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February 5, 2020

BRRTS #: 03-16-286908

PECFA #: 54830-9999-71

Grant Neitzel  
Wisconsin Department of Natural Resources  
1701 N. 4<sup>th</sup> Street  
Superior, WI 54880

Subject: Sandy's Service (Former) – Letter Report

Dear Mr. Neitzel,

Enclosed is the report (2<sup>nd</sup> of 2) for the Sandy's Service (Former) site located in Dairyland, Wisconsin. **This completes the Public Bidding Deferred work scope approved on January 31, 2019.**

#### **Post-Excavation Groundwater Monitoring Work Scope**

On October 3, 2019, METCO personnel collected groundwater samples from eight monitoring wells (MW-1R through MW-8) and one private well (16571 State Highway 35) for Dissolved Lead, PVOOC, and Naphthalene analysis. Field measurements for water levels, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductance were collected from all sampled monitoring wells.

On December 30, 2019, METCO personnel collected groundwater samples from eight monitoring wells (MW-1R through MW-8) and one private well (16571 State Highway 35) for Dissolved Lead, PVOOC, and Naphthalene analysis. Field measurements for water levels, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductance were collected from all sampled monitoring wells.

#### **Sub-Slab Vapor Sampling Work Scope**

On December 30, 2019, Braun Intertec of Duluth, Minnesota installed three sub-slab vapor sampling ports (SS-1, SS-2, and SS-3) in the on-site former service station building and collected vapor samples from the three sub-slab sampling ports for PVOOC and Naphthalene (TO-15) analysis.

The sub-slab vapor sampling ports were constructed by drilling a ½-inch pilot hole through the concrete slab and several inches into the sub-slab material with a hammer drill. A 1½-inch outer hole is then drilled to depths ranging from ¾ -inch to 1-inch, depending on the concrete slab thickness. The hole was cleaned of dust and drilling debris using a shop-vac. A stainless steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole is sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal was air tight.

The vapor samples were collected by attaching a length of Teflon tubing into the sampling port. A Suma canister with a 30 minute flow regulator was connected to the other end of the Teflon tubing.

The valve on the Suma canister was opened and a vapor sample is slowly drawn in from the sampling port. Prior to collecting the sub-slab vapor sample, a shut in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected. The water dam is left in place during purging and sampling with any changes in the water level noted. No changes were noted in the water level. The sub-slab soil vapor sampling results are summarized in the attached data table. After the vapor sampling was completed, all three of the sub-slab samples were abandoned after sampling was complete.

### **Discussion of Groundwater Results**

Monitoring Well MW-1R: Currently shows a NR140 Enforcement Standard (ES) exceedance for Benzene (95 ppb) as well as a NR140 Preventative Action Limit (PAL) exceedance for Naphthalene (29.2 ppb). Contaminant concentrations have significantly decreased following the excavation project.

Monitoring Well MW-2: Currently shows a NR140 ES exceedance for Benzene (440 ppb) as well as a NR140 PAL exceedance for Toluene (248 ppb). Contaminant concentrations appear to be stable, however concentrations did increase in the last round of sampling.

Monitoring Well MW-3: Currently shows a NR140 ES exceedance for Benzene (340 ppb) as well as NR140 PAL exceedances for Naphthalene (18.5 ppb) and Xylene (445 ppb). Contaminant concentrations appear to be at stable to decreasing.

Monitoring Well MW-4: Currently shows no detects for PVOC, Naphthalene, and Dissolved Lead.

Monitoring Well MW-5: Currently shows no detects for PVOC, Naphthalene, and Dissolved Lead.

Monitoring Well MW-6: Currently shows no detects for PVOC, Naphthalene, and Dissolved Lead.

Monitoring Well MW-7: Currently shows no detects for PVOC, Naphthalene, and Dissolved Lead.

Monitoring Well MW-8: Currently shows no detects for PVOC, Naphthalene, and Dissolved Lead.

On Site Private Well: Currently shows no detects for PVOC, Naphthalene, and Dissolved Lead.

### **Discussion of Sub-Slab Vapor Results**

Sub-Slab Vapor Sample SS-1: Currently shows detects but no Small Commercial Sub-Slab Vapor Action Level (VAL) exceedances for PVOC and Naphthalene. However, it does have DNR Residential Sub-Slab VAL exceedance (50.6 ug/m<sup>3</sup> of Naphthalene), but the building is used as a personal service garage.

Sub-Slab Vapor Sample SS-2: Currently shows detects but no Small Commercial VAL exceedances for PVOC and Naphthalene.

Sub-Slab Vapor Sample SS-3: Currently shows detects but no Small Commercial VAL exceedances for PVOC and Naphthalene.

### **Conclusions/Recommendations**

Based on current results, METCO recommends that the Sandy's Service (Former) site be

reviewed for the possibility of "closure" for the following reasons:

- 1) The extent and degree of petroleum contamination in soil and groundwater has been adequately defined.
- 2) The majority of the accessible unsaturated soil contamination was excavated (1,325.45 tons) and disposed of at the Republic Services Lake Area Landfill.
- 3) No Free Product was present during this investigation.
- 4) Following the excavation, the source well (MW-1) contaminant levels dropped significantly and the mid-down gradient well (MW-2) did show a slight increase in the last round but are arguably stable.
- 5) Based on the sub-slab vapor samples collected there are no Small Commercial VAL exceedances for this building.
- 6) The on-site private well has shown no laboratory detects over the six sampling events.

If the state concurs, please contact METCO to discuss closure activities.

Per WDNR response to this conclusion/recommendation METCO will proceed.

A Detailed Site Map, Groundwater Flow Maps (2), Groundwater Isoconcentration Map, Data Tables, Sub-Slab Vapor Sampling Documents, and Laboratory Documents have been attached.

If you have any questions or comments, please feel free to call (608-781-8879) or email at [jasonp@metcohq.com](mailto:jasonp@metcohq.com).

Sincerely,



Jason T. Powell  
Staff Scientist

Attachments

c: Ray Sandstrom – Client









**A.1 Groundwater Analytical Table**  
**Sandy's Service (former) BRRTS #03-16-286908**

**Well MW-1/MW-1R** 1065.03  
**PVC Elevation =** 1065.29 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	1061.16	4.13	2.3	12400	2070	<56	<420	34000	2030	11800
08/06/18	1060.17	5.12	0.8	16400	2350	<57	480	38000	2470	13200
04/23/19	WELL ABANDONED AND REPLACED DURING EXCAVATION PROJECT									
06/03/19	MW-1 REPLACED WITH MW-1R									
07/10/19	1061.31	3.72	<1.1	315	220	<28	620	132	419	1010
10/03/19	1061.87	3.16	<1.1	107	23.3	<0.24	37	23.3	29.1	49.9
12/30/19	1061.64	3.39	<1.1	95	37	<0.71	29.2	39	48.1	68.7
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-2**  
**PVC Elevation =** 1060.75 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	1060.45	0.30	<0.9	256	33	<2.8	<21	144	31.2	145
08/06/18	1059.69	1.06	<0.8	121	20.5	<0.57	5.0	4.4	9.75	37.4
07/10/19	1060.97	-0.22	<1.1	102	19.3	<0.28	8.2	4.4	7.53	49.2
10/03/19	1060.95	-0.20	<1.1	196	28.6	<0.24	2.03	54	14.27	92.7
12/30/19	1061.09	-0.34	<1.1	440	62	<0.71	7.3	248	38.5	216
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
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 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-3**  
**PVC Elevation =** 1059.13 (feet) (MSL)

Date	Water Elevation	Depth to water from top of PVC	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	COULD NOT MEASURE		<0.9	540	22.1	<2.8	<21	11.4	46.4	306
08/06/18	1059.27	-0.14	<0.8	194	11.9	<5.7	<17	8.9	23.3-30.80	136
07/10/19	1059.44	-0.31	<1.1	480	54	<2.8	22.5	67	99.9	707
10/03/19	COULD NOT MEASURE		<1.1	360	63	<2.4	36	36	139.6	798
12/30/19	COULD NOT MEASURE		<1.1	340	28.3	<7.1	18.5	15.5	81.0	445
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).



**A.1 Groundwater Analytical Table**  
**Sandy's Service (former) BRRTS #03-16-286908**

**Well MW-4**

**PVC Elevation =** 1059.31 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	COULD NOT MEASURE		<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/06/18	1059.31	0.00	<0.8	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
07/10/19	1059.76	-0.45	<1.1	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	COULD NOT MEASURE		<1.1	0.68	<0.29	<0.24	<1.3	<0.29	<1.13	<1.12
12/30/19	COULD NOT MEASURE		<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-5**

**PVC Elevation =** 1065.28 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	1061.19	4.09	<0.9	2.05	0.36	<0.28	<2.1	5.4	<1.43	1.79
08/06/18	1060.28	5.00	<0.8	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
07/10/19	1061.25	4.03	<1.1	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	1061.66	3.62	<1.1	<0.32	<0.29	<0.24	<1.3	<0.29	<1.13	<1.12
12/30/19	1061.79	3.49	<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-6**

**PVC Elevation =** 1065.22 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	1060.50	4.72	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/06/18	1059.68	5.54	<0.8	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
07/10/19	1060.49	4.73	1.2	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	1061.04	4.18	<1.1	<0.32	<0.29	<0.24	<1.3	<0.29	<1.13	<1.12
12/30/19	1061.18	4.04	<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured  
 Note: Elevations are presented in feet mean sea level (msl).

**A.1 Groundwater Analytical Table**  
**Sandy's Service (former) BRRTS #03-16-286908**

**Well MW-7**

**PVC Elevation =** 1065.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
05/09/18	1061.51	3.94	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/06/18	1060.10	5.35	<0.8	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
07/10/19	1061.46	3.99	<1.1	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	1061.79	3.66	<1.1	<0.32	<0.29	<0.24	<1.3	0.62	<1.13	<1.12
12/30/19	1061.89	3.56	<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

NS = not sampled NM = not measured

Note: Elevations are presented in feet mean sea level (msl).

