

Moore



VILLAGE OF GOWANDA

"Gateway to the Southern Tier"

27 E Main Street ♦ Gowanda NY 14070
(716)532-3353 ♦ Fax (716)532-2938

"The Village of Gowanda is an Equal Opportunity Provider and Employer."

November 16, 2016

RECEIVED

DEC 01 2016

NYS DEC
REGION 9

US EPA Region II
Emergency and Remediation Response Division
290 Broadway – 20th Floor
New York, NY 10007-0866

Attn: Sherrel Henry
Remedial Project Manager

Re: Gowanda Peter Cooper Site – Annual Report

Dear Ms. Henry:

Pursuant to docket 02-2008-2021, please find enclosed the annual report for the Gowanda Peter Cooper site (Zoar Valley Gateway Park). This report contains the SIU permit compliance data, site improvement pictures and a summary of O&M costs.

All discharges to the Village of Gowanda sewer system were in compliance with the village issued SIU permit.

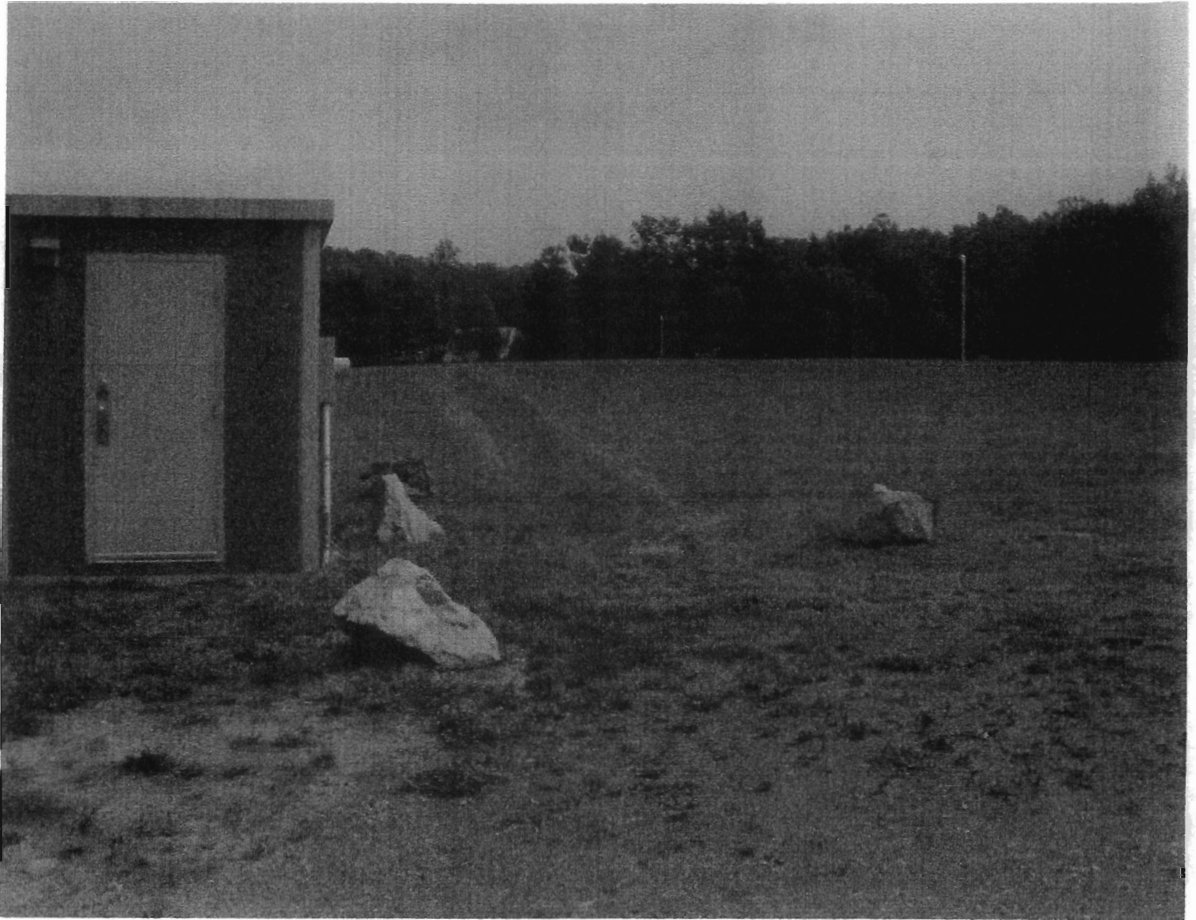
Should you have any questions, please feel free to contact me at 716-532-3353.

Very truly yours,

Heather M. McKeever
Mayor

Cc: Marty Doster, NYS DEC Region 9

Mayor: Heather McKeever ♦ **Trustees:** Carol Sheibley ♦ Aaron Markham ♦ Wanda Koch ♦ Paul Zimmermann
♦ **Village Clerk:** Kathleen Mohawk ♦ **Treasurer:** Mark Adamchick ♦ **Attorney for the Village:** Deborah Chadsey
♦ **Building Inspector/Code Enforcement:** Larry Green
♦ **Officer In Charge:** Steve Raiport ♦ **Public Works Superintendent:** Jason Opferbeck
Highway Supervisor: Gary Denea **Sewer Supervisor:** Andrew Carriero



Village of Gowanda
and
The Gowanda Area
Redevelopment Corporation

Peter Cooper

Annual Report

July 26, 2016

Docket 02-2008-2021

Peter Cooper Annual Report

July 26, 2016

Table of Contents

- 1.) SIU Permit Compliance Data
- 2.) SIU Lab Data
- 3.) Operation and Maintenance Cost Summary
- 4.) Site Pictures

Attachment 1.0

SIU Compliance Data

January 2015

Peter Cooper Daily/Weekly Data Bench Sheet

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5 SU	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading gpd	Peter Cooper Total Daily Flow gpd	Peter Cooper Sulfides (in house results) mg/l
1 Thu					553193.00	5060.00	
2 Fri							
3 Sat							
4 Sun							
5 Mon		7.39	13.40	5.90	593326.00	40133.00	
6 Tue							
7 Wed							
8 Thu							
9 Fri							
10 Sat							
11 Sun							
12 Mon		7.44	11.50	5.50	655982.00	62656.00	
13 Tue							
14 Wed							
15 Thu							
16 Fri							
17 Sat							
18 Sun							
19 Mon		7.28	11.30	6.80	687825.00	31843.00	
20 Tue							
21 Wed							
22 Thu							
23 Fri							
24 Sat							
25 Sun							
26 Mon		7.33	8.50	5.60	714625.00	26800.00	
27 Tue							
28 Wed							
29 Thu							
30 Fri							
31 Sat					729729.00	15104.00	
MIN		7.28	8.50	5.50	553,193.00	5,060.00	-
MAX		7.44	13.40	6.80	729,729.00	62,656.00	-
AVG		7.36	11.18	5.95	655,780.00	30,266.00	-
SUM		29.44	44.70	23.80	3,934,680.00	181,596.00	-
GeoMean		7.36	11.03	5.93	652,574.29	23,396.05	-

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5 SU	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading gpd	Peter Cooper Total Daily Flow gpd	Peter Cooper Sulfides (in house results) mg/l
1 Sun					732462.00	2733.00	-
2 Mon		7.36	10.30	6.60	736121.00	3659.00	-
3 Tue							-
4 Wed							-
5 Thu							-
6 Fri							-
7 Sat							-
8 Sun							-
9 Mon		7.44	13.60	7.00	759887.00	23766.00	-
10 Tue							-
11 Wed							-
12 Thu							-
13 Fri							-
14 Sat							-
15 Sun							-
16 Mon		7.32	9.00	6.80	798252.00	38365.00	-
17 Tue							-
18 Wed							-
19 Thu							-
20 Fri							-
21 Sat							-
22 Sun							-
23 Mon		7.49	10.50	8.00	839750.00	41498.00	-
24 Tue							-
25 Wed							-
26 Thu							-
27 Fri							-
28 Sat					873853.00	34103.00	-
MIN		7.32	9.00	6.60	732,462.00	2,733.00	-
MAX		7.49	13.60	8.00	873,853.00	41,498.00	-
AVG		7.40	10.85	7.10	790,054.17	24,020.67	-
SUM		29.61	43.40	28.40	4,740,325.00	144,124.00	-
GeoMean		7.40	10.73	7.08	788,318.93	15,315.07	-

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading	Peter Cooper Total Daily Flow	Peter Cooper Total Daily Flow MGD	Peter Cooper BOD mg/l	Peter Cooper Suspended Solids	Peter Cooper Phenols mg/l	Peter Cooper TKN mg/l	Peter Cooper Sulfates mg/l	Peter Cooper Sulfides (Lab results)	Peter Cooper Sulfides (in house results)
1 Sun														
2 Mon		7.10	15.70	8.90	879879.00 886172.00	6026.00 6293.00	0.006026 0.006293							
3 Tue														
4 Wed														
5 Thu														
6 Fri														
7 Sat														
8 Sun														
9 Mon		7.14	9.30	8.00	916511.00	30339.00	0.030339							
10 Tue														
11 Wed														
12 Thu														
13 Fri														
14 Sat														
15 Sun														
16 Mon		7.12	7.50	7.80	1017096.00	100585.00	0.100585							
17 Tue														
18 Wed														
19 Thu					1080748.00	63652.00	0.063652	4.80	15.50	0.0120	33.30	123.00		
20 Fri														
21 Sat														
22 Sun														
23 Mon		7.68	6.50	8.10	1165617.00	148521.00	0.148521							
24 Tue														
25 Wed														
26 Thu														
27 Fri														
28 Sat														
29 Sun														
30 Mon		7.18	10.70	8.20	1296374.00	130757.00	0.130757							
31 Tue					1314866.00	18492.00	0.018492							
MIN		7.10	6.50	7.80	879,879.00	6,026.00	0.006026	4.80	15.50	0.0120	33.30	123.00	-	-
MAX		7.68	15.70	8.90	1,314,866.00	148,521.00	0.148521	4.80	15.50	0.0120	33.30	123.00	-	-
AVG		7.24	9.94	8.20	1,069,657.88	63,083.13	0.063083	4.80	15.50	0.0120	33.30	123.00	-	-
SUM		36.22	49.70	41.00	8,557,263.00	504,665.00	0.504665	4.80	15.50	0.0120	33.30	123.00	-	-
GeoMean		7.24	9.47	8.19	1,057,222.97	35,711.56	0.035712	4.80	15.50	0.0120	33.30	123.00	-	-

Peter Cooper Landfill Monthly Report

[illegible]

[illegible]

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Flow Meter Reading	Peter Cooper Total Daily Flow	Peter Cooper Total Daily Flow MGD	Peter Cooper BOD mg/l	Peter Cooper Suspended Solids	Peter Cooper Phenols mg/l	Peter Cooper TKN mg/l	Peter Cooper Sulfates mg/l	Peter Cooper Sulfides (Lab results)	Peter Cooper Sulfides (in house results)
1 Wed					1331083.00	16217.00	0.016217							
2 Thu														
3 Fri														
4 Sat														
5 Sun														
6 Mon		7.42	9.40	8.50	1428623.00	97740.00	0.097740							
7 Tue														
8 Wed														
9 Thu														
10 Fri														
11 Sat														
12 Sun														
13 Mon		7.30	10.20	4.20	1569658.00	141035.00	0.141035							
14 Tue														
15 Wed														
16 Thu														
17 Fri														
18 Sat														
19 Sun														
20 Mon		7.20	16.80	7.20	1699900.00	130042.00	0.130042							
21 Tue														
22 Wed														
23 Thu														
24 Fri														
25 Sat														
26 Sun														
27 Mon		7.18	14.40	7.80	1808850.00	108950.00	0.108950							
28 Tue														
29 Wed														
30 Thu					1835337.00	26487.00	0.026487							
MIN		7.18	9.40	4.20	1,331,083.00	16,217.00	0.016217	-	-	-	-	-	-	-
MAX		7.42	16.80	8.50	1,835,337.00	141,035.00	0.141035	-	-	-	-	-	-	-
AVG		7.28	12.70	6.93	1,612,308.50	86,745.17	0.086745	-	-	-	-	-	-	-
SUM		29.10	50.80	27.70	9,673,851.00	520,471.00	0.520471	-	-	-	-	-	-	-
GeoMean		7.27	12.34	6.69	1,601,146.05	66,163.57	0.066164	-	-	-	-	-	-	-

	Daily Com	Peter Cooper Ammonia mg/l	Peter Cooper BOD Loading Max.200	Peter Cooper Solids Load Max.181lb	Peter Cooper Phenol Loading Max.78lb/	Peter Cooper Ammonia Loading Max.	Peter Cooper Vent # 1 O2	Peter Cooper Vent # 1 CO	Peter Cooper Vent # 1 H2S	Peter Cooper Vent # 1 LEL	Peter Cooper Vent # 2 O2	Peter Cooper Vent # 2 CO	Peter Cooper Vent # 2 H2S	Peter Cooper Vent # 2 LEL	Peter Cooper Vent # 3 O2	Peter Cooper Vent # 3 CO
1 Wed																
2 Thu																
3 Fri																
4 Sat																
5 Sun																
6 Mon																
7 Tue																
8 Wed																
9 Thu																
10 Fri																
11 Sat																
12 Sun																
13 Mon																
14 Tue																
15 Wed																
16 Thu																
17 Fri																
18 Sat																
19 Sun																
20 Mon																
21 Tue																
22 Wed																
23 Thu																
24 Fri							19.20	0.00	0.00	71.00	6.20	47.00	30.00	100.00	20.90	0.00
25 Sat																
26 Sun																
27 Mon																
28 Tue																
29 Wed																
30 Thu																
MIN		-	-	-	-	-	19.20	0.00	0.00	71.00	6.20	47.00	30.00	100.00	20.90	0.00
MAX		-	-	-	-	-	19.20	0.00	0.00	71.00	6.20	47.00	30.00	100.00	20.90	0.00
AVG		-	-	-	-	-	19.20	0.00	0.00	71.00	6.20	47.00	30.00	100.00	20.90	0.00
SUM		-	-	-	-	-	19.20	0.00	0.00	71.00	6.20	47.00	30.00	100.00	20.90	0.00
GeoMean		-	-	-	-	-	19.20	1.00	1.00	71.00	6.20	47.00	30.00	100.00	20.90	1.00

