50	50	50	49.4	48.9	99	98	70-130	1	20	
trans-1,2-Dichloroethene	ug/L	1.2	50	50	52.5	53.0	103	104	70-133	1	20	
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	42.5	42.7	85	85	69-130	1	20	
Trichloroethene	ug/L	2.6	50	50	53.4	54.7	102	104	70-131	2	20	
Trichlorofluoromethane	ug/L	<0.18	50	50	58.5	59.4	117	119	50-150	1	20	
Vinyl chloride	ug/L	1.9	50	50	55.9	56.4	108	109	49-133	1	20	
4-Bromofluorobenzene (S)	%						101	98	70-130			
Dibromofluoromethane (S)	%						108	107	70-130			
Toluene-d8 (S)	%						98	96	70-130			

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: DON SMITH SALES
Pace Project No.: 40130190

QC Batch: OEXT/30099 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40130190001, 40130190002, 40130190003

METHOD BLANK: 1315712 Matrix: Water
Associated Lab Samples: 40130190001, 40130190002, 40130190003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0031	0.050	04/06/16 10:28	
2-Methylnaphthalene	ug/L	<0.0028	0.050	04/06/16 10:28	
Acenaphthene	ug/L	<0.0050	0.050	04/06/16 10:28	
Acenaphthylene	ug/L	<0.0049	0.050	04/06/16 10:28	
Anthracene	ug/L	<0.0040	0.050	04/06/16 10:28	
Benzo(a)anthracene	ug/L	<0.0051	0.050	04/06/16 10:28	
Benzo(a)pyrene	ug/L	<0.0044	0.050	04/06/16 10:28	
Benzo(b)fluoranthene	ug/L	0.0091J	0.050	04/06/16 10:28	
Benzo(g,h,i)perylene	ug/L	<0.0035	0.050	04/06/16 10:28	
Benzo(k)fluoranthene	ug/L	<0.0056	0.050	04/06/16 10:28	
Chrysene	ug/L	<0.0042	0.050	04/06/16 10:28	
Dibenz(a,h)anthracene	ug/L	<0.0056	0.050	04/06/16 10:28	
Fluoranthene	ug/L	<0.0094	0.050	04/06/16 10:28	
Fluorene	ug/L	<0.0040	0.050	04/06/16 10:28	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0036	0.050	04/06/16 10:28	
Naphthalene	ug/L	0.0063J	0.050	04/06/16 10:28	
Phenanthrene	ug/L	<0.0077	0.050	04/06/16 10:28	
Pyrene	ug/L	<0.0077	0.050	04/06/16 10:28	
2-Fluorobiphenyl (S)	%	61	25-130	04/06/16 10:28	
Terphenyl-d14 (S)	%	119	13-158	04/06/16 10:28	

LABORATORY CONTROL SAMPLE: 1315713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.3	64	35-130	
2-Methylnaphthalene	ug/L	2	1.3	64	36-130	
Acenaphthene	ug/L	2	1.3	64	41-130	
Acenaphthylene	ug/L	2	1.1	53	41-130	
Anthracene	ug/L	2	1.5	74	38-130	
Benzo(a)anthracene	ug/L	2	1.4	70	49-130	
Benzo(a)pyrene	ug/L	2	2.0	101	69-143	
Benzo(b)fluoranthene	ug/L	2	2.5	124	63-146	
Benzo(g,h,i)perylene	ug/L	2	1.8	88	10-145	
Benzo(k)fluoranthene	ug/L	2	2.7	137	64-152	
Chrysene	ug/L	2	2.3	113	64-156	
Dibenz(a,h)anthracene	ug/L	2	1.5	74	10-143	
Fluoranthene	ug/L	2	1.8	89	54-134	
Fluorene	ug/L	2	1.4	71	44-130	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.9	93	39-140	
Naphthalene	ug/L	2	1.2	59	35-130	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: DON SMITH SALES
Pace Project No.: 40130190

LABORATORY CONTROL SAMPLE: 1315713

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	ug/L	2	1.8	89	51-130	
Pyrene	ug/L	2	2.0	102	61-140	
2-Fluorobiphenyl (S)	%			69	25-130	
Terphenyl-d14 (S)	%			114	13-158	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1315714 1315715