**Well MW-8**

**PVC Elevation =** 1060.01 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
07/10/19	1059.70	0.31	<1.1	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	1060.11	-0.10	<1.1	<0.32	<0.29	<0.24	<1.3	<0.29	<1.13	<1.12
12/30/19	1060.21	-0.20	<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

NS = not sampled NM = not measured

Note: Elevations are presented in feet mean sea level (msl).

**ON SITE PRIVATE WELL - (PW-SP) 16571 STH 35**

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl-benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
8/15/2017	NM	NM	NS	<0.39	<0.98	<0.33	<0.39	<0.48	<0.46	<0.38
05/09/18	NM	NM	NS	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
08/06/18	NM	NM	NS	<0.22	<0.53	<0.57	<1.7	<0.45	<1.48	<1.58
07/10/19	NM	NM	<1.1	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
10/03/19	NM	NM	<1.1	<0.32	<0.29	<0.24	<1.3	<0.29	<1.13	<1.12
12/30/19	NM	NM	<1.1	<0.48	<0.55	<0.71	<0.82	<0.62	<1.37	<2.04
<b>ENFORCEMENT STANDARD ES = Bold</b>			<b>15</b>	<b>5</b>	<b>700</b>	<b>60</b>	<b>100</b>	<b>800</b>	<b>480</b>	<b>2000</b>
<b>PREVENTIVE ACTION LIMIT PAL = Italics</b>			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

(ppb) = parts per billion (ppm) = parts per million

NS = not sampled NM = not measured

Note: Elevations are presented in feet mean sea level (msl).

A.4 Vapor Analytical Table

Sub-Slab Sampling Data Table for Sandy's Service (Former)  
BY METCO

Sub-Slab Sampling conducted	Conducted on:			WDNR	WDNR	
	12/30/2019	12/30/2019	12/30/2019	Small Commercial Sub-Slab Vapor Action Levels for Various VOCs  Quick Look-Up Table Updated November, 2017  (ug/m <sup>3</sup> )	Residential Sub-Slab Vapor Action Levels for Various VOCs  Quick Look-Up Table Updated November, 2017  (ug/m <sup>3</sup> )	
Sample ID	SS-1	SS-2	SS-3			
Benzene – ug/m <sup>3</sup>	<0.48	1.0	<0.47	530	120	c
Carbon Tetrachloride – ug/m <sup>3</sup>	NS	NS	NS	670	160	c
Chloroform – ug/m <sup>3</sup>	NS	NS	NS	180	40	c
Chloromethane – ug/m <sup>3</sup>	NS	NS	NS	13000	3100	n
Dichlorodifluoromethane – ug/m <sup>3</sup>	NS	NS	NS	15000	3300	n
1,1-Dichloroethane (1,1-DCA) – ug/m <sup>3</sup>	NS	NS	NS	2600	600	c
1,2-Dichloroethane (1,2-DCA) - ug/m <sup>3</sup>	NS	NS	NS	160	37	c
1,1-Dichloroethylene (1,1-DCE) – ug/m <sup>3</sup>	NS	NS	NS	29000	7000	n
1,2-Dichloroethylene (cis and trans) - ug/m <sup>3</sup>	NS	NS	NS	NA	NA	-
Ethylbenzene – ug/m <sup>3</sup>	<1.3	1.6	2.0	1600	370	c
Methylene chloride – ug/m <sup>3</sup>	NS	NS	NS	87000	21000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m <sup>3</sup>	<5.5	<5.3	<5.3	16000	3700	c
Naphthalene – ug/m <sup>3</sup>	<4.0	50.6	<3.8	120	28	c
Tetrachloroethylene -ug/m <sup>3</sup>	NS	NS	NS	6000	1400	n
Toluene – ug/m <sup>3</sup>	2.2	4.6	1.5	730000	170000	n
1,1,1-Trichloroethane – ug/m <sup>3</sup>	NS	NS	NS	730000	170000	n
Trichloroethylene – ug/m <sup>3</sup>	NS	NS	NS	290	70	n
Trichlorofluoromethane (Halcarbon 11) – ug/m <sup>3</sup>	NS	NS	NS	NA	NA	-
Trimethylbenzene (1,2,4) – ug/m <sup>3</sup>	2.1	23.9	<1.4	8700	2100	n
Trimethylbenzene (1,3,5) – ug/m <sup>3</sup>	<1.5	5.3	<1.4	8700	2100	n
Vinyl chloride – ug/m <sup>3</sup>	NS	NS	NS	930	57	c
Xylene (total) -ug/m <sup>3</sup>	2.7-4	9.3	<3.8	15000	3300	n

ug/m<sup>3</sup> = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

**Bold = Sub-Slab Standard Exceedance**

NS = Not sampled

c = Carcinogen

n = Non Carcinogen

J = between Limit of Detection (LOD) and Limit of Quantitation (LOQ)

\* Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.

B = Compound was found in the blank and sample

E = Result exceeded calibration range

**A.6 Water Level Elevations**  
**Sandy's Service (former) BRRTS #03-16-286908**  
**Dairyland, Wisconsin**

	MW-1	MW-1R	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
<b>Ground Surface (feet msl)</b>	1065.72	1065.40	1061.20	1059.45	1059.77	1065.71	1065.62	1065.83	1060.32
<b>PVC top (feet msl)</b>	1065.29	1065.03	1060.75	1059.13	1059.31	1065.28	1065.22	1065.45	1060.01
<b>Well Depth (feet)</b>	14.00	13.00	12.00	12.00	12.00	14.00	14.00	13.50	13.00
<b>Top of screen (feet msl)</b>	1061.72	1062.40	1059.20	1057.45	1057.77	1061.71	1061.62	1062.33	1057.32
<b>Bottom of screen (feet msl)</b>	1051.72	1052.40	1049.20	1047.45	1047.77	1051.71	1051.62	1052.33	1047.32

**Depth to Water From Top of PVC (feet)**

<b>05/09/18</b>	4.13	NI	0.30	CNM	CNM	4.09	4.72	3.94	NI
<b>08/06/18</b>	5.12	NI	1.06	-0.14	0.00	5.00	5.54	5.35	NI
<b>07/10/19</b>	A	3.72	-0.22	-0.31	-0.45	4.03	4.73	3.99	0.31
<b>10/03/19</b>	A	3.16	-0.20	CNM	CNM	3.62	4.18	3.66	-0.10
<b>12/30/19</b>	A	3.39	-0.34	CNM	CNM	3.49	4.04	3.56	-0.20

**Depth to Water From Ground Surface (feet)**

<b>05/09/18</b>	4.56	NI	0.75	CNM	CNM	4.52	5.12	4.32	NI
<b>08/06/18</b>	5.55	NI	1.51	0.18	0.46	5.43	5.94	5.73	NI
<b>07/10/19</b>	A	4.09	0.23	0.01	0.01	4.46	5.13	4.37	0.62
<b>10/03/19</b>	A	3.53	0.25	CNM	CNM	4.05	4.58	4.04	0.21
<b>12/30/19</b>	A	3.76	0.11	CNM	CNM	3.92	4.44	3.94	0.11

**Groundwater Elevation (feet msl)**

<b>05/09/18</b>	1061.16	NI	1060.45	CNM	CNM	1061.19	1060.50	1061.51	NI
<b>08/06/18</b>	1060.17	NI	1059.69	1059.27	1059.31	1060.28	1059.68	1060.10	NI
<b>07/10/19</b>	A	1061.31	1060.97	1059.44	1059.76	1061.25	1060.49	1061.46	1059.70
<b>10/03/19</b>	A	1061.87	1060.95	CNM	CNM	1061.66	1061.04	1061.79	1060.11
<b>12/30/19</b>	A	1061.64	1061.09	CNM	CNM	1061.79	1061.18	1061.89	1060.21

CNM = Could Not Measure - Water level above ground surface

A = Abandoned

NI = Not Installed

**A.7 Other**  
**Groundwater NA Indicator Results**  
**Sandy's Service (former) BRRTS #03-16-286908**

**Well MW-1/MW-1R**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	0.77	6.89	4.0	9.0	413.5	<0.36	15.1	14.2	1690
08/06/18	0.98	7.41	-89.0	17.5	393.7	NS	NS	NS	NS
04/23/19	WELL ABANDONED AND REMOVED DURING EXCAVATION PROJECT								
06/03/19	MW-1 REPLACED WITH MW-1R								
07/10/19	1.04	6.88	88.2	20.06	634.0	NS	NS	NS	NS
10/03/19	0.22	7.23	44.8	16.79	820.0	NS	NS	NS	NS
12/30/19	2.06	6.90	60.6	5.63	913.0	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-2**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	0.88	7.37	-59	9.5	412.1	<0.3.6	7.91	2.57	738
08/06/18	1.17	7.87	-46.0	17.7	330.2	NS	NS	NS	NS
07/10/19	1.59	7.67	11.7	20.59	840.0	NS	NS	NS	NS
10/03/19	0.11	7.27	114.5	13.97	510.0	NS	NS	NS	NS
12/30/19	2.04	6.88	-80.3	6.36	578.0	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-3**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	1.37	7.42	58.0	7.6	419.2	<0.36	5.02	2.69	487
08/06/18	1.19	8.02	-10.0	15.9	306.8	NS	NS	NS	NS
07/10/19	1.20	6.96	-138.4	9.02	564.0	NS	NS	NS	NS
10/03/19	0.07	7.27	118.0	12.31	590.0	NS	NS	NS	NS
12/30/19	1.89	6.89	-87.3	7.82	629.0	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - <i>Italics</i>						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