	Daily Com	Peter Cooper Vent # 3 H2S	Peter Cooper Vent # 3 LEL	Peter Cooper Vent # 4 O2	Peter Cooper Vent # 4 CO	Peter Cooper Vent # 4 H2S	Peter Cooper Vent # 4 LEL	Peter Cooper Vent # 5 O2	Peter Cooper Vent # 5 CO	Peter Cooper Vent # 5 H2S	Peter Cooper Vent # 5 LEL
1 Wed											
2 Thu											
3 Fri											
4 Sat											
5 Sun											
6 Mon											
7 Tue											
8 Wed											
9 Thu											
10 Fri											
11 Sat											
12 Sun											
13 Mon											
14 Tue											
15 Wed											
16 Thu											
17 Fri											
18 Sat											
19 Sun											
20 Mon											
21 Tue											
22 Wed											
23 Thu											
24 Fri		0.00	0.00	19.20	0.00	21.40	71.00	20.90	0.00	0.00	0.00
25 Sat											
26 Sun											
27 Mon											
28 Tue											
29 Wed											
30 Thu											
MIN		0.00	0.00	19.20	0.00	21.40	71.00	20.90	0.00	0.00	0.00
MAX		0.00	0.00	19.20	0.00	21.40	71.00	20.90	0.00	0.00	0.00
AVG		0.00	0.00	19.20	0.00	21.40	71.00	20.90	0.00	0.00	0.00
SUM		0.00	0.00	19.20	0.00	21.40	71.00	20.90	0.00	0.00	0.00
GeoMean		1.00	1.00	19.20	1.00	21.40	71.00	20.90	1.00	1.00	1.00

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5 SU	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading gpd	Peter Cooper Total Daily Flow gpd	Peter Cooper Sulfides (in house results) mg/l
1 Fri					1842670.00	7333.00	
2 Sat							
3 Sun							
4 Mon		7.22	57.80	7.20	1860769.00	18099.00	
5 Tue							
6 Wed							
7 Thu							
8 Fri							
9 Sat							
10 Sun							
11 Mon		7.06	66.20	8.60	1897679.00	36910.00	
12 Tue							
13 Wed							
14 Thu							
15 Fri							
16 Sat							
17 Sun							
18 Mon		7.00	64.60	7.90	1946493.00	48814.00	
19 Tue							
20 Wed							
21 Thu							
22 Fri							
23 Sat							
24 Sun							
25 Mon		7.07	66.40	8.20	1972679.00	26186.00	
26 Tue							
27 Wed							
28 Thu							
29 Fri							
30 Sat							
31 Sun					1988405.00	15726.00	
MIN		7.00	57.80	7.20	1,842,670.00	7,333.00	-
MAX		7.22	66.40	8.60	1,988,405.00	48,814.00	-
AVG		7.09	63.75	7.98	1,918,115.83	25,511.33	-
SUM		28.35	255.00	31.90	11,508,695.00	153,068.00	-
GeoMean		7.09	63.65	7.96	1,917,326.83	21,489.12	-

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5 SU	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading gpd	Peter Cooper Total Daily Flow gpd	Peter Cooper Sulfides (In house results) mg/l
1 Mon		6.92	64.00	7.00	2007615.00	19210.00	
2 Tue							
3 Wed							
4 Thu							
5 Fri							
6 Sat							
7 Sun							
8 Mon		7.13	62.20	6.80	2055951.00	48336.00	
9 Tue							
10 Wed							
11 Thu							
12 Fri							
13 Sat							
14 Sun							
15 Mon		6.93	68.50	6.40	2101978.00	46027.00	
16 Tue							
17 Wed							
18 Thu							
19 Fri							
20 Sat							
21 Sun							
22 Mon		7.20	70.90	6.10	2184350.00	82372.00	
23 Tue							
24 Wed							
25 Thu							
26 Fri							
27 Sat							
28 Sun							
29 Mon		7.16	65.50	6.30	2238600.00	54250.00	
30 Tue					2261885.00	23285.00	
MIN		6.92	62.20	6.10	2,007,615.00	19,210.00	-
MAX		7.20	70.90	7.00	2,261,885.00	82,372.00	-
AVG		7.07	66.22	6.52	2,141,729.83	45,580.00	-
SUM		35.34	331.10	32.60	12,850,379.00	273,480.00	-
GeoMean		7.07	66.15	6.51	2,139,678.06	40,551.89	-

Peter Cooper Landfill Monthly Report

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading	Peter Cooper Total Daily Flow	Peter Cooper Total Daily Flow MGD	Peter Cooper BOD mg/l	Peter Cooper Suspended Solids	Peter Cooper Phenols mg/l	Peter Cooper TKN mg/l	Peter Cooper Sulfates mg/l	Peter Cooper Sulfides (Lab results)	Peter Cooper Sulfides (in house results)
1 Wed					2275299.00	13414.00	0.013414							
2 Thu														
3 Fri														
4 Sat														
5 Sun														
6 Mon		7.15	67.20	6.80	2332904.00	57605.00	0.057605							
7 Tue														
8 Wed														
9 Thu														
10 Fri														
11 Sat														
12 Sun														
13 Mon		7.06	68.30	6.80	2402845.00	69941.00	0.069941							
14 Tue														
15 Wed														
16 Thu														
17 Fri														
18 Sat														
19 Sun														
20 Mon		7.11	72.70	6.60	2477282.00	74437.00	0.074437							
21 Tue														
22 Wed														
23 Thu					2486878.00	9696.00	0.009696	5.20	122.00	0.2150	116.00	10.00	1.00	
24 Fri														
25 Sat														
26 Sun														
27 Mon		7.06	69.40	7.40	2499672.00	22390.00	0.022390							
28 Tue														
29 Wed														
30 Thu														
31 Fri					2510429.00	10757.00	0.010757							
MIN		7.06	67.20	6.60	2,275,299.00	9,596.00	0.009596	5.20	122.00	0.2150	116.00	10.00	1.00	
MAX		7.15	72.70	7.40	2,510,429.00	74,437.00	0.074437	5.20	122.00	0.2150	116.00	10.00	1.00	
AVG		7.10	69.40	6.90	2,426,472.71	36,877.14	0.036877	5.20	122.00	0.2150	116.00	10.00	1.00	
SUM		28.38	277.60	27.6016,985,309.00	258,140.00	0.258140		5.20	122.00	0.2150	116.00	10.00	1.00	
GeoMean		7.09	69.37	6.89	2,424,951.98	26,549.33	0.026549	5.20	122.00	0.2150	116.00	10.00	1.00	

[illegible]

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5 SU	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading gpd	Peter Cooper Total Daily Flow gpd	Peter Cooper Sulfides (in house results) mg/l
1 Sat					2512796.00	2367.00	
2 Sun							
3 Mon		7.10	72.50	5.30	2517447.00	4651.00	
4 Tue							
5 Wed							
6 Thu							
7 Fri							
8 Sat							
9 Sun							
10 Mon		7.15	73.00	5.40	2532981.00	15534.00	
11 Tue							
12 Wed							
13 Thu							
14 Fri							
15 Sat							
16 Sun							
17 Mon		7.18	73.40	5.30	2568528.00	35547.00	
18 Tue							
19 Wed							
20 Thu							
21 Fri							
22 Sat							
23 Sun							
24 Mon		7.17	69.40	6.40	2592290.00	23762.00	
25 Tue							
26 Wed							
27 Thu							
28 Fri							
29 Sat							
30 Sun							
31 Mon		7.10	69.90	4.50	2606166.00	13876.00	
MIN		7.10	69.40	4.50	2,512,796.00	2,367.00	-
MAX		7.18	73.40	6.40	2,606,166.00	35,547.00	-
AVG		7.14	71.64	5.38	2,555,034.67	15,956.17	-
SUM		35.70	358.20	26.90	15,330,208.00	95,737.00	-
GeoMean		7.14	71.62	5.35	2,554,778.45	11,228.71	-

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5 SU	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading gpd	Peter Cooper Total Daily Flow gpd	Peter Cooper Sulfides (in house results) mg/l
1 Tue					2608419.00	2253.00	
2 Wed							
3 Thu							
4 Fri							
5 Sat							
6 Sun							
7 Mon		7.22	73.60	5.20	2619027.00	10788.00	
8 Tue							
9 Wed							
10 Thu							
11 Fri							
12 Sat							
13 Sun							
14 Mon		7.08	67.80	5.60	2636981.00	17954.00	
15 Tue							
16 Wed							
17 Thu							
18 Fri							
19 Sat							
20 Sun							
21 Mon		7.21	68.90	6.00	2651920.00	14939.00	
22 Tue							
23 Wed							
24 Thu							
25 Fri							
26 Sat							
27 Sun							
28 Mon		7.25	68.60	5.80	2663600.00	11680.00	
29 Tue							
30 Wed					2670852.00	7252.00	
MIN		7.08	67.80	5.20	2,608,419.00	2,253.00	-
MAX		7.25	73.60	6.00	2,670,852.00	17,954.00	-
AVG		7.19	69.73	5.65	2,641,799.83	10,811.00	-
SUM		28.76	278.90	22.60	15,850,799.00	64,866.00	-
GeoMean		7.19	69.69	5.64	2,641,702.64	9,057.62	-

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading	Peter Cooper Total Daily Flow	Peter Cooper Total Daily Flow MGD	Peter Cooper BOD mg/l	Peter Cooper Suspended Solids	Peter Cooper Phenols mg/l	Peter Cooper TKN mg/l	Peter Cooper Sulfates mg/l	Peter Cooper Sulfides (Lab results)	Peter Cooper Sulfides (in house results)
1 Thu					2690133.00	19281.00	0.019281							
2 Fri														
3 Sat														
4 Sun														
5 Mon		7.24	65.20	6.20	2704982.00	14849.00	0.014849							
6 Tue														
7 Wed														
8 Thu														
9 Fri														
10 Sat														
11 Sun														
12 Mon		7.12	63.20	5.10	2731793.00	26811.00	0.026811							
13 Tue														
14 Wed														
15 Thu														
16 Fri														
17 Sat														
18 Sun														
19 Mon		7.11	61.40	6.30	2764977.00	33184.00	0.033184							
20 Tue														
21 Wed														
22 Thu														
23 Fri														
24 Sat														
25 Sun														
26 Mon		7.15	60.30	6.70	2786702.00	21725.00	0.021725							
27 Tue														
28 Wed														
29 Thu														
30 Fri														
31 Sat					2845459.00	6908.00	0.006908							
MIN		7.11	60.30	5.10	2,690,133.00	6,908.00	0.006908	-	-	-	-	-	-	-
MAX		7.24	65.20	6.70	2,845,459.00	33,184.00	0.033184	-	-	-	-	-	-	-
AVG		7.16	62.53	6.08	2,754,007.67	20,459.67	0.020460	-	-	-	-	-	-	-
SUM		28.62	250.10	24.30	16,524,046.00	122,758.00	0.122758	-	-	-	-	-	-	-
GeoMean		7.15	62.50	6.04	2,753,510.38	18,353.97	0.018354	-	-	-	-	-	-	-

	Daily Com	Peter Cooper Amonia mg/l	Peter Cooper BOD Loading Max.200	Peter Cooper Solids Load Max.181lb	Peter Cooper Phenol Loading Max.78lb/	Peter Cooper Amonia Loading Max.	Peter Cooper Vent # 1 O2	Peter Cooper Vent # 1 CO	Peter Cooper Vent # 1 H2S	Peter Cooper Vent # 1 LEL	Peter Cooper Vent # 2 O2	Peter Cooper Vent # 2 CO	Peter Cooper Vent # 2 H2S	Peter Cooper Vent # 2 LEL	Peter Cooper Vent # 3 O2	Peter Cooper Vent # 3 CO
1 Thu																
2 Fri																
3 Sat																
4 Sun																
5 Mon																
6 Tue																
7 Wed																
8 Thu																
9 Fri																
10 Sat																
11 Sun																
12 Mon																
13 Tue																
14 Wed																
15 Thu																
16 Fri																
17 Sat																
18 Sun																
19 Mon																
20 Tue																
21 Wed																
22 Thu																
23 Fri																
24 Sat																
25 Sun																
26 Mon							19.20	0.00	0.00	100.00	15.90	6.00	0.00	100.00	20.90	0.00
27 Tue																
28 Wed																
29 Thu																
30 Fri																
31 Sat																
MIN		-	-	-	-	-	19.20	0.00	0.00	100.00	15.90	6.00	0.00	100.00	20.90	0.00
MAX		-	-	-	-	-	19.20	0.00	0.00	100.00	15.90	6.00	0.00	100.00	20.90	0.00
AVG		-	-	-	-	-	19.20	0.00	0.00	100.00	15.90	6.00	0.00	100.00	20.90	0.00
SUM		-	-	-	-	-	19.20	0.00	0.00	100.00	15.90	6.00	0.00	100.00	20.90	0.00
GeoMean		-	-	-	-	-	19.20	1.00	1.00	100.00	15.90	6.00	1.00	100.00	20.90	1.00

	Daily Com	Peter Cooper Vent # 3 H2S	Peter Cooper Vent # 3 LEL	Peter Cooper Vent # 4 O2	Peter Cooper Vent # 4 CO	Peter Cooper Vent # 4 H2S	Peter Cooper Vent # 4 LEL	Peter Cooper Vent # 5 O2	Peter Cooper Vent # 5 CO	Peter Cooper Vent # 5 H2S	Peter Cooper Vent # 5 LEL
1 Thu											
2 Fri											
3 Sat											
4 Sun											
5 Mon											
6 Tue											
7 Wed											
8 Thu											
9 Fri											
10 Sat											
11 Sun											
12 Mon											
13 Tue											
14 Wed											
15 Thu											
16 Fri											
17 Sat											
18 Sun											
19 Mon											
20 Tue											
21 Wed											
22 Thu											
23 Fri											
24 Sat											
25 Sun											
26 Mon		0.00	100.00	20.10	30.00	0.00	100.00	22.00	0.00	0.00	4.00
27 Tue											
28 Wed											
29 Thu											
30 Fri											
31 Sat											
MIN		0.00	100.00	20.10	30.00	0.00	100.00	22.00	0.00	0.00	4.00
MAX		0.00	100.00	20.10	30.00	0.00	100.00	22.00	0.00	0.00	4.00
AVG		0.00	100.00	20.10	30.00	0.00	100.00	22.00	0.00	0.00	4.00
SUM		0.00	100.00	20.10	30.00	0.00	100.00	22.00	0.00	0.00	4.00
GeoMean		1.00	100.00	20.10	30.00	1.00	100.00	22.00	1.00	1.00	4.00