Parameter	Units	40130144001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	0.0050J	2	2	1.1	1.2	55	57	16-130	5	30	
2-Methylnaphthalene	ug/L	0.0041J	2	2	1.1	1.1	54	57	33-130	4	30	
Acenaphthene	ug/L	<0.0050	2	2	1.1	1.1	54	56	29-130	3	27	
Acenaphthylene	ug/L	<0.0049	2	2	0.89	0.96	45	48	33-130	7	27	
Anthracene	ug/L	<0.0040	2	2	1.3	1.5	67	73	26-130	8	31	
Benzo(a)anthracene	ug/L	<0.0051	2	2	1.3	1.4	67	71	27-130	7	36	
Benzo(a)pyrene	ug/L	<0.0044	2	2	1.9	2.1	97	102	16-151	5	44	
Benzo(b)fluoranthene	ug/L	0.0083J	2	2	2.5	2.5	124	123	30-142	0	41	
Benzo(g,h,i)perylene	ug/L	<0.0035	2	2	1.6	1.8	79	91	10-130	13	50	
Benzo(k)fluoranthene	ug/L	<0.0056	2	2	2.2	2.7	112	134	24-152	18	41	
Chrysene	ug/L	0.0071J	2	2	2.1	2.3	103	115	40-152	11	33	
Dibenz(a,h)anthracene	ug/L	<0.0056	2	2	1.4	1.7	69	85	10-130	20	50	
Fluoranthene	ug/L	<0.0094	2	2	1.6	1.7	78	86	39-140	9	30	
Fluorene	ug/L	<0.0040	2	2	1.2	1.2	59	62	35-130	5	26	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0036	2	2	1.8	2.0	92	98	10-130	7	50	
Naphthalene	ug/L	0.0074J	2	2	1.0	1.1	52	52	29-130	0	31	
Phenanthrene	ug/L	0.015J	2	2	1.6	1.6	77	78	48-130	0	25	
Pyrene	ug/L	0.0080J	2	2	2.0	2.0	99	101	42-143	2	25	
2-Fluorobiphenyl (S)	%						64	69	25-130			
Terphenyl-d14 (S)	%						111	113	13-158			

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

QUALIFIERS

Project: DON SMITH SALES
Pace Project No.: 40130190

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: DON SMITH SALES
Pace Project No.: 40130190

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40130190001	**MW-1**	EPA 3510	OEXT/30099	EPA 8270 by HVI	MSSV/8914
40130190002	**MW-2**	EPA 3510	OEXT/30099	EPA 8270 by HVI	MSSV/8914
40130190003	**MW-3**	EPA 3510	OEXT/30099	EPA 8270 by HVI	MSSV/8914
40130190001	**MW-1**	EPA 8260	MSV/32873		
40130190002	**MW-2**	EPA 8260	MSV/32873		
40130190003	**MW-3**	EPA 8260	MSV/32873		

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

Pace Analytical®
www.pacelabs.com

40130190

BX

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

(Please Print Clearly)

Company Name:	Seymour Env.
Branch/Location:	
Project Contact:	Robyn Seymour
Phone:	608 838 9120
Project Number:	
Project Name:	Don Smith Sales
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 Env.
Mail To Address:	2531 Dyreson Road McFarland, WI 53558
Invoice To Contact:	Robyn Seymour
Invoice To Company:	Seymour Env.
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
Sl = Sludge WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested	VOC	PAH							CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	FILTERED? (YES/NO)				Y/N	N	N									
	PRESERVATION (CODE)*				Pick Letter	B	A									
001	mw-1	412	0700	GW		X	X							3-40ml v B	2-100ml ag A	
002	mw-2	412	0718	GW		X	X							↓	↓	
003	mw-3	412	0730	GW		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	4/4/16		
Durham	4-4-16 0800	Susan [illegible] Pace	4-4-16 0800

PACE Project No. 40130190

Receipt Temp = ROI °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / ~~Not Present~~
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Client Name: Seymour Env

Project #: WO#: 40113001990

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace ☐ Other: Durham

Tracking #: 1152414

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: N/A Type of Ice: ☐ Wet ☐ Blue ☐ Dry ☐ None ☒ Samples on ice, cooling process has begun

Cooler Temperature: Uncorr: ROI Corr: Biological Tissue is Frozen: ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 4-5-16
Initials: SW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤0°C.