**A.7 Other**  
**Groundwater NA Indicator Results**  
**Sandy's Service (former) BRRTS #03-16-286908**

**Well MW-4**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	1.39	7.09	87.0	7.0	398.1	<0.36	7.26	2.03	733
08/06/18	1.50	7.73	112.0	19.4	312.1	NS	NS	NS	NS
07/10/19	1.17	6.90	-105.8	9.65	539.0	NS	NS	NS	NS
10/03/19	0.33	7.01	-39.1	12.37	600.0	NS	NS	NS	NS
12/30/19	1.99	6.62	-58.0	7.34	665.0	NS	NS	NS	NS
<b>ENFORCEMENT STANDARD = ES – Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-5**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	4.80	6.93	216.0	8.9	1802.0	<0.36	24.7	0.27	224
08/06/18	1.56	7.40	-49.0	18.7	175.8	NS	NS	NS	NS
07/10/19	3.25	6.04	253.7	15.73	195.0	NS	NS	NS	NS
10/03/19	1.33	6.57	155.0	15.89	200.0	NS	NS	NS	NS
12/30/19	2.41	6.39	115.7	6.56	322.0	NS	NS	NS	NS
<b>ENFORCEMENT STANDARD = ES – Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-6**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
05/09/18	2.94	7.07	182.0	6.4	673	<0.36	9.74	0.21	933
08/06/18	1.25	7.43	-13.0	17.8	557.0	NS	NS	NS	NS
07/10/19	2.07	6.11	228.7	15.91	1056.0	NS	NS	NS	NS
10/03/19	2.13	6.56	216.7	15.16	854.0	NS	NS	NS	NS
12/30/19	6.27	6.47	163.4	4.68	706.0	NS	NS	NS	NS
<b>ENFORCEMENT STANDARD = ES – Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

**A.7 Other**  
**Groundwater NA Indicator Results**  
**Sandy's Service (former) BRRTS #03-16-286908**

**Well MW-7**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
05/09/18	8.55	6.17	190.0	7.6	104.4	0.43	17.8	<0.03	110
08/06/18	3.98	7.62	117.0	17.7	139.2	NS	NS	NS	NS
07/10/19	4.14	6.24	242.9	18.24	116.0	NS	NS	NS	NS
10/03/19	4.10	6.89	217.7	15.40	183.0	NS	NS	NS	NS
12/30/19	8.93	7.84	121.5	4.98	73.0	NS	NS	NS	NS
<b>ENFORCEMENT STANDARD = ES – Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

**Well MW-8**

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp ( C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)
07/10/19	0.99	7.15	-59.0	21.71	588.0	NS	NS	NS	NS
10/03/19	2.83	7.56	-144.2	13.10	579.0	NS	NS	NS	NS
12/30/19	3.11	7.29	-95.2	5.69	648.0	NS	NS	NS	NS
<b>ENFORCEMENT STANDARD = ES – Bold</b>						<b>10</b>	-	-	<b>300</b>
<b>PREVENTIVE ACTION LIMIT = PAL - Italics</b>						<b>2</b>	-	-	<b>60</b>

(ppb) = parts per billion (ppm) = parts per million  
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential  
 Note: Elevations are presented in feet mean sea level (msl).

Project No.: B19 10505  
Project Name: Sandy's Service (former)  
Location: Lozy Court, WI

Sample ID: SS-1  
Date: 12-30-19  
Personnel: S. Schmidt

Radon or VOC mitigation system in building?  Present  Operating

**Equipment**

- Air canister & connectors
- Air Chain-of-Custody form
- Hammer drill and bit(s)
- Extension cord
- Shut-in Test assembly
- Vapor Pin® kit
- Vapor Pin® toolbox
- PID # 604
- Covers (permanent installation)
- Shop-Vac / broom & dustpan
- Concrete patch

**Vapor Pin® Installation**

Installation Date: 12.30.19

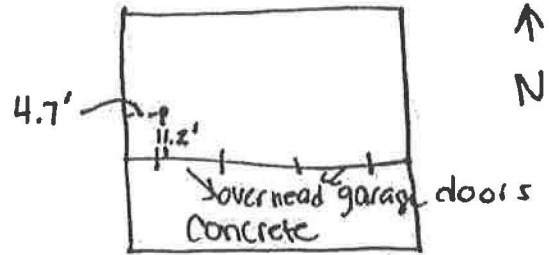
Installation Type:

- Temporary
- Permanent
  - Stainless steel cover
  - Plastic cover

Concrete Thickness (inches): 5"

Concrete patch (if temporary)

Sketch of pin location with measurements to walls:



**Soil Vapor Sampling**

Relative sub-slab pressure (±pascals): +0.7

Water dam test passed

Shut-in test passed

Purged 200 mL air prior to sampling

Sampling Canister ID: 3619  
 1 Liter  6 Liters

Flow Controller ID: 1196  
 None  200 mL/min

Canister Vacuum on Label ("Hg): -70

Canister Initial Vacuum ("Hg): -28

Do not use the canister if the difference between the label and initial vacuum is >4"Hg or if the initial is <25"Hg.

Collection Start Time: 1100

The final vacuum must be <5"Hg or at least 20"Hg less than the initial vacuum.

Canister Final Vacuum ("Hg): -3

Collection End Time: 12.30.19 @ 11:38

PID Reading (ppm): 1.2 ppm

**Notes:**

4.7' from West Wall  
11.2' from South Wall



Project No.: B19 10505 Sample ID: 55-2  
Project Name: Sandy's Service (Resmas) Date: 12.30.19  
Location: Lozy Corner, WI Personnel: S. Schmidt

Radon or VOC mitigation system in building?  Present  Operating

**Equipment**

- |   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Air canister & connectors | <input checked="" type="checkbox"/> Shut-in Test assembly | <input type="checkbox"/> Covers (permanent installation)       |
| <input checked="" type="checkbox"/> Air Chain-of-Custody form | <input checked="" type="checkbox"/> Vapor Pin® kit        | <input checked="" type="checkbox"/> Shop-Vac / broom & dustpan |
| <input checked="" type="checkbox"/> Hammer drill and bit(s)   | <input checked="" type="checkbox"/> Vapor Pin® toolbox    | <input checked="" type="checkbox"/> Concrete patch             |
| <input checked="" type="checkbox"/> Extension cord            | <input checked="" type="checkbox"/> PID # <u>64</u>       |  |

**Vapor Pin® Installation**

Installation Date: 12.30.19

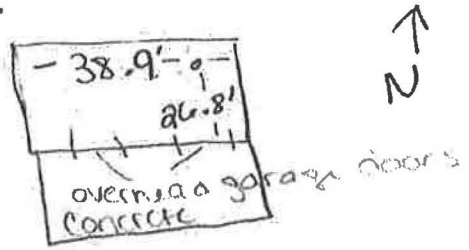
Installation Type:

- Temporary  
 Permanent  
 Stainless steel cover  
 Plastic cover

Concrete Thickness (inches): 5"

Concrete patch (if temporary)

Sketch of pin location with measurements to walls:



**Soil Vapor Sampling**

Relative sub-slab pressure (±pascals): -1.4

Water dam test passed

Shut-in test passed

Purged 200 mL air prior to sampling

Sampling Canister ID: 47

1 Liter  6 Liters

Flow Controller ID: 1632

None  200 mL/min

Canister Vacuum on Label ("Hg): -30

Canister Initial Vacuum ("Hg): -28.5

Do not use the canister if the difference between the label and initial vacuum is >4"Hg or if the initial is <25"Hg.

Collection Start Time: 12:15

The final vacuum must be <5"Hg or at least 20"Hg less than the initial vacuum.

Canister Final Vacuum ("Hg): -3

Collection End Time: 12:52

PID Reading (ppm): 9.5 ppm

**Notes:**

26.8' from South wall  
38.9' from West wall

Vapor Pin® Installation and Soil Vapor Sampling Form

Project No.: B19 10505 Sample ID: SS-3  
 Project Name: Sandy's Service (Formax) Date: 12.30.19  
 Location: 6079 Conover, MI Personnel: S. Schmitt

Radon or VOC mitigation system in building?  Present  Operating

**Equipment**

- |   |   |  |
|---|---|--|
| <input checked="" type="checkbox"/> Air canister & connectors | <input checked="" type="checkbox"/> Shut-in Test assembly | <input type="checkbox"/> Covers (permanent installation)       |
| <input checked="" type="checkbox"/> Air Chain-of-Custody form | <input checked="" type="checkbox"/> Vapor Pin® kit        | <input checked="" type="checkbox"/> Shop-Vac / broom & dustpan |
| <input checked="" type="checkbox"/> Hammer drill and bit(s)   | <input checked="" type="checkbox"/> Vapor Pin® toolbox    | <input checked="" type="checkbox"/> Concrete patch             |
| <input checked="" type="checkbox"/> Extension cord            | <input checked="" type="checkbox"/> PID # <u>64</u>       |  |

**Vapor Pin® Installation**

Installation Date: 12.30.19

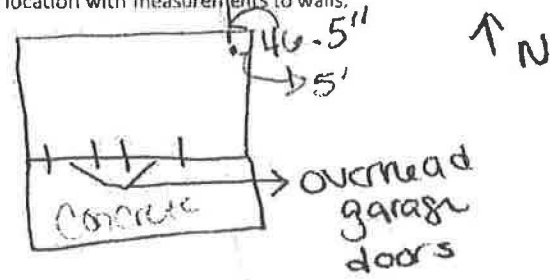
Installation Type:

- Temporary  
 Permanent  
 Stainless steel cover  
 Plastic cover

Concrete Thickness (inches): 5"

Concrete patch (if temporary)

Sketch of pin location with measurements to walls:



**Soil Vapor Sampling**

Relative sub-slab pressure (±pascals): -1.2

- Water dam test passed  
 Shut-in test passed  
 Purged 200 mL air prior to sampling

Sampling Canister ID: 3324  
 1 Liter  6 Liters

Flow Controller ID: 2837  
 None  200 mL/min

Canister Vacuum on Label ("Hg): -30

Canister Initial Vacuum ("Hg): -27

Do not use the canister if the difference between the label and initial vacuum is >4"Hg or if the initial is <25"Hg.