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5 SU	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading gpd	Peter Cooper Total Daily Flow gpd	Peter Cooper Sulfides (in house results) mg/l
1 Sun					2852367.00	6371.00	
2 Mon		7.25	61.20	7.90	2858738.00	6371.00	
3 Tue							
4 Wed							
5 Thu							
6 Fri							
7 Sat							
8 Sun							
9 Mon		7.23	59.40	6.80	2885612.00	26874.00	
10 Tue							
11 Wed							
12 Thu							
13 Fri							
14 Sat							
15 Sun							
16 Mon		7.16	56.00	6.80	2973776.00	88164.00	
17 Tue							
18 Wed							
19 Thu							
20 Fri							
21 Sat							
22 Sun							
23 Mon		7.24	56.30	7.60	3016577.00	42801.00	
24 Tue							
25 Wed							
26 Thu							
27 Fri							
28 Sat							
29 Sun							
30 Mon		7.13	56.00	7.50	3048560.00	31983.00	
MIN		7.13	56.00	6.80	2,852,367.00	6,371.00	-
MAX		7.25	61.20	7.90	3,048,560.00	88,164.00	-
AVG		7.20	57.78	7.32	2,939,271.67	33,760.67	-
SUM		36.01	288.90	36.60	17,635,630.00	202,564.00	-
GeoMean		7.20	57.74	7.31	2,938,252.98	22,554.61	-

	Daily Com	Peter Cooper PH Min. 5.0 Max. 10.5 SU	Peter Cooper Temp. Deg C	Peter Cooper D.O. Min. 2.0 Daily mg/l	Peter Cooper Daily Flow Meter Reading gpd	Peter Cooper Total Daily Flow gpd	Peter Cooper Sulfides (in house results) mg/l
1 Tue					3052584.00	4024.00	
2 Wed							
3 Thu							
4 Fri							
5 Sat							
6 Sun							
7 Mon		7.23	55.00	6.50	3083321.00	30737.00	
8 Tue							
9 Wed							
10 Thu							
11 Fri							
12 Sat							
13 Sun							
14 Mon		7.24	59.90	6.50	3105938.00	22617.00	
15 Tue							
16 Wed							
17 Thu							
18 Fri							
19 Sat							
20 Sun							
21 Mon		7.23	53.80	6.20	3137591.00	31653.00	
22 Tue							
23 Wed							
24 Thu							
25 Fri							
26 Sat							
27 Sun							
28 Mon		7.23	56.40	6.80	3233200.00	95609.00	
29 Tue							
30 Wed							
31 Thu					3286077.00	52877.00	
MIN		7.23	53.80	6.20	3,052,584.00	4,024.00	-
MAX		7.24	59.90	6.80	3,286,077.00	95,609.00	-
AVG		7.23	56.28	6.50	3,149,785.17	39,586.17	-
SUM		28.93	225.10	26.00	18,898,711.00	237,517.00	-
GeoMean		7.23	56.23	6.50	3,148,697.68	27,658.11	-

Attachment 2.0

SIU Lab Data



CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
16A0753-01 Peter Cooper Samples for Priority Pollutant Analysis							
Sample Date/Time:	2/11/16 7:15 am	Matrix:	Aqueous	Sampled By:	A. Carriero		
Biochemical Oxygen Demand (BOD5)	SM5210 B-01,-11	12.3 mg/L		2/12/16 12:22	2/17/16 9:23	NJB	
Chemical Oxygen Demand (COD)	HACH 8000	37.5 mg/L		2/17/16 15:55	2/17/16 15:56	BJJ	
Cyanide	SM4500 CN C/E-99,-11	0.013 mg/L		2/16/16 9:13	2/17/16 14:20	BJJ	
Ammonia as N	SM4500 NH3 F-97,-11	57.3 mg/L		2/15/16 11:00	2/16/16 15:35	CP3	
Total Kjeldahl Nitrogen - TKN	SM4500 NH3 F-97,-11	64.4 mg/L		2/15/16 9:00	2/16/16 15:18	CP3	
Phenols - 4AAP	EPA 420.1 (1978)	<0.005 mg/L		2/15/16 9:00	2/15/16 9:00	CMF	
Phosphorus, Total as P	SM4500 P B,E-99,-11	0.35 mg/L		2/11/16 16:30	2/12/16 9:24	CP3	
Total Suspended Solids - TSS	SM2540 D-97,-11	5.0 mg/L		2/16/16 10:15	2/17/16 8:35	CYD	
Sulfate	EPA 300.0, Rv. 2.1	130 mg/L		2/15/16 20:00	2/15/16 20:00	CP3	
Antimony	EPA 200.7, Rv. 4.4	<0.05 mg/L		2/15/16 11:30	2/16/16 11:34	MWR	
Arsenic	SM3113 B-04	0.00247 mg/L		2/12/16 16:10	2/15/16 14:08	BJJ	
Beryllium	EPA 200.7, Rv. 4.4	<0.00100 mg/L		2/15/16 11:30	2/16/16 11:34	MWR	
Cadmium	EPA 200.7, Rv. 4.4	<0.00300 mg/L		2/15/16 11:30	2/16/16 11:34	MWR	
Chromium	EPA 200.7, Rv. 4.4	0.0120 mg/L		2/15/16 11:30	2/16/16 11:34	MWR	
Copper	EPA 200.7, Rv. 4.4	0.0320 mg/L		2/15/16 11:30	2/16/16 11:34	MWR	
Lead	EPA 200.7, Rv. 4.4	<0.010 mg/L		2/15/16 11:30	2/16/16 11:34	MWR	
Mercury	SM3112 B-09,-11	<0.000200 mg/L		2/12/16 14:11	2/15/16 14:13	BJJ	
Nickel	EPA 200.7, Rv. 4.4	<0.0100 mg/L		2/15/16 11:30	2/16/16 11:34	MWR	
Selenium	SM3113B-04	<0.00200 mg/L		2/12/16 14:27	2/15/16 14:30	BJJ	
Silver	EPA 200.7, Rv. 4.4	<0.0100 mg/L		2/15/16 11:30	2/16/16 11:34	MWR	
Thallium	EPA 200.9, Rv.2.2	<0.00100 mg/L		2/17/16 12:11	2/18/16 13:42	BJJ	
Zinc	EPA 200.7, Rv. 4.4	0.0420 mg/L		2/15/16 11:30	2/16/16 11:34	MWR	

Analysis Performed By: Microbac Laboratories, Inc. - Ohio Valley

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CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
16A0753-01 Peter Cooper Samples for Priority Pollutant Analysis							...continued
Sample Date/Time: 2/11/16 7:15 am		Matrix: Aqueous		Sampled By: A. Carriero			
Analysis Performed By: Microbac Laboratories, Inc. - Ohio Valley							...continued
4,4'-DDD	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
4,4'-DDE	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
4,4'-DDT	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Aldrin	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
alpha-BHC	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
beta-BHC	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Chlordane	E608	<0.300 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
delta-BHC	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Dieldrin	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Endosulfan I	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Endosulfan II	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Endosulfan sulfate	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Endrin	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Endrin aldehyde	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
gamma-BHC (Lindane)	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Heptachlor	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Heptachlor epoxide	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Methoxychlor	E608	<0.0100 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Toxaphene	E608	<0.300 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Surrogate: 2,4,5,6-Tetrachloro-m-xylene		8.46 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
Surrogate: Decachlorobiphenyl		8.78 ug/L		2/17/16 13:35	2/17/16 19:58	ECL	
1,2,4-Trichlorobenzene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
1,2-Diphenylhydrazine (as Azobenzene)	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
2,4,6-Trichlorophenol	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	

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CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
16A0753-01 Peter Cooper Samples for Priority Pollutant Analysis							...continued
Sample Date/Time:	2/11/16 7:15 am	Matrix:	Aqueous	Sampled By:	A. Carriero		
Analysis Performed By: Microbac Laboratories, Inc. - Ohio Valley							...continued
2,4-Dichlorophenol	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
2,4-Dimethylphenol	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
2,4-Dinitrophenol	E625	<13.0 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
2,4-Dinitrotoluene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
2,6-Dinitrotoluene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
2-Chloronaphthalene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
2-Chlorophenol	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
2-Methylphenol	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
2-Nitrophenol	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
3,3'-Dichlorobenzidine	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
3-,4-Methylphenol	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
4,6-Dinitro-2-methylphenol	E625	<13.0 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
4-Bromophenyl phenyl ether	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
4-Chloro-3-methylphenol	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
4-Chlorophenyl phenyl ether	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
4-Nitrophenol	E625	<13.0 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Acenaphthene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Acenaphthylene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Anthracene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Benzidine	E625	<13.0 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Benzo(a)anthracene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Benzo(a)pyrene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Benzo(b)fluoranthene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Benzo(g,h,i)Perylene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	

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CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
16A0753-01 Peter Cooper Samples for Priority Pollutant Analysis							...continued
Sample Date/Time: 2/11/16 7:15 am		Matrix: Aqueous		Sampled By: A. Carriero			
Analysis Performed By: Microbac Laboratories, Inc. - Ohio Valley							...continued
Benzo(k)fluoranthene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Bis(2-Chloroethoxy)Methane	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Bis(2-Chloroethyl)ether	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
bis(2-Chloroisopropyl)ether	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
bis(2-Ethylhexyl)phthalate	E625	4.63 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	J
Butyl benzyl phthalate	E625	3.36 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	J
Chrysene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Dibenz(a,h)anthracene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Diethyl phthalate	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Dimethyl phthalate	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Di-N-Butylphthalate	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Di-n-octyl phthalate	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Diphenylamine	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Fluoranthene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Fluorene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Hexachlorobenzene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Hexachlorobutadiene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Hexachlorocyclopentadiene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Hexachloroethane	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Indeno(1,2,3-cd)pyrene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Isophorone	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Naphthalene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Nitrobenzene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
N-Nitrosodimethylamine	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	

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Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
16A0753-01 Peter Cooper Samples for Priority Pollutant Analysis							...continued
Sample Date/Time: 2/11/16 7:15 am		Matrix: Aqueous		Sampled By: A. Carriero			
Analysis Performed By: Microbac Laboratories, Inc. - Ohio Valley							...continued
Diphenylamine/n-Nitrosodiphenylamine	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
N-Nitrosodipropylamine	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Pentachlorophenol	E625	<13.0 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Phenanthrene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Phenol	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Pyrene	E625	<2.60 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Surrogate: 2,4,6-Tribromophenol		77100 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Surrogate: 2-Fluorobiphenyl		27500 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Surrogate: 2-Fluorophenol		37000 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Surrogate: Nitrobenzene-d5		29000 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Surrogate: p-Terphenyl-d14		34500 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
Surrogate: Phenol-d5		22700 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	
UNKNOWN	E625	7.25 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	TIC
n-Hexadecanoic acid	E625	5.06 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	TIC
UNKNOWN2	E625	5.67 ug/L		2/15/16 11:30	2/17/16 15:07	SCB	TIC

Analysis Performed By: Microbac Laboratories, Inc., Sayre Division

Sulfide as S	SM4500-S2 F-2000	<1.00 mg/L	2/16/16 8:15	2/16/16 17:50	ICC
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16A0753-02 Peter Cooper Samples

Sample Date/Time: 2/11/16 7:15 am Matrix: Aqueous Sampled By: A. Carriero

Analysis Performed By: Microbac Laboratories, Inc. - Ohio Valley

1,1,1,2-Tetrachloroethane	E624	<0.250 ug/L	2/16/16 3:17	TMB
---------------------------	------	-------------	--------------	-----

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CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
16A0753-02 Peter Cooper Samples							...continued
Sample Date/Time: 2/11/16 7:15 am		Matrix: Aqueous		Sampled By: A. Carriero			
Analysis Performed By: Microbac Laboratories, Inc. - Ohio Valley							...continued
1,1,1-Trichloroethane	E624	<0.250 ug/L			2/16/16 3:17	TMB	
1,1,2,2-Tetrachloroethane	E624	<0.200 ug/L			2/16/16 3:17	TMB	
1,1,2-Trichloroethane	E624	<0.250 ug/L			2/16/16 3:17	TMB	
1,1-Dichloroethane	E624	<0.125 ug/L			2/16/16 3:17	TMB	
1,1-Dichloroethene	E624	<0.500 ug/L			2/16/16 3:17	TMB	
1,1-Dichloropropene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
1,2,3-Trichlorobenzene	E624	<0.150 ug/L			2/16/16 3:17	TMB	
1,2,3-Trichloropropane	E624	<0.500 ug/L			2/16/16 3:17	TMB	
1,2,4-Trichlorobenzene	E624	<0.200 ug/L			2/16/16 3:17	TMB	
1,2,4-Trimethylbenzene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
1,2-Dibromo-3-chloropropane	E624	<1.00 ug/L			2/16/16 3:17	TMB	
1,2-Dibromoethane	E624	<0.250 ug/L			2/16/16 3:17	TMB	
1,2-Dichlorobenzene	E624	<0.125 ug/L			2/16/16 3:17	TMB	
1,2-Dichloroethane	E624	<0.250 ug/L			2/16/16 3:17	TMB	
1,2-Dichloropropane	E624	<0.200 ug/L			2/16/16 3:17	TMB	
1,3,5-Trimethylbenzene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
1,3-Dichlorobenzene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
1,3-Dichloropropane	E624	<0.200 ug/L			2/16/16 3:17	TMB	
1,4-Dichlorobenzene	E624	<0.125 ug/L			2/16/16 3:17	TMB	
2,2-Dichloropropane	E624	<0.250 ug/L			2/16/16 3:17	TMB	
2-Butanone	E624	<2.50 ug/L			2/16/16 3:17	TMB	
2-Chloroethyl vinyl ether	E624	<2.00 ug/L			2/16/16 3:17	TMB	
1,4-Dioxane	E624	<50.0 ug/L			2/16/16 3:17	TMB	
1-Bromopropane	E624	<0.500 ug/L			2/16/16 3:17	TMB	