			Comments:
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 ☐ N/A	5.
- VOA Samples frozen upon receipt	☐ Yes	☐ No	Date/Time:
Short Hold Time Analysis (≤72hr):	☒ Yes	☐ No ☐ N/A	6.
Rush Turn Around Time Requested:	☐ Yes	☒ No ☐ N/A	7.
Sufficient Volume:	☒ Yes	☐ No ☐ N/A	8.
Correct Containers Used:	☒ Yes	☐ No ☐ N/A	9.
-Pace Containers Used:	☒ Yes	☐ No ☐ N/A	
-Pace IR Containers Used:	☐ Yes	☐ No ☒ N/A	
Containers Intact:	☒ Yes	☐ No ☐ N/A	10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No ☒ N/A	11.
Sample Labels match COC:	☐ Yes	☒ No ☐ N/A	12. 001 - 2-40mlVB No time + collect time on 100ag 0700. 4-5-16 SW
-Includes date/time/ID/Analysis Matrix:	W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐ Yes	☐ No ☒ N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4, <2; NaOH+ZnAct >9, NaOH >12) exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐ Yes	☐ No ☒ N/A	
	☒ Yes	☐ No	Initial when completed / Lab Std #ID of preservative / Date/Time:
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No ☐ N/A	14.
Trip Blank Present:	☐ Yes	☒ No ☐ N/A	15.
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: Orginal and copy of COC in shipment 4-5-16 SW

Project Manager Review: JH for DM **Date:** 4-5-16

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

July 28, 2016

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

RE: Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

Dear Robyn Seymour:
Enclosed are the analytical results for sample(s) received by the laboratory on July 20, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI 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
Project Manager

Enclosures

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

CERTIFICATIONS

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
Virginia VELAP ID: 460263
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Virginia VELAP Certification ID: 460263
Virginia VELAP ID: 460263
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40135485001	**MW-3**	Water	07/15/16 12:45	07/20/16 07:30
40135485002	**MW-2**	Water	07/15/16 12:55	07/20/16 07:30
40135485003	**MW-1**	Water	07/15/16 13:10	07/20/16 07:30

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SAMPLE ANALYTE COUNT

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40135485001	**MW-3**	WI MOD GRO	PMS	9	PASI-G
		EPA 8270 by HVI	RJN	20	PASI-G
40135485002	**MW-2**	WI MOD GRO	PMS	9	PASI-G
		EPA 8270 by HVI	RJN	20	PASI-G
40135485003	**MW-1**	WI MOD GRO	PMS	9	PASI-G
		EPA 8270 by HVI	RJN	20	PASI-G

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SUMMARY OF DETECTION

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

Lab Sample ID / Method	Client Sample ID / Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40135485001	**MW-3**					
EPA 8270 by HVI	Anthracene	0.0073J	ug/L	0.046	07/21/16 13:15	
40135485002	**MW-2**					
WI MOD GRO	Ethylbenzene	8.9	ug/L	1.0	07/21/16 09:59	
WI MOD GRO	m&p-Xylene	1.3J	ug/L	2.0	07/21/16 09:59	
EPA 8270 by HVI	Acenaphthene	0.91	ug/L	0.23	07/21/16 10:30	
EPA 8270 by HVI	Acenaphthylene	0.068J	ug/L	0.23	07/21/16 10:30	
EPA 8270 by HVI	Anthracene	0.043J	ug/L	0.23	07/21/16 10:30	
EPA 8270 by HVI	Fluorene	0.99	ug/L	0.23	07/21/16 10:30	
EPA 8270 by HVI	1-Methylnaphthalene	12.7	ug/L	0.23	07/21/16 10:30	
EPA 8270 by HVI	Naphthalene	1.0	ug/L	0.23	07/21/16 10:30	
EPA 8270 by HVI	Phenanthrene	0.098J	ug/L	0.23	07/21/16 10:30	
40135485003	**MW-1**					
EPA 8270 by HVI	Acenaphthene	0.029J	ug/L	0.046	07/21/16 13:34	
EPA 8270 by HVI	Acenaphthylene	0.0048J	ug/L	0.046	07/21/16 13:34	
EPA 8270 by HVI	Anthracene	0.012J	ug/L	0.046	07/21/16 13:34	
EPA 8270 by HVI	Chrysene	0.0057J	ug/L	0.046	07/21/16 13:34	
EPA 8270 by HVI	Fluorene	0.011J	ug/L	0.046	07/21/16 13:34	
EPA 8270 by HVI	1-Methylnaphthalene	0.0076J	ug/L	0.046	07/21/16 13:34	
EPA 8270 by HVI	2-Methylnaphthalene	0.0036J	ug/L	0.046	07/21/16 13:34	
EPA 8270 by HVI	Naphthalene	0.031J	ug/L	0.046	07/21/16 13:34	
EPA 8270 by HVI	Phenanthrene	0.021J	ug/L	0.046	07/21/16 13:34	
EPA 8270 by HVI	Pyrene	0.050	ug/L	0.046	07/21/16 13:34	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