Collection Start Time: 1230

The final vacuum must be <5"Hg or at least 20"Hg less than the initial vacuum.

Canister Final Vacuum ("Hg): -2

Collection End Time: 13.14

PID Reading (ppm): 0.2 ppm

**Notes:**

46.5" from North Wall  
5' from East Wall

Project No.: B1910505 Date: 12.30.19  
Project Name: Sand's Service (Farmer) Personnel: S. Schmidt  
Location: Cozy Corners, VT Time On Site: 1000 Time Off Site: 1430  
 Photos taken and documented. Project Manager: N. Stingle

Other Braun Intertec Staff:  
NA

Weather (temperature, wind speed and direction, etc.):  
32° & Snow/Sleet

Other Personnel (subcontractors, site superintendent, etc.; include time on site and time off site):  
Metco Personnel - Rob

PPE and Field Equipment Used (e.g., PID; include ID numbers, calibration information, etc.):  
# 64, Detector Calibrated to 100.1 ppm

Work Completed (include field scope, unexpected issues, action items, log of communication, and site sketch):

Spoke w/ Ray Sandstrom (Site Prep). Indicated he was unable to meet on-site due to conflicting obligations. Ray gave me the code to the building = 9415. According to Ray there are various DRUMS w/in the building & indicated the locations SS ~~set~~ should be placed to avoid. - See sketch on pg. 2

Met w/ Rob of Metco on site & discussed placements that Ray suggested.

- Completed sub-slab locations SS-1, SS-2, and SS-3.
- Called Ray to inform him I was completed & shut building up and turned on alarm.

Left site.

Signature: Samantha Schmidt

Project No.: B1910505

Date: 12.30.19

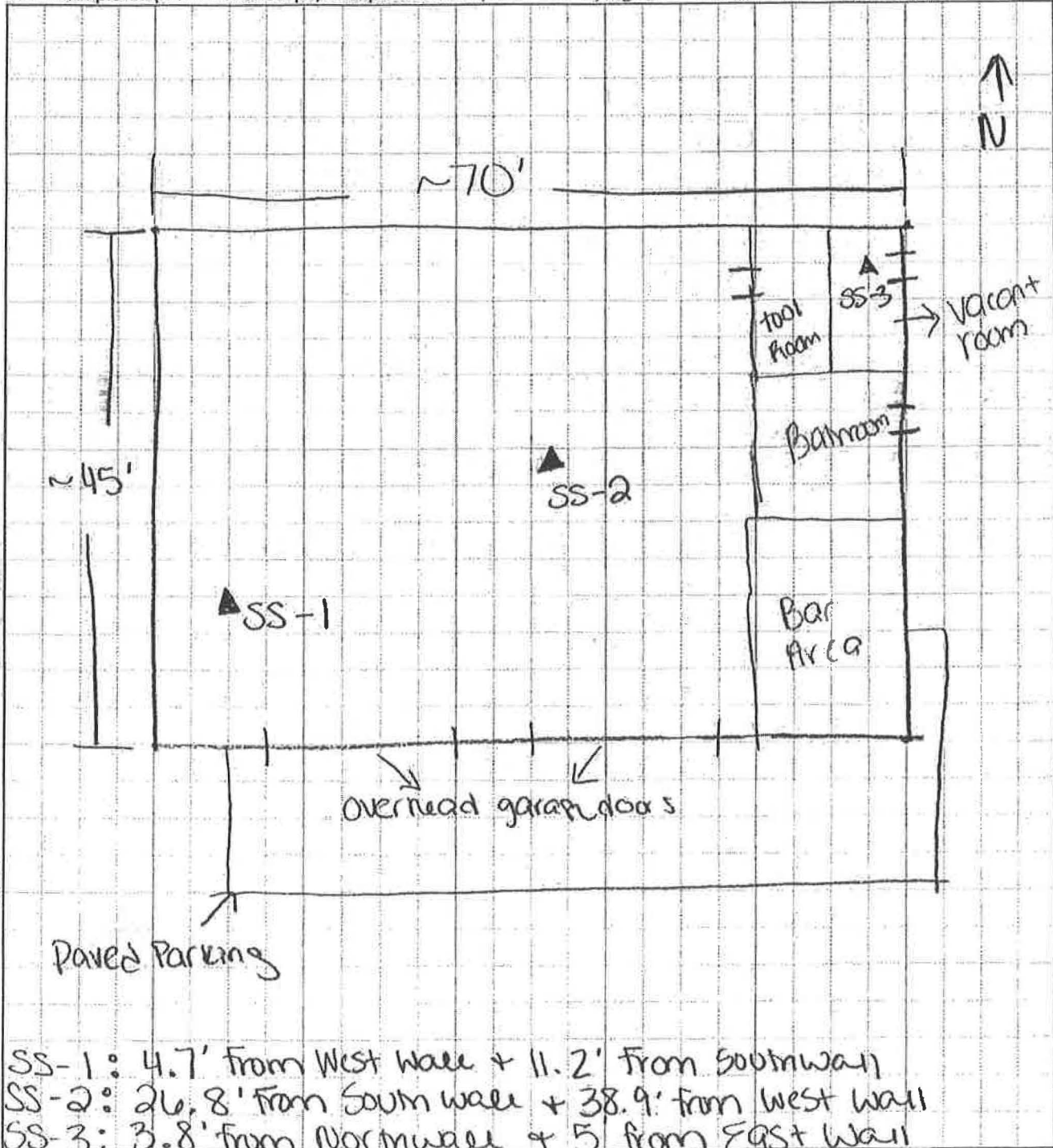
Project Name: Sandy's Service

Personnel: S. Schmidt

Location: Cozy Corner, WI

Project Manager: N. Stingle

Work Completed (include field scope, unexpected issues, action items, log of communication, and site sketch):



SS-1: 4.7' from West wall + 11.2' from South wall  
SS-2: 26.8' from South wall + 38.9' from West wall  
SS-3: 3.8' from North wall + 5' from East wall

Signature: Samantha Schmidt

# Synergy Environmental Lab,

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

RAY SANDSTROM  
 RAY SANDSTROM  
 31125 GABLE AVE.,  
 STACY, MN 55079

Report Date 18-Oct-19

Project Name SANDY'S SERVICES  
 Project #

Invoice # E36916

Lab Code 5036916A  
 Sample ID PW16571 STH 35  
 Sample Matrix Water  
 Sample Date 10/3/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/8/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		10/11/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		10/11/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		10/11/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		10/11/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		10/11/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		10/11/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		10/11/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		10/11/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		10/11/2019	CJR	1

Project #

Lab Code 5036916B  
 Sample ID MW-8  
 Sample Matrix Water  
 Sample Date 10/3/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/8/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		10/11/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		10/11/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		10/11/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		10/11/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		10/11/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		10/11/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		10/11/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		10/11/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		10/11/2019	CJR	1

Lab Code 5036916C  
 Sample ID MW-7  
 Sample Matrix Water  
 Sample Date 10/3/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/8/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		10/11/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		10/11/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		10/11/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		10/11/2019	CJR	1
Toluene	0.62 "J"	ug/l	0.29	0.93	1	GRO95/8021		10/11/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		10/11/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		10/11/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		10/11/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		10/11/2019	CJR	1

Project #

Lab Code 5036916D  
 Sample ID MW-6  
 Sample Matrix Water  
 Sample Date 10/3/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/8/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		10/11/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		10/11/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		10/11/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		10/11/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		10/11/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		10/11/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		10/11/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		10/11/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		10/11/2019	CJR	1

Lab Code 5036916E  
 Sample ID MW-4  
 Sample Matrix Water  
 Sample Date 10/3/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/8/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	0.68 "J"	ug/l	0.32	1.02	1	GRO95/8021		10/11/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		10/11/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		10/11/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		10/11/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		10/11/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		10/11/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		10/11/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		10/11/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		10/11/2019	CJR	1

Project #

Lab Code 5036916F  
 Sample ID MW-5  
 Sample Matrix Water  
 Sample Date 10/3/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/8/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		10/11/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		10/11/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		10/11/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		10/11/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		10/11/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		10/11/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		10/11/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		10/11/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		10/11/2019	CJR	1

Lab Code 5036916G  
 Sample ID MW-2  
 Sample Matrix Water  
 Sample Date 10/3/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/9/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	196	ug/l	0.32	1.02	1	GRO95/8021		10/11/2019	CJR	1
Ethylbenzene	28.6	ug/l	0.29	0.94	1	GRO95/8021		10/11/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		10/11/2019	CJR	1
Naphthalene	2.03 "J"	ug/l	1.3	4.1	1	GRO95/8021		10/11/2019	CJR	1
Toluene	54	ug/l	0.29	0.93	1	GRO95/8021		10/11/2019	CJR	1
1,2,4-Trimethylbenzene	11.2	ug/l	0.46	1.46	1	GRO95/8021		10/11/2019	CJR	1
1,3,5-Trimethylbenzene	3.07	ug/l	0.67	2.15	1	GRO95/8021		10/11/2019	CJR	1
m&p-Xylene	62	ug/l	0.52	1.67	1	GRO95/8021		10/11/2019	CJR	1
o-Xylene	30.7	ug/l	0.7	2.24	1	GRO95/8021		10/11/2019	CJR	1