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CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
16A0753-02 Peter Cooper Samples							...continued
Sample Date/Time: 2/11/16 7:15 am		Matrix: Aqueous		Sampled By: A. Carriero			
Analysis Performed By: Microbac Laboratories, Inc. - Ohio Valley							...continued
2-Chlorotoluene	E624	<0.125 ug/L			2/16/16 3:17	TMB	
2-Hexanone	E624	<2.50 ug/L			2/16/16 3:17	TMB	
4-Chlorotoluene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
4-Methyl-2-pentanone	E624	<2.50 ug/L			2/16/16 3:17	TMB	
Acetone	E624	<2.50 ug/L			2/16/16 3:17	TMB	
Acrolein	E624	<20.0 ug/L			2/16/16 3:17	TMB	
Acrylonitrile	E624	<2.50 ug/L			2/16/16 3:17	TMB	
Benzene	E624	<0.125 ug/L			2/16/16 3:17	TMB	
Bromobenzene	E624	<0.125 ug/L			2/16/16 3:17	TMB	
Bromochloromethane	E624	<0.200 ug/L			2/16/16 3:17	TMB	
Bromodichloromethane	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Bromoform	E624	<0.500 ug/L			2/16/16 3:17	TMB	
Bromomethane	E624	<0.500 ug/L			2/16/16 3:17	TMB	
Carbon tetrachloride	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Chlorobenzene	E624	<0.125 ug/L			2/16/16 3:17	TMB	
Chlorodibromomethane	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Chloroethane	E624	<0.500 ug/L			2/16/16 3:17	TMB	
Chloroform	E624	<0.125 ug/L			2/16/16 3:17	TMB	
Chloromethane	E624	<0.500 ug/L			2/16/16 3:17	TMB	
cis-1,2-Dichloroethene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
cis-1,3-Dichloropropene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Dibromomethane	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Dichlorodifluoromethane	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Ethylbenzene	E624	<0.250 ug/L			2/16/16 3:17	TMB	

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CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
							...continued
16A0753-02 Peter Cooper Samples							
Sample Date/Time: 2/11/16 7:15 am		Matrix: Aqueous		Sampled By: A. Carriero			
Analysis Performed By: Microbac Laboratories, Inc. - Ohio Valley							...continued
Hexachlorobutadiene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Isopropylbenzene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
m-,p-Xylene	E624	<0.500 ug/L			2/16/16 3:17	TMB	
Methyl t-butyl ether (MTBE)	E624	<0.500 ug/L			2/16/16 3:17	TMB	
Methylene chloride	E624	<0.250 ug/L			2/16/16 3:17	TMB	
n-Butylbenzene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
n-Propylbenzene	E624	<0.125 ug/L			2/16/16 3:17	TMB	
Naphthalene	E624	<0.200 ug/L			2/16/16 3:17	TMB	
o-Xylene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
p-Isopropyltoluene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
sec-Butylbenzene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Styrene	E624	<0.125 ug/L			2/16/16 3:17	TMB	
tert-Butylbenzene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Tetrachloroethene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Toluene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
trans-1,2-Dichloroethene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
trans-1,3-Dichloropropene	E624	<0.500 ug/L			2/16/16 3:17	TMB	
trans-1,4-Dichloro-2-Butene	E624	<2.50 ug/L			2/16/16 3:17	TMB	
Trichloroethene	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Trichlorofluoromethane	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Vinyl chloride	E624	<0.250 ug/L			2/16/16 3:17	TMB	
Surrogate: 1,2-Dichloroethane-d4		24.8 ug/L			2/16/16 3:17	TMB	
Surrogate: 4-Bromofluorobenzene		25.5 ug/L			2/16/16 3:17	TMB	
Surrogate: Toluene-d8		23.9 ug/L			2/16/16 3:17	TMB	

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CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
16A0753-02 Peter Cooper Samples							...continued
Sample Date/Time:	2/11/16 7:15 am	Matrix:	Aqueous	Sampled By:	A. Carriero		

All samples received in proper condition and results conform to ISO 17025 unless otherwise noted

Some or all of the samples were collected by the customer. The verifiability of the final results are therefore limited by the customer's reported values. Microbac Laboratories, Inc. assumes that all sampling instructions are followed, and the data upon which these final results are based, have been accurately supplied by the client.

Notes and Definitions

U	Not detected at or above adjusted sample detection limit
TIC	Library Search Compound
J	The analyte was positively identified, but the quantitation was below the RL
*	[Undefined]

mg/kg	= Milligram per Kilogram (ppm)	Negative/Absent	= Bacteria or target analyte not detected
ug/L	= Micrograms per Liter (ppb)	CFU	= Colony Forming Unit
ug/kg	= Micrograms per Kilogram (ppb)	ND	= Not detected at or below the reporting limit
mg/L	= Milligrams per Liter (ppm)	TIC	= Tentatively Identified Compound
1000 ug	= 1 mg	"<"	= Less than (also see "ND")
Positive/Present	= Bacteria or target analyte detected	">"	= Greater than
HSCC	= High Sensitivity Coliform Count	MPN	= Most Probable Number

An E associated with Microbiology values designates that the result obtained was outside of the method specified counting range. Estimated counts are valid, but must be notated as such per regulation.

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CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
Project Requested Certification(s):							

Certificate ID	Agency
10121	New York State Department of Health
PA-Sayre DEP ID: 08-00380	Pennsylvania Department of Environmental Protection

Sub-Contract Laboratories:

Microbac Ohio Valley PADEP ID # 68-01670

Reviewed and Approved By:

Date Reviewed and Approved:

02/23/2016

Andrea Brownfield
Project Manager, Microbac Laboratories, Inc. - Erie
Report released by Andrea Brownfield

Any questions regarding this report, please contact your account manager, .

As Regulatory limits frequently change, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits with the appropriate Federal, state or local authorities before acting on the data provided. For feedback concerning our services, please contact the Managing Director, or J. Trevor Boyce, President, at president@microbac.com.

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CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
Inorganics - Quality Control							
Microbac Laboratories, Inc. - Erie							
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit
Batch 1601259 - SM4500-P B							
Blank (1601259-BLK1)				Prepared: 02/11/2011 Analyzed: 02/12/2016			
Phosphorus, Total as P	ND	0.02	mg/L				
LCS (1601259-BS1)				Prepared: 02/11/2011 Analyzed: 02/12/2016			
Phosphorus, Total as P	0.98	0.02	mg/L	1.0000	98	90-110	
Reference (1601259-SRM1)				Prepared: 02/11/2011 Analyzed: 02/12/2016			
Phosphorus, Total as P	0.95	0.02	mg/L	1.0000	95	90-110	
Batch 1601348 - EPA 420.1							
Blank (1601348-BLK1)				Prepared & Analyzed: 02/15/2016			
Phenols - 4AAP	ND	0.005	mg/L				
LCS (1601348-BS1)				Prepared & Analyzed: 02/15/2016			
Phenols - 4AAP	0.050	0.005	mg/L	0.050450	99	90-110	
Batch 1601356 - SM2540 D							
Blank (1601356-BLK1)				Prepared: 02/16/2011 Analyzed: 02/17/2016			
Total Suspended Solids - TSS	ND	5.0	mg/L				
Reference (1601356-SRM1)				Prepared: 02/16/2011 Analyzed: 02/17/2016			
Total Suspended Solids - TSS	27.5		mg/L	30.000	92	70-130	
Reference (1601356-SRM2)				Prepared: 02/16/2011 Analyzed: 02/17/2016			
Total Suspended Solids - TSS	254		mg/L	300.00	85	70-130	

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Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
Inorganics - Quality Control								
Microbac Laboratories, Inc. - Erie								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1601366 - EPA 300.0								
Blank (1601366-BLK1)				Prepared & Analyzed: 02/15/2016				
Sulfate	ND	1.00	mg/L					
LCS (1601366-BS1)				Prepared & Analyzed: 02/15/2016				
Sulfate	9.01		mg/L	20.000	45	90-110		
Reference (1601366-SRM1)				Prepared & Analyzed: 02/15/2016				
Sulfate	19.0		mg/L	20.000	95	90-110		
Batch 1601413 - SM5210 B								
Blank (1601413-BLK1)				Prepared: 02/12/201 Analyzed: 02/17/2016				
Biochemical Oxygen Demand (BOD5)	ND	4.00	mg/L					
Reference (1601413-SRM1)				Prepared: 02/12/201 Analyzed: 02/17/2016				
Biochemical Oxygen Demand (BOD5)	173		mg/L	198.00	87	84.5-115.4		
Batch 1601419 - SM4500-CN C								
Blank (1601419-BLK1)				Prepared: 02/16/201 Analyzed: 02/17/2016				
Cyanide	ND	0.006	mg/L					
LCS (1601419-BS1)				Prepared: 02/16/201 Analyzed: 02/17/2016				
Cyanide	0.204	0.006	mg/L	0.20000	102	90-110		
Matrix Spike (1601419-MS1)				Source: 16A0753-01 Prepared: 02/16/201 Analyzed: 02/17/2016				
Cyanide	0.210	0.006	mg/L	0.19800	0.013	99	90-110	

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Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
Inorganics - Quality Control								
Microbac Laboratories, Inc. - Erie								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1601419 - SM4500-CN C								
Matrix Spike Dup (1601419-MSD1)		Source: 16A0753-01		Prepared: 02/16/201 Analyzed: 02/17/2016				
Cyanide	0.205	0.006	mg/L	0.19800	0.013	97 90-110	2 20	
Reference (1601419-SRM1)		Prepared: 02/16/201 Analyzed: 02/17/2016						
Cyanide	0.181	0.006	mg/L	0.19200		94 90-110		
Batch 1601428 - SM4500-NH3 B								
Blank (1601428-BLK1)		Prepared: 02/15/201 Analyzed: 02/16/2016						
Ammonia as N	ND	0.30	mg/L					
LCS (1601428-BS1)		Prepared: 02/15/201 Analyzed: 02/16/2016						
Ammonia as N	2.01	0.30	mg/L	2.0000		100 90-110		
Reference (1601428-SRM1)		Prepared & Analyzed: 02/16/2016						
Ammonia as N	1.95		mg/L	2.0000		98 90-110		
Batch 1601430 - Default Inorganics Prep								
Blank (1601430-BLK1)		Prepared: 02/15/201 Analyzed: 02/16/2016						
Total Kjeldahl Nitrogen - TKN	ND	1.25	mg/L					
LCS (1601430-BS1)		Prepared: 02/15/201 Analyzed: 02/16/2016						
Total Kjeldahl Nitrogen - TKN	5.98		mg/L	6.2500		96 90-110		
Batch 1601442 - HACH 8000								
Blank (1601442-BLK1)		Prepared & Analyzed: 02/17/2016						

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Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
------	--------	--------	-------	----------	----------	------	-------

Inorganics - Quality Control

Microbac Laboratories, Inc. - Erie

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 1601442 - HACH 8000

Blank (1601442-BLK1)

Prepared & Analyzed: 02/17/2016

Chemical Oxygen Demand (COD)	ND	5.00	mg/L
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LCS (1601442-BS1)

Prepared & Analyzed: 02/17/2016

Chemical Oxygen Demand (COD)	85.4	5.00	mg/L	80.000	107	90-110
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LCS Dup (1601442-BSD1)

Prepared & Analyzed: 02/17/2016

Chemical Oxygen Demand (COD)	79.9	5.00	mg/L	80.000	100	90-110	7	20
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Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
Metals, Total - Quality Control							
Microbac Laboratories, Inc. - Erie							
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit
Batch 1601283 - SM3113 B							
Blank (1601283-BLK1)				Prepared: 02/12/201 Analyzed: 02/15/2016			
Arsenic	ND	0.00200	mg/L				
LCS (1601283-BS1)				Prepared: 02/12/201 Analyzed: 02/15/2016			
Arsenic	0.00452	0.00200	mg/L	0.0050000	90	85-115	
Matrix Spike (1601283-MS1)				Source: 16A0753-01 Prepared: 02/12/201 Analyzed: 02/15/2016			
Arsenic	0.0135	0.00200	mg/L	0.010000	0.00247	111	85-115
Reference (1601283-SRM1)				Prepared: 02/12/201 Analyzed: 02/15/2016			
Arsenic	0.0256		mg/L	0.025000	102	90-110	
Batch 1601313 - SM3112 B							
Blank (1601313-BLK1)				Prepared: 02/12/201 Analyzed: 02/15/2016			
Mercury	ND	0.000200	mg/L				
LCS (1601313-BS1)				Prepared: 02/12/201 Analyzed: 02/15/2016			
Mercury	0.00499	0.000200	mg/L	0.0050000	100	85-115	
Matrix Spike (1601313-MS1)				Source: 16A0753-01 Prepared: 02/12/201 Analyzed: 02/15/2016			
Mercury	0.00500	0.000200	mg/L	0.0050000	ND	100	85-115
Batch 1601320 - SM3113 B							
Blank (1601320-BLK1)				Prepared: 02/12/201 Analyzed: 02/15/2016			
Selenium	ND	0.00200	mg/L				

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Microbac Laboratories, Inc.