Sample: MW-3 **Lab ID: 40135485001** Collected: 07/15/16 12:45 Received: 07/20/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		07/25/16 16:50	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/25/16 16:50	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/25/16 16:50	1634-04-4	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/25/16 16:50	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/25/16 16:50	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/25/16 16:50	108-67-8	
m&p-Xylene	**<0.80**	ug/L	2.0	0.80	1		07/25/16 16:50	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		07/25/16 16:50	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1		07/25/16 16:50	98-08-8	
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**<0.0046**	ug/L	0.046	0.0046	1	07/20/16 08:23	07/21/16 13:15	83-32-9	
Acenaphthylene	**<0.0045**	ug/L	0.046	0.0045	1	07/20/16 08:23	07/21/16 13:15	208-96-8	
Anthracene	**0.0073J**	ug/L	0.046	0.0037	1	07/20/16 08:23	07/21/16 13:15	120-12-7	
Benzo(a)anthracene	**<0.0047**	ug/L	0.046	0.0047	1	07/20/16 08:23	07/21/16 13:15	56-55-3	
Benzo(a)pyrene	**<0.0041**	ug/L	0.046	0.0041	1	07/20/16 08:23	07/21/16 13:15	50-32-8	
Benzo(b)fluoranthene	**<0.0049**	ug/L	0.046	0.0049	1	07/20/16 08:23	07/21/16 13:15	205-99-2	
Benzo(g,h,i)perylene	**<0.0032**	ug/L	0.046	0.0032	1	07/20/16 08:23	07/21/16 13:15	191-24-2	
Benzo(k)fluoranthene	**<0.0052**	ug/L	0.046	0.0052	1	07/20/16 08:23	07/21/16 13:15	207-08-9	
Chrysene	**<0.0039**	ug/L	0.046	0.0039	1	07/20/16 08:23	07/21/16 13:15	218-01-9	
Dibenz(a,h)anthracene	**<0.0051**	ug/L	0.046	0.0051	1	07/20/16 08:23	07/21/16 13:15	53-70-3	
Fluoranthene	**<0.0086**	ug/L	0.046	0.0086	1	07/20/16 08:23	07/21/16 13:15	206-44-0	
Fluorene	**<0.0037**	ug/L	0.046	0.0037	1	07/20/16 08:23	07/21/16 13:15	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0033**	ug/L	0.046	0.0033	1	07/20/16 08:23	07/21/16 13:15	193-39-5	
1-Methylnaphthalene	**<0.0028**	ug/L	0.046	0.0028	1	07/20/16 08:23	07/21/16 13:15	90-12-0	
2-Methylnaphthalene	**<0.0025**	ug/L	0.046	0.0025	1	07/20/16 08:23	07/21/16 13:15	91-57-6	
Naphthalene	**<0.0042**	ug/L	0.046	0.0042	1	07/20/16 08:23	07/21/16 13:15	91-20-3	
Phenanthrene	**<0.0070**	ug/L	0.046	0.0070	1	07/20/16 08:23	07/21/16 13:15	85-01-8	
Pyrene	**<0.0071**	ug/L	0.046	0.0071	1	07/20/16 08:23	07/21/16 13:15	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	47	%	25-130		1	07/20/16 08:23	07/21/16 13:15	321-60-8	
Terphenyl-d14 (S)	70	%	13-158		1	07/20/16 08:23	07/21/16 13:15	1718-51-0	

Sample: MW-2 **Lab ID: 40135485002** Collected: 07/15/16 12:55 Received: 07/20/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		07/21/16 09:59	71-43-2	
Ethylbenzene	**8.9**	ug/L	1.0	0.39	1		07/21/16 09:59	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/21/16 09:59	1634-04-4	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/21/16 09:59	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/21/16 09:59	95-63-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
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ANALYTICAL RESULTS