Project #

Lab Code 5036916H  
 Sample ID MW-3  
 Sample Matrix Water  
 Sample Date 10/3/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/8/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	360	ug/l	3.2	10.2	10	GRO95/8021		10/12/2019	CJR	1
Ethylbenzene	63	ug/l	2.9	9.4	10	GRO95/8021		10/12/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.4	ug/l	2.4	7.8	10	GRO95/8021		10/12/2019	CJR	1
Naphthalene	36 "J"	ug/l	13	41	10	GRO95/8021		10/12/2019	CJR	1
Toluene	36	ug/l	2.9	9.3	10	GRO95/8021		10/12/2019	CJR	1
1,2,4-Trimethylbenzene	111	ug/l	4.6	14.6	10	GRO95/8021		10/12/2019	CJR	1
1,3,5-Trimethylbenzene	28.6	ug/l	6.7	21.5	10	GRO95/8021		10/12/2019	CJR	1
m&p-Xylene	540	ug/l	5.2	16.7	10	GRO95/8021		10/12/2019	CJR	1
o-Xylene	258	ug/l	7	22.4	10	GRO95/8021		10/12/2019	CJR	1

Lab Code 5036916I  
 Sample ID MW-1R  
 Sample Matrix Water  
 Sample Date 10/3/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		10/8/2019	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	107	ug/l	0.32	1.02	1	GRO95/8021		10/17/2019	CJR	1
Ethylbenzene	23.3	ug/l	0.29	0.94	1	GRO95/8021		10/17/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		10/17/2019	CJR	1
Naphthalene	37	ug/l	1.3	4.1	1	GRO95/8021		10/17/2019	CJR	1
Toluene	23.3	ug/l	0.29	0.93	1	GRO95/8021		10/17/2019	CJR	1
1,2,4-Trimethylbenzene	18.8	ug/l	0.46	1.46	1	GRO95/8021		10/17/2019	CJR	1
1,3,5-Trimethylbenzene	10.3	ug/l	0.67	2.15	1	GRO95/8021		10/17/2019	CJR	1
m&p-Xylene	30.1	ug/l	0.52	1.67	1	GRO95/8021		10/17/2019	CJR	1
o-Xylene	19.8	ug/l	0.7	2.24	1	GRO95/8021		10/17/2019	CJR	1

Project #

Lab Code 5036916J

Sample ID TB

Sample Matrix Water

Sample Date 10/3/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.32	ug/l	0.32	1.02	1	GRO95/8021		10/11/2019	CJR	1
Ethylbenzene	< 0.29	ug/l	0.29	0.94	1	GRO95/8021		10/11/2019	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.24	ug/l	0.24	0.78	1	GRO95/8021		10/11/2019	CJR	1
Naphthalene	< 1.3	ug/l	1.3	4.1	1	GRO95/8021		10/11/2019	CJR	1
Toluene	< 0.29	ug/l	0.29	0.93	1	GRO95/8021		10/11/2019	CJR	1
1,2,4-Trimethylbenzene	< 0.46	ug/l	0.46	1.46	1	GRO95/8021		10/11/2019	CJR	1
1,3,5-Trimethylbenzene	< 0.67	ug/l	0.67	2.15	1	GRO95/8021		10/11/2019	CJR	1
m&p-Xylene	< 0.52	ug/l	0.52	1.67	1	GRO95/8021		10/11/2019	CJR	1
o-Xylene	< 0.7	ug/l	0.7	2.24	1	GRO95/8021		10/11/2019	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

*Code Comment*

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

*Michael Ricker*

CHAIN OF CUSTODY RECORD

# Synergy

## Environmental Lab, Inc.

Chain # No 3404

Page 1 of 1

Lab I.D. # \_\_\_\_\_  
 Account No.: \_\_\_\_\_ Quote No.: \_\_\_\_\_  
 Project #: \_\_\_\_\_  
 Sampler: (signature) *Rob Wilmoth*

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

**Sample Handling Request**  
 Rush Analysis Date Required \_\_\_\_\_  
 (Rushes accepted only with prior authorization)  
 Normal Turn Around

Project (Name / Location): *Sandy's Services / Dairyland, WI*  
 Reports To: *Ray Sandstrom* Invoice To: *Ray Sandstrom*  
 Company: \_\_\_\_\_ Company: *80 METCO*  
 Address: *31125 Gable Ave* Address: *709 Gillette St, Ste #3*  
 City State Zip: *Stacy, MN 55079* City State Zip: *Le Cross, WI 54603*  
 Phone: *612-401-9747* Phone: *608 781 8879*  
 FAX: \_\_\_\_\_ FAX: \_\_\_\_\_

Analysis Requested: \_\_\_\_\_ Other Analysis: \_\_\_\_\_

Lab I.D.	Sample I.D.	Collection		Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Dissolved)	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 824.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID
		Date	Time																					
<i>E036916A</i>	<i>16571 57425</i>	<i>10-3</i>	<i>10:15</i>		<i>X</i>	<i>Y/N</i>	<i>4</i>	<i>GW</i>	<i>Hand/HCL</i>			<i>X</i>						<i>X</i>						
<i>B</i>	<i>MU-8</i>		<i>11:11</i>									<i>X</i>						<i>X</i>						
<i>C</i>	<i>MU-7</i>		<i>11:37</i>									<i>X</i>						<i>X</i>						
<i>D</i>	<i>MU-6</i>		<i>12:07</i>									<i>X</i>						<i>X</i>						
<i>E</i>	<i>MU-4</i>		<i>12:40</i>									<i>X</i>						<i>X</i>						
<i>F</i>	<i>MU-5</i>		<i>1:07</i>									<i>X</i>						<i>X</i>						
<i>G</i>	<i>MU-2</i>		<i>2:02</i>									<i>X</i>						<i>X</i>						
<i>H</i>	<i>MU-3</i>		<i>2:20</i>									<i>X</i>						<i>X</i>						
<i>I</i>	<i>MU-1R</i>	<i>V</i>	<i>2:36</i>									<i>X</i>						<i>X</i>						
<i>J</i>	<i>TA</i>	<i>10-3</i>	<i>-</i>		<i>V</i>	<i>N</i>	<i>Y</i>		<i>HCL</i>			<i>X</i>						<i>X</i>						

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)  
*Lab to send copy of report to METCO/Jason P. (FAVORABLE TO METCO).  
 \* Agent Status \* and C Rates Apply.*

Sample Integrity - To be completed by receiving lab  
 Method of Shipment: *GC*  
 Temp. of Temp. Blank: \_\_\_\_\_ °C On Ice   
 Cooler seal intact upon receipt:  Yes \_\_\_\_\_ No

Relinquished By: (sign) *[Signature]* Time: *7:59* Date: *10-3-19*  
 Received By: (sign) \_\_\_\_\_ Time: \_\_\_\_\_ Date: \_\_\_\_\_  
 Received in Laboratory By: *[Signature]* Time: *10:00* Date: *10/5/19*

# Synergy Environmental Lab,

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

RAY SANDSTROM  
RAY SANDSTROM  
31125 GABLE AVE.,  
STACY, MN 55079

Report Date 13-Jan-20

Project Name SANDY'S SERVICE

Invoice # E37349

Project #

Lab Code 5037349A  
Sample ID 16571 STH 35  
Sample Matrix Water  
Sample Date 12/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
<b>Inorganic</b>										
<b>Metals</b>										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		1/10/2020	CWT	1
<b>Organic</b>										
<b>PVOC + Naphthalene</b>										
Benzene	< 0.48	ug/l	0.48	1.54	1	GRO95/8021		1/7/2020	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.76	1	GRO95/8021		1/7/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		1/7/2020	CJR	1
Naphthalene	< 0.82	ug/l	0.82	2.59	1	GRO95/8021		1/7/2020	CJR	1
Toluene	< 0.62	ug/l	0.62	1.98	1	GRO95/8021		1/7/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.71	ug/l	0.71	2.26	1	GRO95/8021		1/7/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.66	ug/l	0.66	2.08	1	GRO95/8021		1/7/2020	CJR	1
m&p-Xylene	< 1.35	ug/l	1.35	4.31	1	GRO95/8021		1/7/2020	CJR	1
o-Xylene	< 0.69	ug/l	0.69	2.21	1	GRO95/8021		1/7/2020	CJR	1

Project #

Lab Code 5037349B  
 Sample ID MW-8  
 Sample Matrix Water  
 Sample Date 12/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		1/10/2020	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.48	ug/l	0.48	1.54	1	GRO95/8021		1/7/2020	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.76	1	GRO95/8021		1/7/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		1/7/2020	CJR	1
Naphthalene	< 0.82	ug/l	0.82	2.59	1	GRO95/8021		1/7/2020	CJR	1
Toluene	< 0.62	ug/l	0.62	1.98	1	GRO95/8021		1/7/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.71	ug/l	0.71	2.26	1	GRO95/8021		1/7/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.66	ug/l	0.66	2.08	1	GRO95/8021		1/7/2020	CJR	1
m&p-Xylene	< 1.35	ug/l	1.35	4.31	1	GRO95/8021		1/7/2020	CJR	1
o-Xylene	< 0.69	ug/l	0.69	2.21	1	GRO95/8021		1/7/2020	CJR	1

Lab Code 5037349C  
 Sample ID MW-7  
 Sample Matrix Water  
 Sample Date 12/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		1/10/2020	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.48	ug/l	0.48	1.54	1	GRO95/8021		1/7/2020	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.76	1	GRO95/8021		1/7/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		1/7/2020	CJR	1
Naphthalene	< 0.82	ug/l	0.82	2.59	1	GRO95/8021		1/7/2020	CJR	1
Toluene	< 0.62	ug/l	0.62	1.98	1	GRO95/8021		1/7/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.71	ug/l	0.71	2.26	1	GRO95/8021		1/7/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.66	ug/l	0.66	2.08	1	GRO95/8021		1/7/2020	CJR	1
m&p-Xylene	< 1.35	ug/l	1.35	4.31	1	GRO95/8021		1/7/2020	CJR	1
o-Xylene	< 0.69	ug/l	0.69	2.21	1	GRO95/8021		1/7/2020	CJR	1