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Metals, Total - Quality Control								
Microbac Laboratories, Inc. - Erie								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1601320 - SM3113 B								
LCS (1601320-BS1)				Prepared: 02/12/201 Analyzed: 02/15/2016				
Selenium	0.00526	0.00200	mg/L	0.0050000		105	85-115	
Matrix Spike (1601320-MS1)				Source: 16A0753-01 Prepared: 02/12/201 Analyzed: 02/15/2016				
Selenium	0.0103	0.00200	mg/L	0.010000	ND	103	85-115	
Reference (1601320-SRM1)				Prepared: 02/12/201 Analyzed: 02/15/2016				
Selenium	0.0257		mg/L	0.025000		103	90-110	
Batch 1601484 - EPA 200.9								
Blank (1601484-BLK1)				Prepared: 02/17/201 Analyzed: 02/18/2016				
Thallium	ND	0.00100	mg/L					
LCS (1601484-BS1)				Prepared: 02/17/201 Analyzed: 02/18/2016				
Thallium	0.00172	0.00100	mg/L	0.0020000		86	85-115	
Reference (1601484-SRM1)				Prepared: 02/17/201 Analyzed: 02/18/2016				
Thallium	0.00955		mg/L	0.010000		96	90-110	
Batch 1601589 - EPA 200.7								
Blank (1601589-BLK1)				Prepared: 02/15/201 Analyzed: 02/16/2016				
Beryllium	ND	0.00100	mg/L					
Lead	ND	0.010	mg/L					
Chromium	ND	0.0100	mg/L					
Silver	ND	0.0100	mg/L					
Antimony	ND	0.05	mg/L					

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TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
Metals, Total - Quality Control							
Microbac Laboratories, Inc. - Erie							
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD Limit Notes
Batch 1601589 - EPA 200.7							
Blank (1601589-BLK1)				Prepared: 02/15/2011 Analyzed: 02/16/2016			
Copper	ND	0.0100	mg/L				
Zinc	ND	0.0100	mg/L				
Nickel	ND	0.0100	mg/L				
Cadmium	ND	0.00300	mg/L				
LCS (1601589-BS1)				Prepared: 02/15/2011 Analyzed: 02/16/2016			
Chromium	0.0910		mg/L	0.10000		91 85-115	
Beryllium	0.00390		mg/L	0.0040000		97 85-115	
Lead	0.393		mg/L	0.40000		98 85-115	
Silver	0.0790		mg/L	0.080000		99 85-115	
Nickel	0.379		mg/L	0.40000		95 85-115	
Zinc	0.385		mg/L	0.40000		96 85-115	
Copper	0.196		mg/L	0.20000		98 85-115	
Cadmium	0.00510		mg/L	0.0050000		102 85-115	
LCS (1601589-BS2)				Prepared: 02/15/2011 Analyzed: 02/16/2016			
Antimony	0.79		mg/L	0.80000		98 85-115	
Duplicate (1601589-DUP1)				Source: 16A0753-01	Prepared: 02/15/2011 Analyzed: 02/16/2016		
Copper	0.0320	0.0100	mg/L		0.0320		0 20
Antimony	ND	0.05	mg/L		ND		20
Silver	ND	0.0100	mg/L		ND		20
Nickel	ND	0.0100	mg/L		ND		20
Zinc	0.0420	0.0100	mg/L		0.0420		0 20
Lead	ND	0.010	mg/L		ND		20

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Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
Metals, Total - Quality Control								
Microbac Laboratories, Inc. - Erie								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1601589 - EPA 200.7								
Duplicate (1601589-DUP1)		Source: 16A0753-01		Prepared: 02/15/2016 Analyzed: 02/16/2016				
Chromium	0.0130	0.0100	mg/L		0.0120		8	20
Beryllium	ND	0.00100	mg/L		ND			20
Cadmium	ND	0.00300	mg/L		ND			20
Reference (1601589-SRM1)		Prepared: 02/15/2016 Analyzed: 02/16/2016						
Lead	0.507		mg/L	0.50000		101	90-110	
Silver	0.250		mg/L	0.25000		100	90-110	
Nickel	0.509		mg/L	0.50000		102	90-110	
Copper	0.507		mg/L	0.50000		101	90-110	
Chromium	0.488		mg/L	0.50000		98	90-110	
Antimony	2.54		mg/L	2.5000		102	90-110	
Zinc	0.498		mg/L	0.50000		100	90-110	
Cadmium	0.0480		mg/L	0.050000		96	90-110	

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TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
Inorganics - Quality Control								
Microbac Laboratories, Inc., Sayre Division								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch SB60484 - Wet Chem - W								
Blank (SB60484-BLK1)				Prepared & Analyzed: 02/16/2016				
Sulfide as S	ND	1.00	mg/L					
Matrix Spike (SB60484-MS1)				Source: S6B0542-01 Prepared & Analyzed: 02/16/2016				
Sulfide as S	8.00	1.00	mg/L	10.0000	ND	80.0	80-120	
Reference (SB60484-SRM1)				Prepared & Analyzed: 02/16/2016				
Sulfide as S	3.20	1.00	mg/L	3.39000		94.4	50.4-133	

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- Quality Control							
Microbac Laboratories, Inc. - Ohio Valley							
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD RPD Limit Notes
Batch WG557465 - SW5030C							
BLK (WG557465-04)				Prepared: Analyzed: 02/16/2016			
1,1,1,2-Tetrachloroethane	ND	1.00	ug/L			-	U
1,1,1-Trichloroethane	ND	1.00	ug/L			-	U
1,1,2,2-Tetrachloroethane	ND	1.00	ug/L			-	U
1,1,2-Trichloroethane	ND	1.00	ug/L			-	U
1,1-Dichloroethane	ND	1.00	ug/L			-	U
1,1-Dichloroethene	ND	1.00	ug/L			-	U
1,1-Dichloropropene	ND	1.00	ug/L			-	U
1,2,3-Trichlorobenzene	ND	1.00	ug/L			-	U
1,2,3-Trichloropropane	ND	1.00	ug/L			-	U
1,2,4-Trichlorobenzene	ND	1.00	ug/L			-	U
1,2,4-Trimethylbenzene	ND	1.00	ug/L			-	U
1,2-Dibromo-3-chloropropane	ND	2.00	ug/L			-	U
1,2-Dibromoethane	ND	1.00	ug/L			-	U
1,2-Dichlorobenzene	ND	1.00	ug/L			-	U
1,2-Dichloroethane	ND	1.00	ug/L			-	U
1,2-Dichloropropane	ND	1.00	ug/L			-	U
1,3,5-Trimethylbenzene	ND	1.00	ug/L			-	U
1,3-Dichlorobenzene	ND	1.00	ug/L			-	U
1,3-Dichloropropane	ND	1.00	ug/L			-	U
1,4-Dichlorobenzene	ND	1.00	ug/L			-	U
2,2-Dichloropropane	ND	1.00	ug/L			-	U
2-Butanone	ND	5.00	ug/L			-	U
2-Chloroethyl vinyl ether	ND	5.00	ug/L			-	U
1,4-Dioxane	ND	100	ug/L			-	U

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Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
- Quality Control							
Microbac Laboratories, Inc. - Ohio Valley							
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD RPD Limit Notes
Batch WG557465 - SW5030C							
BLK (WG557465-04)		Prepared: Analyzed: 02/16/2016					
1-Bromopropane	ND	1.00	ug/L			-	U
2-Chlorotoluene	ND	1.00	ug/L			-	U
2-Hexanone	ND	5.00	ug/L			-	U
4-Chlorotoluene	ND	1.00	ug/L			-	U
4-Methyl-2-pentanone	ND	5.00	ug/L			-	U
Acetone	ND	5.00	ug/L			-	U
Acrolein	ND	100	ug/L			-	U
Acrylonitrile	ND	5.00	ug/L			-	U
Benzene	ND	1.00	ug/L			-	U
Bromobenzene	ND	1.00	ug/L			-	U
Bromochloromethane	ND	1.00	ug/L			-	U
Bromodichloromethane	ND	1.00	ug/L			-	U
Bromoform	ND	1.00	ug/L			-	U
Bromomethane	ND	1.00	ug/L			-	U
Carbon tetrachloride	ND	1.00	ug/L			-	U
Chlorobenzene	ND	1.00	ug/L			-	U
Chlorodibromomethane	ND	1.00	ug/L			-	U
Chloroethane	ND	1.00	ug/L			-	U
Chloroform	ND	1.00	ug/L			-	U
Chloromethane	ND	1.00	ug/L			-	U
cis-1,2-Dichloroethene	ND	1.00	ug/L			-	U
cis-1,3-Dichloropropene	ND	1.00	ug/L			-	U
Dibromomethane	ND	1.00	ug/L			-	U
Dichlorodifluoromethane	ND	1.00	ug/L			-	U

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- Quality Control							
Microbac Laboratories, Inc. - Ohio Valley							
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD RPD Limit Notes
Batch WG557465 - SW5030C							
BLK (WG557465-04)		Prepared: Analyzed: 02/16/2016					
Ethylbenzene	ND	1.00	ug/L			-	U
Hexachlorobutadiene	ND	1.00	ug/L			-	U
Isopropylbenzene	ND	1.00	ug/L			-	U
m-,p-Xylene	ND	1.00	ug/L			-	U
Methyl t-butyl ether (MTBE)	ND	1.00	ug/L			-	U
Methylene chloride	ND	1.00	ug/L			-	U
n-Butylbenzene	ND	1.00	ug/L			-	U
n-Propylbenzene	ND	1.00	ug/L			-	U
Naphthalene	ND	1.00	ug/L			-	U
o-Xylene	ND	1.00	ug/L			-	U
p-Isopropyltoluene	ND	1.00	ug/L			-	U
sec-Butylbenzene	ND	1.00	ug/L			-	U
Styrene	ND	1.00	ug/L			-	U
tert-Butylbenzene	ND	1.00	ug/L			-	U
Tetrachloroethene	ND	1.00	ug/L			-	U
Toluene	ND	1.00	ug/L			-	U
trans-1,2-Dichloroethene	ND	1.00	ug/L			-	U
trans-1,3-Dichloropropene	ND	1.00	ug/L			-	U
trans-1,4-Dichloro-2-Butene	ND	5.00	ug/L			-	U
Trichloroethene	ND	1.00	ug/L			-	U
Trichlorofluoromethane	ND	1.00	ug/L			-	U
Vinyl chloride	ND	1.00	ug/L			-	U
Surrogate: 1,2-Dichloroethane-d4	24.4		ug/L	25.0		97.4 63-140	
Surrogate: 4-Bromofluorobenzene	26.5		ug/L	25.0		106 54-123	

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TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
- Quality Control								
Microbac Laboratories, Inc. - Ohio Valley								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch WG557465 - SW5030C								
BLK (WG557465-04)				Prepared: Analyzed: 02/16/2016				
Surrogate: Toluene-d8	23.7		ug/L	25.0	94.8	53-142		

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TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES		
608 - Quality Control									
Microbac Laboratories, Inc. - Ohio Valley									
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch WG557821 - SW3510C									
BLK (WG557504-01)		Prepared & Analyzed: 02/17/2016							
4,4'-DDD	ND	0.0500	ug/L			-			U
4,4'-DDE	ND	0.0500	ug/L			-			U
4,4'-DDT	ND	0.0500	ug/L			-			U
Aldrin	ND	0.0500	ug/L			-			U
alpha-BHC	ND	0.0500	ug/L			-			U
beta-BHC	ND	0.0500	ug/L			-			U
Chlordane	ND	1.00	ug/L			-			U
delta-BHC	ND	0.0500	ug/L			-			U
Dieldrin	ND	0.0500	ug/L			-			U
Endosulfan I	ND	0.0500	ug/L			-			U
Endosulfan II	ND	0.0500	ug/L			-			U
Endosulfan sulfate	ND	0.0500	ug/L			-			U
Endrin	ND	0.0500	ug/L			-			U
Endrin aldehyde	ND	0.0500	ug/L			-			U
gamma-BHC (Lindane)	ND	0.0500	ug/L			-			U
Heptachlor	ND	0.0500	ug/L			-			U
Heptachlor epoxide	ND	0.0500	ug/L			-			U
Methoxychlor	ND	0.0500	ug/L			-			U
Toxaphene	ND	1.00	ug/L			-			U
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	14.6		ug/L	20.0		73.1	20-180		
Surrogate: Decachlorobiphenyl	12.8		ug/L	20.0		64.2	25-140		
BS (WG557504-02)		Prepared & Analyzed: 02/17/2016							
4,4'-DDD	0.323	0.0500	ug/L	0.500		64.6	31-121	0.995	30

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TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
608 - Quality Control								
Microbac Laboratories, Inc. - Ohio Valley								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch WG557821 - SW3510C								
BS (WG557504-02)				Prepared & Analyzed: 02/17/2016				
4,4'-DDE	0.385	0.0500	ug/L	0.500		76.9 35-117	12.5 30	
4,4'-DDT	0.386	0.0500	ug/L	0.500		77.2 41-142	3.45 30	
Aldrin	0.237	0.0500	ug/L	0.500		47.4 42-122	30.9 30	
alpha-BHC	0.277	0.0500	ug/L	0.500		55.3 37-134	45.7 30	
beta-BHC	0.377	0.0500	ug/L	0.500		75.3 40-123	22.0 30	
delta-BHC	0.374	0.0500	ug/L	0.500		74.9 25-120	22.4 30	
Dieldrin	0.256	0.0500	ug/L	0.500		51.2 36-119	9.10 30	
Endosulfan I	0.285	0.0500	ug/L	0.500		57.0 45-106	16.4 30	
Endosulfan II	0.337	0.0500	ug/L	0.500		67.4 30-105	10.0 30	
Endosulfan sulfate	0.498	0.0500	ug/L	0.500		99.6 26-103	10.9 30	
Endrin	0.288	0.0500	ug/L	0.500		57.5 30-134	7.01 30	
Endrin aldehyde	0.315	0.0500	ug/L	0.500		62.9 10-117	3.22 30	
gamma-BHC (Lindane)	0.308	0.0500	ug/L	0.500		61.6 32-114	39.1 30	
Heptachlor	0.262	0.0500	ug/L	0.500		52.4 34-111	35.3 30	
Heptachlor epoxide	0.335	0.0500	ug/L	0.500		66.9 37-119	21.8 30	
Methoxychlor	0.417	0.0500	ug/L	0.500		83.4 30-169	4.29 30	
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	9.36		ug/L	20.0		46.8 20-180		
Surrogate: Decachlorobiphenyl	11.3		ug/L	20.0		56.7 25-140		
BSD (WG557504-03)				Prepared & Analyzed: 02/17/2016				
4,4'-DDD	0.320	0.0500	ug/L	0.500		64.0 31-121	0.995 30	
4,4'-DDE	0.339	0.0500	ug/L	0.500		67.9 35-117	12.5 30	
4,4'-DDT	0.373	0.0500	ug/L	0.500		74.5 41-142	3.45 30	
Aldrin	0.174	0.0500	ug/L	0.500		34.8 42-122	30.9 30	

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Microbac Laboratories, Inc.