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

Sample: MW-2 **Lab ID: 40135485002** Collected: 07/15/16 12:55 Received: 07/20/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/21/16 09:59	108-67-8	
m&p-Xylene	**1.3J**	ug/L	2.0	0.80	1		07/21/16 09:59	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		07/21/16 09:59	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	109	%	80-120		1		07/21/16 09:59	98-08-8	
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	**0.91**	ug/L	0.23	0.023	5	07/20/16 08:23	07/21/16 10:30	83-32-9	
Acenaphthylene	**0.068J**	ug/L	0.23	0.023	5	07/20/16 08:23	07/21/16 10:30	208-96-8	
Anthracene	**0.043J**	ug/L	0.23	0.019	5	07/20/16 08:23	07/21/16 10:30	120-12-7	
Benzo(a)anthracene	**<0.024**	ug/L	0.23	0.024	5	07/20/16 08:23	07/21/16 10:30	56-55-3	
Benzo(a)pyrene	**<0.020**	ug/L	0.23	0.020	5	07/20/16 08:23	07/21/16 10:30	50-32-8	
Benzo(b)fluoranthene	**<0.024**	ug/L	0.23	0.024	5	07/20/16 08:23	07/21/16 10:30	205-99-2	
Benzo(g,h,i)perylene	**<0.016**	ug/L	0.23	0.016	5	07/20/16 08:23	07/21/16 10:30	191-24-2	
Benzo(k)fluoranthene	**<0.026**	ug/L	0.23	0.026	5	07/20/16 08:23	07/21/16 10:30	207-08-9	
Chrysene	**<0.019**	ug/L	0.23	0.019	5	07/20/16 08:23	07/21/16 10:30	218-01-9	
Dibenz(a,h)anthracene	**<0.026**	ug/L	0.23	0.026	5	07/20/16 08:23	07/21/16 10:30	53-70-3	
Fluoranthene	**<0.043**	ug/L	0.23	0.043	5	07/20/16 08:23	07/21/16 10:30	206-44-0	
Fluorene	**0.99**	ug/L	0.23	0.019	5	07/20/16 08:23	07/21/16 10:30	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.016**	ug/L	0.23	0.016	5	07/20/16 08:23	07/21/16 10:30	193-39-5	
1-Methylnaphthalene	**12.7**	ug/L	0.23	0.014	5	07/20/16 08:23	07/21/16 10:30	90-12-0	
2-Methylnaphthalene	**<0.013**	ug/L	0.23	0.013	5	07/20/16 08:23	07/21/16 10:30	91-57-6	
Naphthalene	**1.0**	ug/L	0.23	0.021	5	07/20/16 08:23	07/21/16 10:30	91-20-3	
Phenanthrene	**0.098J**	ug/L	0.23	0.035	5	07/20/16 08:23	07/21/16 10:30	85-01-8	
Pyrene	**<0.035**	ug/L	0.23	0.035	5	07/20/16 08:23	07/21/16 10:30	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	43	%	25-130		5	07/20/16 08:23	07/21/16 10:30	321-60-8	
Terphenyl-d14 (S)	58	%	13-158		5	07/20/16 08:23	07/21/16 10:30	1718-51-0	

Sample: MW-1 **Lab ID: 40135485003** Collected: 07/15/16 13:10 Received: 07/20/16 07:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO								
Benzene	**<0.40**	ug/L	1.0	0.40	1		07/21/16 11:42	71-43-2	
Ethylbenzene	**<0.39**	ug/L	1.0	0.39	1		07/21/16 11:42	100-41-4	
Methyl-tert-butyl ether	**<0.48**	ug/L	1.0	0.48	1		07/21/16 11:42	1634-04-4	
Toluene	**<0.39**	ug/L	1.0	0.39	1		07/21/16 11:42	108-88-3	
1,2,4-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/21/16 11:42	95-63-6	
1,3,5-Trimethylbenzene	**<0.42**	ug/L	1.0	0.42	1		07/21/16 11:42	108-67-8	
m&p-Xylene	**<0.80**	ug/L	2.0	0.80	1		07/21/16 11:42	179601-23-1	
o-Xylene	**<0.45**	ug/L	1.0	0.45	1		07/21/16 11:42	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	103	%	80-120		1		07/21/16 11:42	98-08-8	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