Project #

Lab Code 5037349D  
 Sample ID MW-6  
 Sample Matrix Water  
 Sample Date 12/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		1/10/2020	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.48	ug/l	0.48	1.54	1	GRO95/8021		1/7/2020	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.76	1	GRO95/8021		1/7/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		1/7/2020	CJR	1
Naphthalene	< 0.82	ug/l	0.82	2.59	1	GRO95/8021		1/7/2020	CJR	1
Toluene	< 0.62	ug/l	0.62	1.98	1	GRO95/8021		1/7/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.71	ug/l	0.71	2.26	1	GRO95/8021		1/7/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.66	ug/l	0.66	2.08	1	GRO95/8021		1/7/2020	CJR	1
m&p-Xylene	< 1.35	ug/l	1.35	4.31	1	GRO95/8021		1/7/2020	CJR	1
o-Xylene	< 0.69	ug/l	0.69	2.21	1	GRO95/8021		1/7/2020	CJR	1

Lab Code 5037349E  
 Sample ID MW-5  
 Sample Matrix Water  
 Sample Date 12/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		1/10/2020	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.48	ug/l	0.48	1.54	1	GRO95/8021		1/7/2020	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.76	1	GRO95/8021		1/7/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		1/7/2020	CJR	1
Naphthalene	< 0.82	ug/l	0.82	2.59	1	GRO95/8021		1/7/2020	CJR	1
Toluene	< 0.62	ug/l	0.62	1.98	1	GRO95/8021		1/7/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.71	ug/l	0.71	2.26	1	GRO95/8021		1/7/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.66	ug/l	0.66	2.08	1	GRO95/8021		1/7/2020	CJR	1
m&p-Xylene	< 1.35	ug/l	1.35	4.31	1	GRO95/8021		1/7/2020	CJR	1
o-Xylene	< 0.69	ug/l	0.69	2.21	1	GRO95/8021		1/7/2020	CJR	1

## Project #

Lab Code 5037349F  
 Sample ID MW-4  
 Sample Matrix Water  
 Sample Date 12/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		1/10/2020	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.48	ug/l	0.48	1.54	1	GRO95/8021		1/7/2020	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.76	1	GRO95/8021		1/7/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		1/7/2020	CJR	1
Naphthalene	< 0.82	ug/l	0.82	2.59	1	GRO95/8021		1/7/2020	CJR	1
Toluene	< 0.62	ug/l	0.62	1.98	1	GRO95/8021		1/7/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.71	ug/l	0.71	2.26	1	GRO95/8021		1/7/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.66	ug/l	0.66	2.08	1	GRO95/8021		1/7/2020	CJR	1
m&p-Xylene	< 1.35	ug/l	1.35	4.31	1	GRO95/8021		1/7/2020	CJR	1
o-Xylene	< 0.69	ug/l	0.69	2.21	1	GRO95/8021		1/7/2020	CJR	1

Lab Code 5037349G  
 Sample ID MW-1R  
 Sample Matrix Water  
 Sample Date 12/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		1/10/2020	CWT	1
Organic										
PVOC + Naphthalene										
Benzene	95	ug/l	0.48	1.54	1	GRO95/8021		1/7/2020	CJR	1
Ethylbenzene	37	ug/l	0.55	1.76	1	GRO95/8021		1/7/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		1/7/2020	CJR	1
Naphthalene	29.2	ug/l	0.82	2.59	1	GRO95/8021		1/7/2020	CJR	1
Toluene	39	ug/l	0.62	1.98	1	GRO95/8021		1/7/2020	CJR	1
1,2,4-Trimethylbenzene	30	ug/l	0.71	2.26	1	GRO95/8021		1/7/2020	CJR	1
1,3,5-Trimethylbenzene	18.1	ug/l	0.66	2.08	1	GRO95/8021		1/7/2020	CJR	1
m&p-Xylene	47	ug/l	1.35	4.31	1	GRO95/8021		1/7/2020	CJR	1
o-Xylene	21.7	ug/l	0.69	2.21	1	GRO95/8021		1/7/2020	CJR	1

Project #

Lab Code 5037349H  
 Sample ID MW-2  
 Sample Matrix Water  
 Sample Date 12/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
<b>Inorganic</b>										
<b>Metals</b>										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		1/10/2020	CWT	1
<b>Organic</b>										
<b>PVOC + Naphthalene</b>										
Benzene	440	ug/l	0.48	1.54	1	GRO95/8021		1/7/2020	CJR	1
Ethylbenzene	62	ug/l	0.55	1.76	1	GRO95/8021		1/7/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		1/7/2020	CJR	1
Naphthalene	7.3	ug/l	0.82	2.59	1	GRO95/8021		1/7/2020	CJR	1
Toluene	248	ug/l	0.62	1.98	1	GRO95/8021		1/7/2020	CJR	1
1,2,4-Trimethylbenzene	30.3	ug/l	0.71	2.26	1	GRO95/8021		1/7/2020	CJR	1
1,3,5-Trimethylbenzene	8.2	ug/l	0.66	2.08	1	GRO95/8021		1/7/2020	CJR	1
m&p-Xylene	143	ug/l	1.35	4.31	1	GRO95/8021		1/7/2020	CJR	1
o-Xylene	73	ug/l	0.69	2.21	1	GRO95/8021		1/7/2020	CJR	1

Lab Code 5037349I  
 Sample ID MW-3  
 Sample Matrix Water  
 Sample Date 12/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
<b>Inorganic</b>										
<b>Metals</b>										
Lead, Dissolved	< 1.1	ug/L	1.1	3.7	1	7421		1/10/2020	CWT	1
<b>Organic</b>										
<b>PVOC + Naphthalene</b>										
Benzene	340	ug/l	4.8	15.4	10	GRO95/8021		1/8/2020	CJR	1
Ethylbenzene	28.3	ug/l	5.5	17.6	10	GRO95/8021		1/8/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 7.1	ug/l	7.1	22.5	10	GRO95/8021		1/8/2020	CJR	1
Naphthalene	18.5 "J"	ug/l	8.2	25.9	10	GRO95/8021		1/8/2020	CJR	1
Toluene	15.5 "J"	ug/l	6.2	19.8	10	GRO95/8021		1/8/2020	CJR	1
1,2,4-Trimethylbenzene	65	ug/l	7.1	22.6	10	GRO95/8021		1/8/2020	CJR	1
1,3,5-Trimethylbenzene	16 "J"	ug/l	6.6	20.8	10	GRO95/8021		1/8/2020	CJR	1
m&p-Xylene	299	ug/l	13.5	43.1	10	GRO95/8021		1/8/2020	CJR	1
o-Xylene	146	ug/l	6.9	22.1	10	GRO95/8021		1/8/2020	CJR	1



Project Name SANDY'S SERVICE

Invoice # E37349

Project #

Lab Code 5037349J

Sample ID TB

Sample Matrix Water

Sample Date 12/30/2019

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.48	ug/l	0.48	1.54	1	GRO95/8021		1/7/2020	CJR	1
Ethylbenzene	< 0.55	ug/l	0.55	1.76	1	GRO95/8021		1/7/2020	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.71	ug/l	0.71	2.25	1	GRO95/8021		1/7/2020	CJR	1
Naphthalene	< 0.82	ug/l	0.82	2.59	1	GRO95/8021		1/7/2020	CJR	1
Toluene	< 0.62	ug/l	0.62	1.98	1	GRO95/8021		1/7/2020	CJR	1
1,2,4-Trimethylbenzene	< 0.71	ug/l	0.71	2.26	1	GRO95/8021		1/7/2020	CJR	1
1,3,5-Trimethylbenzene	< 0.66	ug/l	0.66	2.08	1	GRO95/8021		1/7/2020	CJR	1
m&p-Xylene	< 1.35	ug/l	1.35	4.31	1	GRO95/8021		1/7/2020	CJR	1
o-Xylene	< 0.69	ug/l	0.69	2.21	1	GRO95/8021		1/7/2020	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code	Comment
1	Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

*Michael Ricker*

# Synergy

## Environmental Lab, Inc.

Chain # No 347

Page 2 of 1

Lab I.D. # \_\_\_\_\_  
 Account No.: \_\_\_\_\_ Quote No.: \_\_\_\_\_  
 Project #: \_\_\_\_\_  
 Sampler: (signature) *RL [Signature]*

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

**Sample Handling Request**  
 Rush Analysis Date Required \_\_\_\_\_  
 (Rushes accepted only with prior authorization)  
 Normal Turn Around

Project (Name / Location): *Sandy's Service / Dairyland, WI*  
 Reports To: *Ray Sandstrom* Invoice To: *Ray Sandstrom*  
 Company: \_\_\_\_\_ Company: *Go METCO*  
 Address: *31125 Gable Ave.* Address: *709 Gillette St., Ste #3*  
 City State Zip: *Stacy, MN 55079* City State Zip: *La Crosse, WI 54603*  
 Phone: \_\_\_\_\_ Phone: *608 781 8679*  
 FAX: \_\_\_\_\_ FAX: \_\_\_\_\_

Analysis Requested										Other Analytals				
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Dissolved)	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Dissolved)	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	
S05134	16571 STH35	12-30	1:21		X	Y/N	4	GW	H <sub>2</sub> O <sub>2</sub> /HCL			X						X							
B	mu-8		12:00		X							X						X							
C	mu-7		12:27		X							X						X							
D	mu-6		12:54		X							X						X							
E	mu-5		1:42		X							X						X							
F	mu-4		2:00		X							X						X							
G	mu-12		2:43		X							X						X							
H	mu-2		3:20		X							X						X							
I	mu-3		3:58		X				H <sub>2</sub> O <sub>2</sub> /HCL			X						X							
J	TB					N			HCL									X							