1962 Wager Road Erie, PA 16509 | 814.825.8533 p | 814.825.9254 f | www.microbac.com



CERTIFICATE OF ANALYSIS

Work Order Number:

16A0753

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 02/23/2016
Date Received 02/11/2016
Account Number 000000007266



Subject: Peter Cooper for Priority Pollutant

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
608 - Quality Control								
Microbac Laboratories, Inc. - Ohio Valley								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch WG557821 - SW3510C								
BSD (WG557504-03)		Prepared & Analyzed: 02/17/2016						
alpha-BHC	0.174	0.0500	ug/L	0.500		34.7 37-134	45.7 30	
beta-BHC	0.302	0.0500	ug/L	0.500		60.4 40-123	22.0 30	
delta-BHC	0.299	0.0500	ug/L	0.500		59.8 25-120	22.4 30	
Dieldrin	0.280	0.0500	ug/L	0.500		56.0 36-119	9.10 30	
Endosulfan I	0.242	0.0500	ug/L	0.500		48.4 45-106	16.4 30	
Endosulfan II	0.305	0.0500	ug/L	0.500		61.0 30-105	10.0 30	
Endosulfan sulfate	0.446	0.0500	ug/L	0.500		89.3 26-103	10.9 30	
Endrin	0.309	0.0500	ug/L	0.500		61.7 30-134	7.01 30	
Endrin aldehyde	0.325	0.0500	ug/L	0.500		65.0 10-117	3.22 30	
gamma-BHC (Lindane)	0.207	0.0500	ug/L	0.500		41.4 32-114	39.1 30	
Heptachlor	0.183	0.0500	ug/L	0.500		36.7 34-111	35.3 30	
Heptachlor epoxide	0.269	0.0500	ug/L	0.500		53.8 37-119	21.8 30	
Methoxychlor	0.400	0.0500	ug/L	0.500		79.9 30-169	4.29 30	
Surrogate: 2,4,5,6-Tetrachloro-m-xylene	6.84		ug/L	20.0		34.2 20-180		
Surrogate: Decachlorobiphenyl	11.8		ug/L	20.0		59.2 25-140		

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CHAIN OF CUSTODY

Microbac Laboratories, Inc. - Erie
1962 Wager Road
Erie, PA 16509

MICROBAC

Phone: (814) 825-8533
Fax: (814) 825-9254

Client Name	Project Name	Requested Analyses		Requested Turn Around	
Gowanda, Village of WWTP	Priority Pollutant - Peter Cooper	Acid Extractables by EPA 625::Base Neutral	Ag::As::Be::Cd::Cr::Cu::Hg::Ni::Pb::Sb::Se::Tl::Zn	BOD::S04::TSS	Phenolics, Total by EPA 420.1
Client Contact	Project Number	Extractables by EPA 625::Pesticides/PCBs by EPA	608::Five Peaks On BNA Scan	Sulfide by SM4500-S2 F	TKN
Andrew Carrierio	Peter Cooper for Priority Pollutant	Total Phos::COD::Dist. NH3		Total CN	
Address	Project Description	Volatile Organics by EPA 624::Five Peaks On VOC		Scan	
27 East Main Street					
City	PO Number			Rush requests subject to additional charge.	
Gowanda				Rush requests subject to lab approval.	
State/Zip	Shipped By			Standard (days)	
NY, 14070				Expedited (days)	
Phone/Fax	Tracking Number			Due Date	
(716) 532-5931 / (716) 532-5108	Sampler Signature				
Sampler					

Sample Name or Field ID	Sampled Date	Sampled Time	Sample Type Code	Metric Code	Container Count	21-7-05 Q4	155:none	108-fm O3	10:none	161:S	136::11	21:-2	23-mo H
Peter Cooper Samples for Priority Pollutant Analysis	2/11/0	0715	C	Aq	12/11	3	3 d	1	0	0	0	1 x 0	1
Peter Cooper Samples	2/11/0	0715	SA	Aq	3	0	0	0	x0	x0	x0	0	0
			SAWEE				0x 2/11/0					0x 2/11/0	

Relinquished By	Date/Time	Received By	Date/Time	Comments
<i>Heidi Sath</i>	2-11-16 / 0900	<i>Heidi Sath</i>	2-11-16 0900	
<i>Heidi Sath</i>	2-11-16 / 1400	<i>Heidi Sath</i>	2-11-16 1400	
Relinquished By	Date/Time	Received By	Date/Time	
Cooler Numbers and Temperatures				
Default Cooler			Samples Received on Ice? ☒ yes ☐ no	Temperature <u>32</u> °C

Matrix Codes: _____
 Aq=Aqueous
 Preserv. Codes: 11=Zinc Acetate pH=____ 12=Sodium Thiosulfate 2-H₂SO₄ (250ml Bottle) pH=____ J2504=H₂SO₄ (125 ml B
 Cont. Codes 10=1 L Plastic Unpreserved, 106=Metals, 116=No Container Needed, 136=Sulfide, 149=Vials-500 / 624 / 504 / 505, 150=

Laboratory Report Number: L16020720

Carolyn Vollentine
Microbac Laboratories
1962 Wager Road
Erie, PA 16509

Please find enclosed the analytical results for the samples you submitted to Microbac Laboratories. Review and compilation of your report was completed by Microbac's Ohio Valley Division (OVD). If you have any questions, comments, or require further assistance regarding this report, please contact your service representative listed below.

Laboratory Contact:
Emily Yoak – Client Services Specialist
(740) 373-4071
emily.yoak@microbac.com

I certify that all test results meet all of the requirements of the accrediting authority listed below. All results for soil samples are reported on a 'dry-weight' basis unless specified otherwise. Analytical results for water and wastes are reported on a 'as received' basis unless specified otherwise. A statement of uncertainty for each analysis is available upon request. This laboratory report shall not be reproduced, except in full, without the written approval of Microbac Laboratories. The reported results are related only to the samples analyzed as received.

This report was certified on February 19 2016



David Vandenberg – Managing Director

State of Origin: PA
Accrediting Authority: Department of Environmental Protection ID:68-01670
QAPP: Microbac OVD



Record of Sample Receipt and Inspection

Comments/Discrepancies

This is the record of the shipment conditions and the inspection records for the samples received and reported as a sample delivery group (SDG). All of the samples were inspected and observed to conform to our receipt policies, except as noted below.

There were no discrepancies.

Discrepancy**Resolution****Coolers**

Cooler #	Temperature Gun	Temperature	COC #	Airbill #	Temp Required?
00113561	I	0.0		1001910551660004575000662130660609	X

Inspection Checklist

#	Question	Result
1	Were shipping coolers sealed?	Yes
2	Were custody seals intact?	NA
3	Were cooler temperatures in range of 0-6?	Yes
4	Was ice present?	Yes
5	Were COC's received/information complete/signed and dated?	Yes
6	Were sample containers intact and match COC?	Yes
7	Were sample labels intact and match COC?	Yes
8	Were the correct containers and volumes received?	Yes
9	Were samples received within EPA hold times?	Yes
10	Were correct preservatives used? (water only)	Yes
11	Were pH ranges acceptable? (voa's excluded)	NA
12	Were VOA samples free of headspace (less than 6mm)?	Yes

Lab Report #: L16020720

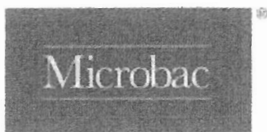
Lab Project #: 2941.011

Project Name: Erie

Lab Contact: Emily Yoak

Samples Received

Client ID	Laboratory ID	Date Collected	Date Received
16A0753-01	L16020720-01	02/11/2016 07:15	02/12/2016 10:41
16A0753-02	L16020720-02	02/11/2016 07:15	02/12/2016 10:41



Login Number: L16020720
Department: Semivolatiles
Analyst: Sarah Bogolin

METHOD

Preparation 3510C

Analysis 40 CFR Part 136

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds that yielded a %RSD greater than 15%, linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: Recoveries out of range were observed for the following analyte: 2,4-Dinitrophenol.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample:

Sample #	Analyte	Date	Result	Lower	Upper	Type
WG557369-02	2-Chloronaphthalene	2016-02-17 10:19:00	58.0	60	118	Recovery

Matrix Spikes: The MS/MSD results were not associated with this sample delivery group.

SAMPLES

Samples: All acceptance criteria were met.

Internal Standards: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Manual Integration Reason Codes

Reason #1: Data System Fails to Select Correct Peak In some cases the chromatography system selects and integrates the 'wrong peak'. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low areacounts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds. This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

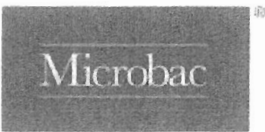
Reason #5: Miscellaneous Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Managing Director or the QAO will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 109243

Approved By: Mary Schilling





Login Number: L16020720
Department: General Chromatography
Analyst: Eric Lawson

METHOD

Analysis U.S. EPA 40 CFR Method 608

HOLDING TIMES

Sample Preparation: All holding times were met.

Sample Analysis: All holding times were met.

PREPARATION

Sample preparation proceeded normally.

CALIBRATION

Initial Calibration: For all compounds that yielded a %RSD greater than 20%; linear or higher order equations were applied. All acceptance criteria were met.

Alternate Source Standards: All acceptance criteria were met.

Continuing Calibration and Tune: All acceptance criteria were met.

BATCH QA/QC

Method Blank: All acceptance criteria were met.

Laboratory Control Sample: Recoveries and/RPDs out of range were observed for the following analytes in the LCSD but were acceptable in the LCS: Aldrin, alpha-BHC. The LCS/LCSD pair exceeded % RPD criteria for gamma-BHC, Heptachlor, however the recoveries for both the LCS and LCSD are within specified limits.

Sample #	Analyte	Date	Result	Lower	Upper	Type
WG557504-03	Aldrin	2016-02-17 18:35:00	35.0	42	122	Recovery
WG557504-03	Aldrin	2016-02-17 18:35:00	30.9		30	RPD
WG557504-03	alpha-BHC	2016-02-17 18:35:00	35.0	37	134	Recovery
WG557504-03	alpha-BHC	2016-02-17 18:35:00	45.7		30	RPD
WG557504-03	gamma-BHC	2016-02-17 18:35:00	39.1		30	RPD

WG557504-03	Heptachlor	2016-02-17 18:35:00	35.3		30	RPD
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Matrix Spikes: There were no MS/MSD results associated with this sample delivery group, due to insufficient volume of sample. The laboratory included an LCS and LCS duplicate in the preparation batch in lieu of the NELAC prescribed MS/MSD. Microbac recommends site specific MS/MSD samples to avoid possible data qualification.

SAMPLES

Samples: All acceptance criteria were met.

Surrogates: All acceptance criteria were met.

Manual Integration Reason Codes

Reason #1: Data System Fails to Select Correct Peak In some cases the chromatography system selects and integrates the 'wrong peak'. In this case the analyst must correct the selection and force the system to integrate the proper peak. Other times the system may miss the peak completely.

Reason #2: Data System Splits the Peak Incorrectly or Integrates a False Peak as a Rider Peak This phenomena is common at low concentrations where the signal:noise ratio is low. A single compound (peak) is incorrectly split into multiple peaks or integrated as a main peak with one or more rider peaks resulting in low area counts for the target compound.

Reason #3: Improperly Integrated Isomers and/or coeluting compounds. This system often fails to distinguish coeluting compounds and or isomers. The integration areas and concentrations are wrong, and they must be corrected by manual integration. Prime examples are benzo(k)fluoranthene and benzo(b)fluoranthene which are often unresolved and integrated improperly when both are present at low concentrations in standards or samples.

Reason #4: System Establishes Incorrect Baseline There are numerous situations in chromatography where the system establishes the baseline incorrectly. Some baseline errors will be obvious to the analyst and should be corrected via manual procedures.

Reason #5: Miscellaneous Other situations involving integration errors may require in-depth review and technical judgment. These cases should be brought to the attention of the laboratory management. If the form of manual integration is not clearly covered by these four cases, then review and approval by the Laboratory Director or the QA/QC Supervisor will be required.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and Microbac Laboratories Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

Narrative ID: 109258

Approved By: Wade DeLong

Wade DeLong

Certificate of Analysis

Sample #: L16020720-01	PrePrep Method: N/A	Instrument: HPMS12
Client ID: 16A0753-01	Prep Method: 3510C	Prep Date: 02/15/2016 11:30
Matrix: Water 2	Analytical Method: 625	Cal Date: 01/21/2016 14:28
Workgroup #: WG557941	Analyst: SCB	Run Date: 02/17/2016 15:07
Collect Date: 02/11/2016 07:15	Dilution: 1	File ID: 12M56468
Sample Tag: 01	Units: ug/L	

Analyte	CAS #	Result	Qual	RL	MDL
UNKNOWN		7.25	TIC	0.000	0.000
n-Hexadecanoic acid		5.06	TIC	0.000	0.000
UNKNOWN2		5.67	TIC	0.000	0.000
TIC	Library Search Compound				

Sample #: L16020720-01	PrePrep Method: N/A	Instrument: HPMS12
Client ID: 16A0753-01	Prep Method: 3510C	Prep Date: 02/15/2016 11:30
Matrix: Water 2	Analytical Method: 625	Cal Date: 01/21/2016 14:28
Workgroup #: WG557941	Analyst: SCB	Run Date: 02/17/2016 15:07
Collect Date: 02/11/2016 07:15	Dilution: 1	File ID: 12M56468
Sample Tag: 01	Units: ug/L	

Analyte	CAS #	Result	Qual	RL	MDL
1,2,4-Trichlorobenzene	120-82-1		U	5.21	2.60
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7		U	5.21	2.60
2,4,6-Trichlorophenol	88-06-2		U	5.21	2.60
2,4-Dichlorophenol	120-83-2		U	5.21	2.60
2,4-Dimethylphenol	105-67-9		U	5.21	2.60
2,4-Dinitrophenol	51-28-5		U	26.0	13.0
2,4-Dinitrotoluene	121-14-2		U	5.21	2.60
2,6-Dinitrotoluene	606-20-2		U	5.21	2.60
2-Chloronaphthalene	91-58-7		U	5.21	2.60
2-Chlorophenol	95-57-8		U	5.21	2.60
2-Methylphenol	95-48-7		U	5.21	2.60
2-Nitrophenol	88-75-5		U	5.21	2.60
3,3'-Dichlorobenzidine	91-94-1		U	5.21	2.60
3,4-Methylphenol	106-44-5		U	5.21	2.60
4,6-Dinitro-2-methylphenol	534-52-1		U	26.0	13.0
4-Bromophenyl phenyl ether	101-55-3		U	5.21	2.60
4-Chloro-3-methylphenol	59-50-7		U	5.21	2.60
4-Chlorophenyl phenyl ether	7005-72-3		U	5.21	2.60
4-Nitrophenol	100-02-7		U	26.0	13.0
Acenaphthene	83-32-9		U	5.21	2.60