Sample: MW-1 **Lab ID: 40135485003** Collected: 07/15/16 13:10 Received: 07/20/16 07:30 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	**0.029J**	ug/L	0.046	0.0046	1	07/20/16 08:23	07/21/16 13:34	83-32-9	
Acenaphthylene	**0.0048J**	ug/L	0.046	0.0045	1	07/20/16 08:23	07/21/16 13:34	208-96-8	
Anthracene	**0.012J**	ug/L	0.046	0.0037	1	07/20/16 08:23	07/21/16 13:34	120-12-7	
Benzo(a)anthracene	**<0.0047**	ug/L	0.046	0.0047	1	07/20/16 08:23	07/21/16 13:34	56-55-3	
Benzo(a)pyrene	**<0.0041**	ug/L	0.046	0.0041	1	07/20/16 08:23	07/21/16 13:34	50-32-8	
Benzo(b)fluoranthene	**<0.0049**	ug/L	0.046	0.0049	1	07/20/16 08:23	07/21/16 13:34	205-99-2	
Benzo(g,h,i)perylene	**<0.0032**	ug/L	0.046	0.0032	1	07/20/16 08:23	07/21/16 13:34	191-24-2	
Benzo(k)fluoranthene	**<0.0052**	ug/L	0.046	0.0052	1	07/20/16 08:23	07/21/16 13:34	207-08-9	
Chrysene	**0.0057J**	ug/L	0.046	0.0039	1	07/20/16 08:23	07/21/16 13:34	218-01-9	
Dibenz(a,h)anthracene	**<0.0051**	ug/L	0.046	0.0051	1	07/20/16 08:23	07/21/16 13:34	53-70-3	
Fluoranthene	**<0.0086**	ug/L	0.046	0.0086	1	07/20/16 08:23	07/21/16 13:34	206-44-0	
Fluorene	**0.011J**	ug/L	0.046	0.0037	1	07/20/16 08:23	07/21/16 13:34	86-73-7	
Indeno(1,2,3-cd)pyrene	**<0.0033**	ug/L	0.046	0.0033	1	07/20/16 08:23	07/21/16 13:34	193-39-5	
1-Methylnaphthalene	**0.0076J**	ug/L	0.046	0.0028	1	07/20/16 08:23	07/21/16 13:34	90-12-0	
2-Methylnaphthalene	**0.0036J**	ug/L	0.046	0.0025	1	07/20/16 08:23	07/21/16 13:34	91-57-6	
Naphthalene	**0.031J**	ug/L	0.046	0.0042	1	07/20/16 08:23	07/21/16 13:34	91-20-3	
Phenanthrene	**0.021J**	ug/L	0.046	0.0070	1	07/20/16 08:23	07/21/16 13:34	85-01-8	
Pyrene	**0.050**	ug/L	0.046	0.0071	1	07/20/16 08:23	07/21/16 13:34	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	46	%	25-130		1	07/20/16 08:23	07/21/16 13:34	321-60-8	
Terphenyl-d14 (S)	56	%	13-158		1	07/20/16 08:23	07/21/16 13:34	1718-51-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

QC Batch: 230396 Analysis Method: WI MOD GRO
QC Batch Method: WI MOD GRO Analysis Description: WIGRO GCV Water
Associated Lab Samples: 40135485001, 40135485002, 40135485003

METHOD BLANK: 1367062 Matrix: Water
Associated Lab Samples: 40135485001, 40135485002, 40135485003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/L	<0.42	1.0	07/21/16 08:42	
1,3,5-Trimethylbenzene	ug/L	<0.42	1.0	07/21/16 08:42	
Benzene	ug/L	<0.40	1.0	07/21/16 08:42	
Ethylbenzene	ug/L	<0.39	1.0	07/21/16 08:42	
m&p-Xylene	ug/L	<0.80	2.0	07/21/16 08:42	
Methyl-tert-butyl ether	ug/L	<0.48	1.0	07/21/16 08:42	
o-Xylene	ug/L	<0.45	1.0	07/21/16 08:42	
Toluene	ug/L	<0.39	1.0	07/21/16 08:42	
a,a,a-Trifluorotoluene (S)	%	103	80-120	07/21/16 08:42	