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)  
*\* Lab to send copy of report to METCO (Jason P. (Invoice to METCO))  
 \* UTC Rates Apply  
 \* Agent States*

Sample Integrity - To be completed by receiving lab:  
 Method of Shipment: *By*  
 Temp. of Temp. Blank \_\_\_\_\_ °C On Ice   
 Cooler seal intact upon receipt:  Yes  No

Relinquished By: (sign) *[Signature]* Time: *9:40* Date: *12-31-19*  
 Received By: (sign) \_\_\_\_\_ Time: \_\_\_\_\_ Date: \_\_\_\_\_  
 Received in Laboratory By: *[Signature]* Time: *8:00* Date: *1/3/20*



Pace Analytical Services, LLC  
1700 Elm Street - Suite 200  
Minneapolis, MN 55414  
(612)607-1700

January 09, 2020

Nicholas Stingl  
Braun Intertec  
2309 Palace Sreet  
La Crosse, WI 54603

RE: Project: B1910505 Sandy's Service  
Pace Project No.: 10504223

Dear Nicholas Stingl:

Enclosed are the analytical results for sample(s) received by the laboratory on January 02, 2020. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Bob Michels  
bob.michels@pacelabs.com  
(612)709-5046  
Project Manager

Enclosures



#### REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: B1910505 Sandy's Service  
Pace Project No.: 10504223

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### Pace Analytical Services Minneapolis

A2LA Certification #: 2926.01  
Alabama Certification #: 40770  
Alaska Contaminated Sites Certification #: 17-009  
Alaska DW Certification #: MN00064  
Arizona Certification #: AZ0014  
Arkansas DW Certification #: MN00064  
Arkansas WW Certification #: 88-0680  
California Certification #: 2929  
CNMI Saipan Certification #: MP0003  
Colorado Certification #: MN00064  
Connecticut Certification #: PH-0256  
EPA Region 8+Wyoming DW Certification #: via MN 027-053-137  
Florida Certification #: E87605  
Georgia Certification #: 959  
Guam EPA Certification #: MN00064  
Hawaii Certification #: MN00064  
Idaho Certification #: MN00064  
Illinois Certification #: 200011  
Indiana Certification #: C-MN-01  
Iowa Certification #: 368  
Kansas Certification #: E-10167  
Kentucky DW Certification #: 90062  
Kentucky WW Certification #: 90062  
Louisiana DEQ Certification #: 03086  
Louisiana DW Certification #: MN00064  
Maine Certification #: MN00064  
Maryland Certification #: 322  
Massachusetts Certification #: M-MN064  
Massachusetts DWP Certification #: via MN 027-053-137  
Michigan Certification #: 9909  
Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137  
Minnesota Petrofund Certification #: 1240  
Mississippi Certification #: MN00064  
Missouri Certification #: 10100  
Montana Certification #: CERT0092  
Nebraska Certification #: NE-OS-18-06  
Nevada Certification #: MN00064  
New Hampshire Certification #: 2081  
New Jersey Certification #: MN002  
New York Certification #: 11647  
North Carolina DW Certification #: 27700  
North Carolina WW Certification #: 530  
North Dakota Certification #: R-036  
Ohio DW Certification #: 41244  
Ohio VAP Certification #: CL101  
Oklahoma Certification #: 9507  
Oregon Primary Certification #: MN300001  
Oregon Secondary Certification #: MN200001  
Pennsylvania Certification #: 68-00563  
Puerto Rico Certification #: MN00064  
South Carolina Certification #: 74003001  
Tennessee Certification #: TN02818  
Texas Certification #: T104704192  
Utah Certification #: MN00064  
Vermont Certification #: VT-027053137  
Virginia Certification #: 460163  
Washington Certification #: C486  
West Virginia DEP Certification #: 382  
West Virginia DW Certification #: 9952 C  
Wisconsin Certification #: 999407970  
Wyoming UST Certification #: via A2LA 2926.01

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: B1910505 Sandy's Service  
Pace Project No.: 10504223

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
10504223001	SS-1	Air	12/30/19 11:38	01/02/20 09:05
10504223002	SS-2	Air	12/30/19 12:52	01/02/20 09:05
10504223003	SS-3	Air	12/30/19 13:14	01/02/20 09:05
10504223004	Unused Can 1049	Air		01/02/20 09:05

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### SAMPLE ANALYTE COUNT

Project: B1910505 Sandy's Service  
Pace Project No.: 10504223

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10504223001	SS-1	TO-15	CH1	10	PASI-M
10504223002	SS-2	TO-15	CH1	12	PASI-M
10504223003	SS-3	TO-15	CH1	9	PASI-M

### REPORT OF LABORATORY ANALYSIS

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**SUMMARY OF DETECTION**

Project: B1910505 Sandy's Service  
 Pace Project No.: 10504223

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>10504223001</b>	<b>SS-1</b>					
TO-15	Toluene	2.2	ug/m3	1.1	01/07/20 01:21	
TO-15	1,2,4-Trimethylbenzene	2.1	ug/m3	1.5	01/07/20 01:21	
TO-15	m&p-Xylene	2.7	ug/m3	2.6	01/07/20 01:21	
TO-15	3.038:Acetaldehyde	39.8J	ppbv		01/07/20 01:21	N
<b>10504223002</b>	<b>SS-2</b>					
TO-15	Benzene	1.0	ug/m3	0.47	01/07/20 02:21	
TO-15	Ethylbenzene	1.6	ug/m3	1.3	01/07/20 02:21	
TO-15	Naphthalene	50.6	ug/m3	3.9	01/07/20 02:21	
TO-15	Toluene	4.6	ug/m3	1.1	01/07/20 02:21	
TO-15	1,2,4-Trimethylbenzene	23.9	ug/m3	1.5	01/07/20 02:21	
TO-15	1,3,5-Trimethylbenzene	5.3	ug/m3	1.5	01/07/20 02:21	
TO-15	m&p-Xylene	6.5	ug/m3	2.6	01/07/20 02:21	
TO-15	o-Xylene	2.8	ug/m3	1.3	01/07/20 02:21	
TO-15	12.999:Bicyclo[3.1.1]heptane,	58.9J	ppbv		01/07/20 02:21	N
TO-15	13.213:Octane	20.3J	ppbv		01/07/20 02:21	N
TO-15	13.822:Naphthalene, 1,2,3,4-te	18.2J	ppbv		01/07/20 02:21	N
<b>10504223003</b>	<b>SS-3</b>					
TO-15	Ethylbenzene	2.0	ug/m3	1.3	01/07/20 02:50	
TO-15	Toluene	1.5	ug/m3	1.1	01/07/20 02:50	

**REPORT OF LABORATORY ANALYSIS**

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## PROJECT NARRATIVE

Project: B1910505 Sandy's Service  
Pace Project No.: 10504223

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**Method:** TO-15  
**Description:** TO15 MSV AIR (TICS)  
**Client:** Braun Intertec Corporation  
**Date:** January 09, 2020

**General Information:**

3 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of-custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

**Hold Time:**

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

**Initial Calibrations (Including MS Tune as applicable):**

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

**Continuing Calibration:**

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

**Internal Standards:**

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

**Method Blank:**

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

**Laboratory Control Spike:**

All laboratory control spike compounds were within QC limits with any exceptions noted below.

**Duplicate Sample:**

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

**Additional Comments:**

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

## REPORT OF LABORATORY ANALYSIS

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**ANALYTICAL RESULTS**

Project: B1910505 Sandy's Service  
 Pace Project No.: 10504223

Sample: SS-1 Lab ID: 10504223001 Collected: 12/30/19 11:38 Received: 01/02/20 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		Analytical Method: TO-15							
Benzene	ND	ug/m3	0.48	0.23	1.49		01/07/20 01:21	71-43-2	
Ethylbenzene	ND	ug/m3	1.3	0.45	1.49		01/07/20 01:21	100-41-4	
Methyl-tert-butyl ether	ND	ug/m3	5.5	0.99	1.49		01/07/20 01:21	1634-04-4	
Naphthalene	ND	ug/m3	4.0	2.0	1.49		01/07/20 01:21	91-20-3	
Toluene	2.2	ug/m3	1.1	0.52	1.49		01/07/20 01:21	108-88-3	
1,2,4-Trimethylbenzene	2.1	ug/m3	1.5	0.67	1.49		01/07/20 01:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.5	0.59	1.49		01/07/20 01:21	108-67-8	
m&p-Xylene	2.7	ug/m3	2.6	1.0	1.49		01/07/20 01:21	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.51	1.49		01/07/20 01:21	95-47-6	
<i>Tentatively Identified Compounds</i>									
Acetaldehyde	39.8J	ppbv			1.49		01/07/20 01:21	75-07-0	N

**REPORT OF LABORATORY ANALYSIS**

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**ANALYTICAL RESULTS**

Project: B1910505 Sandy's Service  
 Pace Project No.: 10504223

Sample: SS-2 Lab ID: 10504223002 Collected: 12/30/19 12:52 Received: 01/02/20 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		<b>Analytical Method: TO-15</b>							
Benzene	1.0	ug/m3	0.47	0.22	1.46		01/07/20 02:21	71-43-2	
Ethylbenzene	1.6	ug/m3	1.3	0.45	1.46		01/07/20 02:21	100-41-4	
Methyl-tert-butyl ether	ND	ug/m3	5.3	0.97	1.46		01/07/20 02:21	1634-04-4	
Naphthalene	50.6	ug/m3	3.9	1.9	1.46		01/07/20 02:21	91-20-3	
Toluene	4.6	ug/m3	1.1	0.51	1.46		01/07/20 02:21	108-88-3	
1,2,4-Trimethylbenzene	23.9	ug/m3	1.5	0.66	1.46		01/07/20 02:21	95-63-6	
1,3,5-Trimethylbenzene	5.3	ug/m3	1.5	0.58	1.46		01/07/20 02:21	108-67-8	
m&p-Xylene	6.5	ug/m3	2.6	1.0	1.46		01/07/20 02:21	179601-23-1	
o-Xylene	2.8	ug/m3	1.3	0.50	1.46		01/07/20 02:21	95-47-6	
<b>Tentatively Identified Compounds</b>									
Bicyclo[3.1.1]heptane,	58.9J	ppbv			1.46		01/07/20 02:21	473-55-2	N
Octane	20.3J	ppbv			1.46		01/07/20 02:21	111-65-9	N
Naphthalene, 1,2,3,4-te	18.2J	ppbv			1.46		01/07/20 02:21	1559-81-5	N