Certificate of Analysis

Analyte	CAS #	Result	Qual	RL	MDL
Acenaphthylene	208-96-8	...	U	5.21	2.60
Anthracene	120-12-7		U	5.21	2.60
Benzidine	92-87-5		U	26.0	13.0
Benzo(a)anthracene	56-55-3		U	5.21	2.60
Benzo(a)pyrene	50-32-8		U	5.21	2.60
Benzo(b)fluoranthene	205-99-2		U	5.21	2.60
Benzo(g,h,i)Perylene	191-24-2		U	5.21	2.60
Benzo(k)fluoranthene	207-08-9		U	5.21	2.60
Bis(2-Chloroethoxy)Methane	111-91-1		U	5.21	2.60
Bis(2-Chloroethyl)ether	111-44-4		U	5.21	2.60
bis(2-Chloroisopropyl)ether	39638-32-9		U	5.21	2.60
bis(2-Ethylhexyl)phthalate	117-81-7	4.63	J	5.21	2.60
Butyl benzyl phthalate	85-68-7	3.36	J	5.21	2.60
Chrysene	218-01-9	...	U	5.21	2.60
Dibenz(a,h)anthracene	53-70-3		U	5.21	2.60
Diethyl phthalate	84-66-2		U	5.21	2.60
Dimethyl phthalate	131-11-3		U	5.21	2.60
Di-N-Butylphthalate	84-74-2		U	5.21	2.60
Di-n-octyl phthalate	117-84-0		U	5.21	2.60
Diphenylamine	122-39-4		U	5.21	2.60
Fluoranthene	206-44-0		U	5.21	2.60
Fluorene	86-73-7		U	5.21	2.60
Hexachlorobenzene	118-74-1		U	5.21	2.60
Hexachlorobutadiene	87-68-3		U	5.21	2.60
Hexachlorocyclopentadiene	77-47-4		U	5.21	2.60
Hexachloroethane	67-72-1		U	5.21	2.60
Indeno(1,2,3-cd)pyrene	193-39-5		U	5.21	2.60
Isophorone	78-59-1		U	5.21	2.60
Naphthalene	91-20-3		U	5.21	2.60
Nitrobenzene	98-95-3		U	5.21	2.60
N-Nitrosodimethylamine	62-75-9		U	5.21	2.60
Diphenylamine/n-Nitrosodiphenylamine	86-30-6		U	5.21	2.60
N-Nitrosodipropylamine	621-64-7		U	5.21	2.60
Pentachlorophenol	87-86-5		U	26.0	13.0
Phenanthrene	85-01-8		U	5.21	2.60
Phenol	108-95-2		U	5.21	2.60
Pyrene	129-00-0		U	5.21	2.60
Surrogate	Recovery	Lower Limit	Upper Limit	Q	
2,4,6-Tribromophenol	77.1	10	123		

Certificate of Analysis

2-Fluorobiphenyl	54.9	43	116
2-Fluorophenol	37.0	21	100
Nitrobenzene-d5	57.9	35	114
p-Terphenyl-d14	68.9	33	141
Phenol-d5	22.7	10	94

J The analyte was positively identified, but the quantitation was below the RL
 U Not detected at or above adjusted sample detection limit

Sample #: L16020720-01	PrePrep Method: N/A	Instrument: HP15
Client ID: 16A0753-01	Prep Method: 3510C	Prep Date: 02/17/2016 13:35
Matrix: Water 2	Analytical Method: 608	Cal Date: 02/13/2016 03:07
Workgroup #: WG557821	Analyst: ECL	Run Date: 02/17/2016 19:58
Collect Date: 02/11/2016 07:15	Dilution: 1	File ID: 15G52692.F
Sample Tag: 01	Units: ug/L	

Analyte	CAS #	Result	Qual	RL	MDL
4,4'-DDD	72-54-8		U	0.0500	0.0100
4,4'-DDE	72-55-9		U	0.0500	0.0100
4,4'-DDT	50-29-3		U	0.0500	0.0100
Aldrin	309-00-2		U	0.0500	0.0100
alpha-BHC	319-84-6		U	0.0500	0.0100
beta-BHC	319-85-7		U	0.0500	0.0100
Chlordane	57-74-9		U	1.00	0.300
delta-BHC	319-86-8		U	0.0500	0.0100
Dieldrin	60-57-1		U	0.0500	0.0100
Endosulfan I	959-98-8		U	0.0500	0.0100
Endosulfan II	33213-65-9		U	0.0500	0.0100
Endosulfan sulfate	1031-07-8		U	0.0500	0.0100
Endrin	72-20-8		U	0.0500	0.0100
Endrin aldehyde	7421-93-4		U	0.0500	0.0100
gamma-BHC (Lindane)	58-89-9		U	0.0500	0.0100
Heptachlor	76-44-8		U	0.0500	0.0100
Heptachlor epoxide	1024-57-3		U	0.0500	0.0100
Methoxychlor	72-43-5		U	0.0500	0.0100
Toxaphene	8001-35-2		U	1.00	0.300

Surrogate	Recovery	Lower Limit	Upper Limit	Q
2,4,5,6-Tetrachloro-m-xylene	42.3	20	180	
Decachlorobiphenyl	43.9	25	140	

U Not detected at or above adjusted sample detection limit

Certificate of Analysis

Sample #: L16020720-02	PrePrep Method: N/A	Instrument: HPMS6
Client ID: 16A0753-02	Prep Method: 5030B/5030C/5035A	Prep Date: N/A
Matrix: Water 2	Analytical Method: 624	Cal Date: 02/05/2016 17:06
Workgroup #: WG557465	Analyst: TMB	Run Date: 02/16/2016 03:17
Collect Date: 02/11/2016 07:15	Dilution: 1	File ID: 6M137333
Sample Tag: 01	Units: ug/L	

Analyte	CAS #	Result	Qual	RL	MDL
1,1,1,2-Tetrachloroethane	630-20-6		U	1.00	0.250
1,1,1-Trichloroethane	71-55-6		U	1.00	0.250
1,1,2,2-Tetrachloroethane	79-34-5		U	1.00	0.200
1,1,2-Trichloroethane	79-00-5		U	1.00	0.250
1,1-Dichloroethane	75-34-3		U	1.00	0.125
1,1-Dichloroethene	75-35-4		U	1.00	0.500
1,1-Dichloropropene	563-58-6		U	1.00	0.250
1,2,3-Trichlorobenzene	87-61-6		U	1.00	0.150
1,2,3-Trichloropropane	96-18-4		U	1.00	0.500
1,2,4-Trichlorobenzene	120-82-1		U	1.00	0.200
1,2,4-Trimethylbenzene	95-63-6		U	1.00	0.250
1,2-Dibromo-3-chloropropane	96-12-8		U	2.00	1.00
1,2-Dibromoethane	106-93-4		U	1.00	0.250
1,2-Dichlorobenzene	95-50-1		U	1.00	0.125
1,2-Dichloroethane	107-06-2		U	1.00	0.250
1,2-Dichloropropane	78-87-5		U	1.00	0.200
1,3,5-Trimethylbenzene	108-67-8		U	1.00	0.250
1,3-Dichlorobenzene	541-73-1		U	1.00	0.250
1,3-Dichloropropane	142-28-9		U	1.00	0.200
1,4-Dichlorobenzene	106-46-7		U	1.00	0.125
2,2-Dichloropropane	594-20-7		U	1.00	0.250
2-Butanone	78-93-3		U	5.00	2.50
2-Chloroethyl vinyl ether	110-75-8		U	5.00	2.00
1,4-Dioxane	123-91-1		U	100	50.0
1-Bromopropane	106-94-5		U	1.00	0.500
2-Chlorotoluene	95-49-8		U	1.00	0.125
2-Hexanone	591-78-6		U	5.00	2.50
4-Chlorotoluene	106-43-4		U	1.00	0.250
4-Methyl-2-pentanone	108-10-1		U	5.00	2.50
Acetone	67-64-1		U	5.00	2.50
Acrolein	107-02-8		U	100	20.0
Acrylonitrile	107-13-1		U	5.00	2.50
Benzene	71-43-2		U	1.00	0.125

Certificate of Analysis

Analyte	CAS #	Result	Qual	RL	MDL
Bromobenzene	108-86-1		U	1.00	0.125
Bromochloromethane	74-97-5		U	1.00	0.200
Bromodichloromethane	75-27-4		U	1.00	0.250
Bromoform	75-25-2		U	1.00	0.500
Bromomethane	74-83-9		U	1.00	0.500
Carbon tetrachloride	56-23-5		U	1.00	0.250
Chlorobenzene	108-90-7		U	1.00	0.125
Chlorodibromomethane	124-48-1		U	1.00	0.250
Chloroethane	75-00-3		U	1.00	0.500
Chloroform	67-66-3		U	1.00	0.125
Chloromethane	74-87-3		U	1.00	0.500
cis-1,2-Dichloroethene	156-59-2		U	1.00	0.250
cis-1,3-Dichloropropene	10061-01-5		U	1.00	0.250
Dibromomethane	74-95-3		U	1.00	0.250
Dichlorodifluoromethane	75-71-8		U	1.00	0.250
Ethylbenzene	100-41-4		U	1.00	0.250
Hexachlorobutadiene	87-68-3		U	1.00	0.250
Isopropylbenzene	98-82-8		U	1.00	0.250
m-,p-Xylene	179601-23-1		U	1.00	0.500
Methyl t-butyl ether (MTBE)	1634-04-4		U	1.00	0.500
Methylene chloride	75-09-2		U	1.00	0.250
n-Butylbenzene	104-51-8		U	1.00	0.250
n-Propylbenzene	103-65-1		U	1.00	0.125
Naphthalene	91-20-3		U	1.00	0.200
o-Xylene	95-47-6		U	1.00	0.250
p-Isopropyltoluene	99-87-6		U	1.00	0.250
sec-Butylbenzene	135-98-8		U	1.00	0.250
Styrene	100-42-5		U	1.00	0.125
tert-Butylbenzene	98-06-6		U	1.00	0.250
Tetrachloroethene	127-18-4		U	1.00	0.250
Toluene	108-88-3		U	1.00	0.250
trans-1,2-Dichloroethene	156-60-5		U	1.00	0.250
trans-1,3-Dichloropropene	10061-02-6		U	1.00	0.500
trans-1,4-Dichloro-2-Butene	110-57-6		U	5.00	2.50
Trichloroethene	79-01-6		U	1.00	0.250
Trichlorofluoromethane	75-69-4		U	1.00	0.250
Vinyl chloride	75-01-4		U	1.00	0.250
Surrogate	Recovery	Lower Limit	Upper Limit	Q	
1,2-Dichloroethane-d4	99.0	63	140		

Certificate of Analysis

4-Bromofluorobenzene	102	54	123
Toluene-d8	95.6	53	142

U Not detected at or above adjusted sample detection limit

Microbac Laboratories Inc.
Ohio Valley Division Analyst List
February 19, 2016

001 - BIO-CHEM TESTING WVDEP 220	002 - REIC Consultants, Inc. WVDEP 060
003 - Sturm Environmental	004 - MICROBAC PITTSBURGH
005 - ES LABORATORIES	006 - ALCOSAN LABORATORIES
007 - ALS LABORATORIES	008 - BENCHMARK LABORATORIES
010 - MICROBAC CHICAGOLAND	AC - AMBER R. CARMICHAEL
ADC - ANTHONY D. CANTER	ADG - APRIL D. GREENE
AED - ALLEN E. DAVIS	ALS - ADRIANE L. STEED
AWE - ANDREW W. ESSIG	AZH - AFTER HOURS
BJO - BRIAN J. OGDEN	BKT - BRENDAN TORRENCE
BLG - BRENDA L. GREENWALT	BRG - BRENDA R. GREGORY
CAA - CASSIE A. AUGENSTEIN	CAF - CHERYL A. FLOWERS
CEB - CHAD E. BARNES	CJR - COURTNEY J. REXROAD
CLC - CHRYS L. CRAWFORD	CLS - CARA L. STRICKLER
CLW - CHARISSA L. WINTERS	CPD - CHAD P. DAVIS
CSH - CHRIS S. HILL	DAK - DEAN A. KETELSEN
DCM - DAVID C. MERCKLE	DEV - DAVID E. VANDENBERG
DIH - DEANNA I. HESSON	DLB - DAVID L. BUMGARNER
DLP - DOROTHY L. PAYNE	DLW - DIANA L. WRIGHT
DSM - DAVID S. MOSSOR	ECL - ERIC C. LAWSON
ENY - EMILY N. YOAK	ERP - ERIN R. PORTER
FJB - FRANCES J. BOLDEN	JBK - JEREMY B. KINNEY
JDH - JUSTIN D. HESSON	JDS - JARED D. SMITH
JJS - JOHN J. STE MARIE	JKP - JACQUELINE K. PARSONS
JLD - JESSICA L. DELONG	JLL - JOHN L. LENT
JMW - JEANA M. WHITE	JTP - JOSHUA T. PEMBERTON
JWR - JOHN W. RICHARDS	JWS - JACK W. SHEAVES
JYH - JI Y. HU	KAJ - KELLIE A. JOHNSON
KAT - KATHY A. TUCKER	KDW - KATHRYN D. WELCH
KEB - KATIE E. BARNES	KHR - KIM H. RHODES
KKB - KERRI K. BUCK	KRA - KATHY R. ALBERTSON
KRB - KAEELY R. BECKER	KRP - KATHY R. PARSONS
LEC - LAURA E. CARPENTER	LKN - LINDA K. NEDEFF
LLS - LARRY L. STEPHENS	LSB - LESLIE S. BUCINA
MBK - MORGAN B. KNOWLTON	MDA - MIKE D. ALBERTSON
MDC - MIKE D. COCHRAN	MES - MARY E. SCHILLING
MLB - MEGAN L. BACHE	MMB - MAREN M. BEERY
MRT - MICHELLE R. TAYLOR	MSW - MATT S. WILSON
PDM - PIERCE D. MORRIS	PIT - MICROBAC WARRENDALE
PRL - PAIGE R. LAMB	PSW - PEGGY S. WEBB
QX - QIN XU	RAH - ROY A. HALSTEAD
REK - BOB E. KYER	RLB - BOB BUCHANAN
RM - RAYMOND MALEKE	RNP - RICK N. PETTY
RST - ROBIN S. TURNER	SAV - SARAH A. VANDENBERG
SCB - SARAH C. BOGOLIN	SDC - SHALYN D. CONLEY
SLM - STEPHANIE L. MOSSBURG	SLP - SHERI L. PFALZGRAF
TB - TODD BOYLE	TGF - TIM G. FELTON
TMB - TIFFANY M. BAILEY	TMM - TAMMY M. MORRIS
VC - VICKI COLLIER	WJB - WILL J. BEASLEY
WRR - WESLEY R. RICHARDS	WTD - WADE T. DELONG
XXX - UNAVAILABLE OR SUBCONTRACT	

Microbac Laboratories Inc.