LABORATORY CONTROL SAMPLE & LCSD: 1367063 1367064

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	21.0	21.3	105	106	80-120	1	20	
1,3,5-Trimethylbenzene	ug/L	20	20.5	20.8	103	104	80-120	1	20	
Benzene	ug/L	20	21.3	21.4	107	107	80-120	0	20	
Ethylbenzene	ug/L	20	20.6	20.9	103	104	80-120	1	20	
m&p-Xylene	ug/L	40	41.6	41.7	104	104	80-120	0	20	
Methyl-tert-butyl ether	ug/L	20	20.9	21.8	105	109	80-120	4	20	
o-Xylene	ug/L	20	21.2	21.3	106	107	80-120	0	20	
Toluene	ug/L	20	20.9	20.9	104	105	80-120	0	20	
a,a,a-Trifluorotoluene (S)	%				103	102	80-120			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1367139 1367140

Parameter	Units	40135417005 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	1570	500	500	2320	2320	150	149	48-177	0	20	
1,3,5-Trimethylbenzene	ug/L	385	500	500	1010	1010	125	124	73-145	0	20	
Benzene	ug/L	11.9J	500	500	558	546	109	107	74-139	2	20	
Ethylbenzene	ug/L	1740	500	500	2390	2340	130	120	74-140	2	20	
m&p-Xylene	ug/L	4970	1000	1000	6540	6440	157	147	55-165	2	20	
Methyl-tert-butyl ether	ug/L	13.2J	500	500	546	554	107	108	80-120	2	20	
o-Xylene	ug/L	2230	500	500	2980	2960	150	145	73-136	1	20	M1
Toluene	ug/L	112	500	500	657	648	109	107	80-128	1	20	
a,a,a-Trifluorotoluene (S)	%						106	105	80-120			

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

QUALITY CONTROL DATA

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

QC Batch: 230290 Analysis Method: EPA 8270 by HVI
QC Batch Method: EPA 3510 Analysis Description: 8270 Water PAH by HVI
Associated Lab Samples: 40135485001, 40135485002, 40135485003

METHOD BLANK: 1366344 Matrix: Water
Associated Lab Samples: 40135485001, 40135485002, 40135485003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0031	0.050	07/21/16 08:21	
2-Methylnaphthalene	ug/L	<0.0028	0.050	07/21/16 08:21	
Acenaphthene	ug/L	<0.0050	0.050	07/21/16 08:21	
Acenaphthylene	ug/L	<0.0049	0.050	07/21/16 08:21	
Anthracene	ug/L	<0.0040	0.050	07/21/16 08:21	
Benzo(a)anthracene	ug/L	<0.0051	0.050	07/21/16 08:21	
Benzo(a)pyrene	ug/L	<0.0044	0.050	07/21/16 08:21	
Benzo(b)fluoranthene	ug/L	<0.0053	0.050	07/21/16 08:21	
Benzo(g,h,i)perylene	ug/L	<0.0035	0.050	07/21/16 08:21	
Benzo(k)fluoranthene	ug/L	<0.0056	0.050	07/21/16 08:21	
Chrysene	ug/L	<0.0042	0.050	07/21/16 08:21	
Dibenz(a,h)anthracene	ug/L	<0.0056	0.050	07/21/16 08:21	
Fluoranthene	ug/L	<0.0094	0.050	07/21/16 08:21	
Fluorene	ug/L	<0.0040	0.050	07/21/16 08:21	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0036	0.050	07/21/16 08:21	
Naphthalene	ug/L	<0.0045	0.050	07/21/16 08:21	
Phenanthrene	ug/L	<0.0077	0.050	07/21/16 08:21	
Pyrene	ug/L	<0.0077	0.050	07/21/16 08:21	
2-Fluorobiphenyl (S)	%	68	25-130	07/21/16 08:21	
Terphenyl-d14 (S)	%	108	13-158	07/21/16 08:21	

LABORATORY CONTROL SAMPLE & LCSD: 1366345 1366346

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	2	1.4	1.2	68	59	35-130	15	36	
2-Methylnaphthalene	ug/L	2	1.4	1.2	69	59	36-130	15	37	
Acenaphthene	ug/L	2	1.2	1.0	61	52	41-130	16	32	
Acenaphthylene	ug/L	2	1.2	1.1	62	54	41-130	14	32	
Anthracene	ug/L	2	1.5	1.4	76	72	38-130	5	28	
Benzo(a)anthracene	ug/L	2	1.8	1.8	91	88	49-130	3	27	
Benzo(a)pyrene	ug/L	2	1.9	1.9	97	95	69-143	2	26	
Benzo(b)fluoranthene	ug/L	2	2.0	1.9	100	96	63-146	4	28	
Benzo(g,h,i)perylene	ug/L	2	1.5	1.4	75	70	10-145	7	37	
Benzo(k)fluoranthene	ug/L	2	1.8	1.8	91	91	64-152	0	28	
Chrysene	ug/L	2	2.0	2.0	101	100	64-156	1	26	
Dibenz(a,h)anthracene	ug/L	2	1.6	1.4	78	72	10-143	8	39	
Fluoranthene	ug/L	2	1.6	1.7	80	85	54-134	6	23	
Fluorene	ug/L	2	1.3	1.1	63	56	44-130	11	33	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.9	1.8	95	92	39-140	4	26	
Naphthalene	ug/L	2	1.3	1.1	64	56	35-130	13	39	