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**ANALYTICAL RESULTS**

Project: B1910505 Sandy's Service  
 Pace Project No.: 10504223

Sample: SS-3 Lab ID: 10504223003 Collected: 12/30/19 13:14 Received: 01/02/20 09:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
<b>TO15 MSV AIR (TICS)</b>		Analytical Method: TO-15							
Benzene	ND	ug/m3	0.47	0.22	1.44		01/07/20 02:50	71-43-2	
Ethylbenzene	2.0	ug/m3	1.3	0.44	1.44		01/07/20 02:50	100-41-4	
Methyl-tert-butyl ether	ND	ug/m3	5.3	0.95	1.44		01/07/20 02:50	1634-04-4	
Naphthalene	ND	ug/m3	3.8	1.9	1.44		01/07/20 02:50	91-20-3	
Toluene	1.5	ug/m3	1.1	0.51	1.44		01/07/20 02:50	108-88-3	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	0.65	1.44		01/07/20 02:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	0.57	1.44		01/07/20 02:50	108-67-8	
m&p-Xylene	ND	ug/m3	2.5	1.0	1.44		01/07/20 02:50	179601-23-1	
o-Xylene	ND	ug/m3	1.3	0.50	1.44		01/07/20 02:50	95-47-6	

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### QUALITY CONTROL DATA

Project: B1910505 Sandy's Service  
Pace Project No.: 10504223

QC Batch: 653102 Analysis Method: TO-15  
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level  
Associated Lab Samples: 10504223001, 10504223002, 10504223003

METHOD BLANK: 3511123 Matrix: Air  
Associated Lab Samples: 10504223001, 10504223002, 10504223003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	ND	0.50	01/06/20 10:35	
1,3,5-Trimethylbenzene	ug/m3	ND	0.50	01/06/20 10:35	
Benzene	ug/m3	ND	0.16	01/06/20 10:35	
Ethylbenzene	ug/m3	ND	0.44	01/06/20 10:35	
m&p-Xylene	ug/m3	ND	0.88	01/06/20 10:35	
Methyl-tert-butyl ether	ug/m3	ND	1.8	01/06/20 10:35	
Naphthalene	ug/m3	ND	1.3	01/06/20 10:35	
o-Xylene	ug/m3	ND	0.44	01/06/20 10:35	
Toluene	ug/m3	ND	0.38	01/06/20 10:35	

LABORATORY CONTROL SAMPLE: 3511124

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	50	62.2	124	70-137	
1,3,5-Trimethylbenzene	ug/m3	50	58.8	118	70-136	
Benzene	ug/m3	32.5	37.4	115	70-133	
Ethylbenzene	ug/m3	44.1	53.2	121	70-142	
m&p-Xylene	ug/m3	88.3	104	118	70-141	
Methyl-tert-butyl ether	ug/m3	36.6	42.4	116	70-131	
Naphthalene	ug/m3	53.3	49.9	94	63-130	
o-Xylene	ug/m3	44.1	52.3	119	70-135	
Toluene	ug/m3	38.3	43.8	114	70-136	

SAMPLE DUPLICATE: 3511938

Parameter	Units	10504223001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	2.1	2.1	1	25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
Benzene	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	.59J		25	
m&p-Xylene	ug/m3	2.7	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	1J		25	
Toluene	ug/m3	2.2	2.1	1	25	

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.

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## QUALIFIERS

Project: B1910505 Sandy's Service  
Pace Project No.: 10504223

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.  
ND - Not Detected at or above LOD.  
J - Estimated concentration at or above the LOD and below the LOQ.  
LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.  
LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.  
S - Surrogate  
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.  
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.  
LCS(D) - Laboratory Control Sample (Duplicate)  
MS(D) - Matrix Spike (Duplicate)  
DUP - Sample Duplicate  
RPD - Relative Percent Difference  
NC - Not Calculable.  
SG - Silica Gel - Clean-Up  
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.  
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The NELAC Institute.

### LABORATORIES

PASI-M · Pace Analytical Services - Minneapolis

### ANALYTE QUALIFIERS

N The reported TIC has an 85% or higher match on a mass spectral library search.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: B1910505 Sandy's Service  
Pace Project No.: 10504223

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10504223001	SS-1	TO-15	653102		
10504223002	SS-2	TO-15	653102		
10504223003	SS-3	TO-15	653102		

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WO#: 10504223



**AIR: CHAIN-OF-CUSTODY / Analytical Request Document**

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

43115

Page: 1 of 1

<b>Section A</b> Required Client Information:	<b>Section B</b> Required Project Information:	<b>Section C</b> Invoice Information:	<b>Program</b> <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other
Company: <u>Brown Interject</u>	Report To: <u>Nick Single</u>	Attention: <u>SAME</u>	Location of Sampling by State: <u>WI</u> Reporting Units: <u>ug/m<sup>3</sup></u> <u>mg/m<sup>3</sup></u> Other: _____
Address: <u>2309 Polace Street</u> <u>Waukesha, WI 54603</u>	Copy To:	Company Name:	
Email To: <u>Nick Single</u>	Purchase Order No.: <u>B1A10505</u>	Pace Quote Reference:	Report Level: <u>II</u> <u>III</u> <u>IV</u> Other: _____
Phone: <u>708-709-5044</u>	Project Name: <u>Smitty's Service (Former)</u>	Pace Project Manager/Sales Rep.	
Requested Due Date/TAT:	Project Number: <u>B1A10505</u>	Pace Profile #:	

ITEM #	Section D Required Client Information <b>AIR SAMPLE ID</b> Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can SLC Low Volume Puff LVP High Volume Puff HVP Other PM10	MEDIA CODE	PID Reading (Client only)	COLLECTED				Canister Pressure (Initial Field - In Hg)	Canister Pressure (Final Field - In Hg)	Summa Can Number	Flow Control Number	Method: <input type="checkbox"/> PM10 <input type="checkbox"/> 3c - Filtered Gas (3) <input type="checkbox"/> TO-3 BTEX <input type="checkbox"/> TO-3M (Methane) <input type="checkbox"/> TO-15 Full List VOCs <input type="checkbox"/> TO-15 Short List BTEX <input type="checkbox"/> TO-15 Short List Chlorinated <input type="checkbox"/> TO-15 Short List (Other)	Race Lab ID
					COMPOSITE START		COMPOSITE - ENDS/RAS							
					DATE	TIME	DATE	TIME						
1	SS-1			12.20	12:30	11:00	12:30	1388	-28	-3	36191196		X	001
2	SS-2			12.25	12:5	12:52	285	3			471632		X	002
3	SS-3			12.30	13:30	13:14	27	-2			33242837		X	003
4														
5														
6														
7														
8														
9														
10														
11														
12														

Comments: PVOC and Napthalene  
- One canister unused -

ORIGINAL

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS				
<u>[Signature]</u>	<u>12.30.19</u>	<u>1700</u>	<u>[Signature]</u>	<u>Pace</u>	<u>12/20</u>	<u>0905</u>	-	Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N
								Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE  
PRINT Name of SAMPLER: Samantha Schmidt  
SIGNATURE of SAMPLER: [Signature] DATE Signed: 12.30.19

Temp In °C  
Received on ice  
Custody Sealed Cooler  
Samples Intact

Page 13 of 14

**Air Sample Condition Upon Receipt**  
**Client Name:** Braun Intersee  
**Project #:**  
**Courier:**  Fed Ex  UPS  USPS  Client  
 Pace  Speedee  Commercial  Sea Exception  
**Tracking Number:** 1083 0283 3476

**WO#: 10504223**  
**PM: BM2** **Due Date: 01/09/20**  
**CLIENT: Braun-BLM**

**Custody Seal on Cooler/Box Present?**  Yes  No **Seals Intact?**  Yes  No  
**Packing Material:**  Bubble Wrap  Bubble Bags  Foam  None  Tin Can  Other: \_\_\_\_\_ **Temp Blank rec:**  Yes  No  
**Temp. (TO17 and TO13 samples only) (°C):** \_\_\_\_\_ **Corrected Temp (°C):** \_\_\_\_\_ **Thermometer Used:**  G87A9170600254  
 G87A9155100842  
**Temp should be above freezing to 6°C** **Correction Factor:** \_\_\_\_\_ **Date & Initials of Person Examining Contents:** CEG 1/1/20  
**Type of Ice Received**  Blue  Wet  None

		Comments:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans Y <u>N</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Do cans need to be pressurized? (DO NOT PRESSURIZE 3C or ASTM 1946!!!)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13.

Gauge #  10AIR26  10AIR34  10AIR35  4097

Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
SS-1	3619	1196	-3	5					
SS-2	0047	1632	-2.5	5					
SS-3	3324	2837	-2	5					
Unused	1049	0633	-28	-					

**CLIENT NOTIFICATION/RESOLUTION** **Field Data Required?**  Yes  No  
**Person Contacted:** \_\_\_\_\_ **Date/Time:** \_\_\_\_\_  
**Comments/Resolution:** \_\_\_\_\_

**Project Manager Review:** BA Mc **Date:** 1/2/20  
 Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)