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REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

LABORATORY CONTROL SAMPLE & LCSD: 1366345 1366346

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Phenanthrene	ug/L	2	1.5	1.4	74	71	51-130	4	29	
Pyrene	ug/L	2	1.7	1.8	85	92	61-140	8	24	
2-Fluorobiphenyl (S)	%				63	55	25-130			
Terphenyl-d14 (S)	%				106	103	13-158			

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

QUALIFIERS

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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: 230338

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

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 10702.00 DON SMITH STANLEY
Pace Project No.: 40135485

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40135485001	**MW-3**	WI MOD GRO	230396		
40135485002	**MW-2**	WI MOD GRO	230396		
40135485003	**MW-1**	WI MOD GRO	230396		
40135485001	**MW-3**	EPA 3510	230290	EPA 8270 by HVI	230338
40135485002	**MW-2**	EPA 3510	230290	EPA 8270 by HVI	230338
40135485003	**MW-1**	EPA 3510	230290	EPA 8270 by HVI	230338

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

Pace Analytical®
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40135485

CHAIN OF COUSTODY

(Please Print Clearly)

Company Name:	Seymour Environ.
Branch/Location:	McFarland
Project Contact:	Robyn Seymour
Phone:	608-838-9120
Project Number:	10702.00
Project Name:	Don Smith - Stanley
Project State:	WI
Sampled By (Print):	Mark R. Seymour
Sampled By (Sign):	Mark R Seymour
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:	Robyn Seymour
Mail To Company:	Seymour Environ.
Mail To Address:	2531 Dyreson Rd McFarland, WI 53558
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, B = Biota, C = Charcoal, O = Oil, S = Soil, Sl = Sludge
W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

				FILTERED? (YES/NO)	Y/N	N	N			
				PRESERVATION (CODE)*	Pick Letter	B	A			
					Analyses Requested	PVOCs	PAHs			
PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX				CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	MW-3	7/15/16	12:45	GW		X	X	2-100ml ag A	3-40ml v B	
002	MW-2	)	12:55	GW		X	X	↓	↓	
003	MW-1	)	13:10	GW		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:
Mark R Seymour	7/19/16 pm		
Dunham	7/20/16 0730	[signature] Pace	7/20/16 0730

PACE Project No. 40135485
Receipt Temp = ROI °C
Sample Receipt pH ~~OK / Adjusted~~
Cooler Custody Seal
Present / Not Present (circled)
Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Sample Condition Upon Receipt

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

Pace Analytical™

Project #: WO#: 40135485

Client Name: Seymour Environmental

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: Dunham

Tracking #: 1192927

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 Shredded paper

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

Cooler Temperature Uncorr: ROT /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☑ no

Person examining contents:
Date: 7/20/16
Initials: BL

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤0°C.

		Comments:
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 ☐N/A	5.
-VOA Samples frozen upon receipt	☐Yes ☐No	Date/Time:
Short Hold Time Analysis (<72hr):	☑Yes ☐No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☑No ☐N/A	7.
Sufficient Volume:	☑Yes ☐No ☐N/A	8.
Correct Containers Used:	☑Yes ☐No ☐N/A	9.
-Pace Containers Used:	☑Yes ☐No ☐N/A	
-Pace IR Containers Used:	☐Yes ☐No ☑N/A	
Containers Intact:	☑Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☑N/A	11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: W		
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4, HCl <2; NaOH+ZnAct >9, NaOH >12)	☐Yes ☐No ☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDRO, Phenolics, OTHER:	☐Yes ☐No	Initial when completed / Lab Std #ID of preservative / Date/Time:
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	14.
Trip Blank Present:	☐Yes ☐No ☑N/A	15.
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: AMH for DM **Date:** 7/20/16