List of Valid Qualifiers

February 19, 2016

Qualkey: STD_ND=U

Qualifier	Description
*	Surrogate or spike compound out of range
+	Correlation coefficient for the MSA is less than 0.995
<	Result is less than the associated numerical value.
>	Result is greater than the associated numerical value.
A	See the report narrative
B	Analyte present in method blank
B1	Target analyte detected in method blank at or above the method reporting limit
B3	Target analyte detected in calibration blank at or above the method reporting limit
C	Confirmed by GC/MS
CG	Confluent growth
DL	Surrogate or spike compound was diluted out
E	Estimated concentration due to sample matrix interference
EDL	Elevated sample reporting limits, presence of non-target analytes
EMPC	Estimated Maximum Possible Concentration
F, S	Estimated result below quantitation limit; method of standard additions(MSA)
FL	Free Liquid
FP1	Did not ignite.
H1	Sample analysis performed past holding time.
I	Semiquantitative result (out of instrument calibration range)
J	The analyte was positively identified, but the quantitation was below the RL
J,B	Analyte detected in both the method blank and sample above the MDL.
J,H1	The analyte was positively identified, but the quantitation was below the RL. Sample analysis performed past holding time
J,P	Estimate; columns don't agree to within 40%
J,S	Estimated concentration; analyzed by method of standard addition (MSA)
L	Sample reporting limits elevated due to matrix interference
L1	The associated blank spike (LCS) recovery was above the laboratory acceptance limits.
L2	The associated blank spike (LCS) recovery was below the laboratory acceptance limits.
M	Matrix effect; the concentration is an estimate due to matrix effect.
N	Tentatively identified compound(TIC)
NA	Not applicable
ND, S	Not detected; analyzed by method of standard addition (MSA)
ND,L	Not detected; sample reporting limit (RL) elevated due to interference
NF	Not found by library search
NFL	No free liquid
NI	Non-ignitable
NR	Analyte is not required to be analyzed
NS	Not spiked
P	Concentrations >40% difference between the two GC columns
Q	One or more quality control criteria failed. See narrative.
QNS	Quantity of sample not sufficient to perform analysis
RA	Reanalysis confirms reported results
RE	Reanalysis confirms sample matrix interference
S	Analyzed by method of standard addition (MSA)
SMI	Sample matrix interference on surrogate
SP	Reported results are for spike compounds only
TIC	Library Search Compound
TNTC	Too numerous to count
U	Not detected at or above adjusted sample detection limit
U,H1	Not detected; sample analysis performed past holding time.
UJ	Undetected; the MDL and RL are estimated due to quality control discrepancies.
W	Post-digestion spike for furnace AA out of control limits
X	Exceeds regulatory limit
X, S	Exceeds regulatory limit; method of standard additions (MSA)
Z	Cannot be resolved from isomer - see below



SUBCONTRACT ORDER

Gowanda, Village of WWTP
Priority Pollutant - Peter Cooper

SENDING LABORATORY:

Microbac Laboratories, Inc. - Erie
1962 Wager Road
Erie, PA 16509
Phone: 814.825.8533
Fax: 814.825.9254
Project Manager: Andrea Brownfield

RECEIVING LABORATORY:

Microbac - OVD
158 Starlite Drive
Marietta, OH 45750
Phone: (740) 373-4071
Fax: (740) 373-4835

Sample ID: 16A0753-01

Matrix: Aqueous

Sampled: 02/11/2016 07:15

Analysis Requested

Method

Due

Expires

Acid Extractables by EPA 625

EPA 625

02/23/2016 12:00

02/18/2016 07:15

Sample Comments: sub 2/11/16

2,4,6-Trichlorophenol
2,4-Dinitrophenol
2-Methylphenol (o-Cresol)
4-Methylphenol (p-Cresol)
Phenol

2,4-Dichlorophenol
2-Chlorophenol
2-Nitrophenol
4-Nitrophenol

2,4-Dimethylphenol
2-Methyl-4,6-Dinitrophenol
4-Chloro-3-Methylphenol
Pentachlorophenol

Base Neutral Extractables by EPA 625

EPA 625

02/23/2016 12:00

02/18/2016 07:15

Sample Comments: sub 2/11/16

1,2,4-Trichlorobenzene
2,6-Dinitrotoluene (2,6-DNT)
4-Bromophenyl Phenyl Ether
Acenaphthylene
Benzo(a)anthracene
Benzo(g,h,i)perylene
bis(2-Chloroethyl)ether
Butyl benzyl phthalate
Diethyl phthalate
Di-n-octyl phthalate
Hexachlorobenzene
Hexachloroethane
Naphthalene
n-Nitrosodi-n-propylamine
Pyrene

1,2-Diphenylhydrazine
2-Chloronaphthalene
4-Chlorophenyl phenylether
Anthracene
Benzo(a)pyrene
Benzo(k)fluoranthene
bis(2-Chloroisopropyl)ether
Chrysene
Dimethyl phthalate
Fluoranthene
Hexachlorobutadiene
Indeno(1,2,3-cd)pyrene
Nitrobenzene
n-Nitrosodiphenylamine

2,4-Dinitrotoluene (2,4-DNT)
3,3'-Dichlorobenzidine
Acenaphthene
Benzidine
Benzo(b)fluoranthene
bis(2-Chloroethoxy)methane
bis(2-Ethylhexyl)phthalate
Dibenzo(a,h)anthracene
Di-n-butyl phthalate
Fluorene
Hexachlorocyclopentadiene
Isophorone
N-Nitroso-Dimethylamine
Phenanthrene

Five Peaks On BNA Scan

02/23/2016 12:00

02/14/2016 07:15

Sample Comments: sub 2/11/16

Five Peaks on scan

Released By: *[Signature]*

Date: 2/11/16



Microbac OVD

Received: 02/12/2016 10:41

By: BRIAN OGDEN

221000082033

[Signature]

Released By

Date

Received By

Date

SUBCONTRACT ORDER

Gowanda, Village of WWTP
Priority Pollutant - Peter CooperSENDING LABORATORY:Microbac Laboratories, Inc. - Erie
1962 Wager Road
Erie, PA 16509
Phone: 814.825.8533
Fax: 814.825.9254
Project Manager: Andrea BrownfieldRECEIVING LABORATORY:Microbac - OVD
158 Starlite Drive
Marietta, OH 45750
Phone: (740) 373-4071
Fax: (740) 373-4835

Sample ID: 16A0753-01 Matrix: Aqueous Sampled: 02/11/2016 07:15

Analysis Requested Method Due Expires

Five Peaks On VOC Scan EPA 624 02/23/2016 12:00 02/12/2016 07:15

Sample Comments: sub 2/11/16

Five Peaks on scan

Pesticides/PCBs by EPA 608 EPA 608 02/23/2016 12:00 02/14/2016 07:15

Sample Comments: sub 2/11/16

4,4'-DDD

Aldrin

Chlordane (tech.)

Dieldrin

Endosulfan Sulfate

gamma-BHC (Lindane, gamma-Hexachlorocyclo Heptachlor

Toxaphene (Chlorinated camphene)

4,4'-DDE

alpha-BHC (alpha-Hexachlorocyclohexane)

Chlorine - Total Residual

Endosulfan I

Endrin

4,4'-DDT

beta-BHC (beta-Hexachlorocyclohexane)

delta-BHC

Endosulfan II

Endrin Aldehyde

Heptachlor Epoxide

Sample ID: 16A0753-02 Matrix: Aqueous Sampled: 02/11/2016 07:15

Analysis Requested Method Due Expires

Volatile Organics by EPA 624 EPA 624 02/23/2016 12:00 02/25/2016 07:15

Sample Comments: sub 2/11/16

Released By

Date

Received By

Date

Released By

Date

Received By

Date



Microbac OVD

Received: 02/12/2016 10:41

By: BRIAN OGDEN

221000002033

SUBCONTRACT ORDER

Gowanda, Village of WWTP
Priority Pollutant - Peter Cooper

SENDING LABORATORY:

Microbac Laboratories, Inc. - Erie
1962 Wager Road
Erie, PA 16509
Phone: 814.825.8533
Fax: 814.825.9254
Project Manager: Andrea Brownfield

RECEIVING LABORATORY:

Microbac - OVD
158 Starlite Drive
Marietta, OH 45750
Phone: (740) 373-4071
Fax: (740) 373-4835

Sample ID: 16A0753-02

Matrix: Aqueous

Sampled: 02/11/2016 07:15

Analysis Requested

Method

Due

Expires

<i>1,1,1,2-Tetrachloroethane</i>	<i>1,1,1-Trichloroethane</i>	<i>1,1,2,2-Tetrachloroethane</i>
<i>1,1,2-Trichloroethane</i>	<i>1,1-Dichloroethane</i>	<i>1,1-Dichloroethene (1,1-Dichloroethylene)</i>
<i>1,1-Dichloropropene (1,1-Dichloropropylene)</i>	<i>1,2,3-Trichlorobenzene</i>	<i>1,2,3-Trichloropropane</i>
<i>1,2,4-Trichlorobenzene</i>	<i>1,2,4-Trimethylbenzene</i>	<i>1,2-Dibromo-3-Chloropropane (DBCP)</i>
<i>1,2-Dibromoethane (Ethylene dibromide) (EDB)</i>	<i>1,2-Dichlorobenzene</i>	<i>1,2-Dichloroethane</i>
<i>1,2-Dichloropropane</i>	<i>1,3,5-Trimethylbenzene</i>	<i>1,3-Dichlorobenzene</i>
<i>1,3-Dichloropropane</i>	<i>1,4-Dichlorobenzene</i>	<i>1,4-Dioxane</i>
<i>1-Bromopropane</i>	<i>2,2-Dichloropropane</i>	<i>2-Butanone (MEK)</i>
<i>2-Chloroethyl vinyl ether</i>	<i>2-Chlorotoluene</i>	<i>2-Hexanone</i>
<i>3-Chloro-1-Propene</i>	<i>4-Chlorotoluene</i>	<i>4-Isopropyltoluene (p-Isopropyltoluene)</i>
<i>4-Methyl-2-pentanone (MIBK)</i>	<i>Acetone</i>	<i>Acrolein</i>
<i>Acrylonitrile</i>	<i>Benzene</i>	<i>Bromobenzene</i>
<i>Bromochloromethane</i>	<i>Bromodichloromethane</i>	<i>Bromoform</i>
<i>Carbon disulfide</i>	<i>Carbon tetrachloride</i>	<i>Chlorobenzene</i>
<i>Chlorodibromomethane (Dibromochloromethane)</i>	<i>Chloroethane (Ethyl Chloride)</i>	<i>Chloroform</i>
<i>cis-1,2-Dichloroethene</i>	<i>cis-1,3-Dichloropropene</i>	<i>Dibromomethane (Methylene Bromide)</i>
<i>Dichlorodifluoromethane (Freon-12)</i>	<i>Ethylbenzene</i>	<i>Hexachlorobutadiene</i>
<i>Iodomethane (Methyl iodide)</i>	<i>Isopropylbenzene (Cumene)</i>	<i>m,p-Xylene</i>
<i>m+p-xylene</i>	<i>Methyl Bromide (Bromomethane)</i>	<i>Methyl chloride (Chloromethane)</i>
<i>Methyl Isobutyl Ketone</i>	<i>Methyl tert-butyl ether (MTBE)</i>	<i>Methylene chloride (Dichloromethane)</i>
<i>Naphthalene</i>	<i>n-Butylbenzene</i>	<i>n-Propylbenzene</i>
<i>o-Xylene</i>	<i>p-Isopropyltoluene</i>	<i>p-Xylene</i>
<i>sec-Butylbenzene</i>	<i>Styrene</i>	<i>tert-Butylbenzene</i>
<i>Tetrachloroethylene (Perchloroethylene)</i>	<i>Toluene</i>	<i>trans-1,2-Dichloroethene</i>
<i>trans-1,3-Dichloropropene</i>	<i>trans-1,4-Dichloro-2-butene</i>	<i>Trichloroethene (Trichloroethylene)</i>
<i>Trichlorofluoromethane (Freon 11)</i>	<i>Vinyl acetate</i>	<i>Vinyl chloride</i>

In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This COC is considered complete as is since this information is available in the owner laboratory.

Released By

Date



Microbac OVD

Received: 02/12/2016 10:41

By: BRIAN OGDEN

221000082033

Released By

Date

Received By

Date

NELAP Addendum - January 4, 2016

Non-NELAP LIMS Product and Description

The following is a list of those tests that are not included in the Microbac – OVD NELAP Scope of Accreditation:

Heat of Combustion (BTU)
Total Halide by Bomb Combustion (TX)
Particle Sizing - 200 Mesh (PS200)
Specific Gravity/Density (SPGRAV)
Total Residual Chlorine (CL-TRL)
Total Volatile Solids (all forms) (TVS)
Total Coliform Bacteria (all methods)
Fecal Coliform Bacteria (all methods)
Sulfite (SO₃)
Propionaldehyde (HPLC-UV)

SOLID AND HAZARDOUS CHEMICALS

Nitrogen, Ammonia by Method 350.1
Chromium, Hexavalent, Leachable by SM3500 Cr-B 2009
Phenolics, Total by Method 420.1
ASTM D3987-06

NELAP Accreditation by Laboratory SOP

NONPOTABLE WATER

OVD HPLC02/HPLC-UV

Nitroglycerin
Acetic acid
Butyric acid
Lactic acid
Propionic acid
Pyruvic acid

OVD MSS01/GC-MS

1,4-Phenylenediamine
1-Methylnaphthalene
1,4-Dioxane
Atrazine
Benzaldehyde
Biphenyl
Caprolactam
Hexamethylphosphoramide (HMPA)
Pentachlorobenzene
Pentachloroethane

NELAP Accreditation by Laboratory SOP

NONPOTABLE WATER

OVD MSV01/GC-MS

1, 1, 2-Trichloro-1,2,2-trifluoroethane
1,3-Butadiene
Cyclohexane
Cyclohexanone
Dimethyl disulfide
Dimethylsulfide
Ethyl-t-butylether (ETBE)
Isoprene
Methylacetate
Methylcyclohexane
T-amylmethylether (TAME)
Tetrahydrofuran (THF)

OVD HPLC07/HPLC-MS-MS

Hexamethylphosphoramide (XMPA-LCMS)

OVD HPLC12/HPLC/UV

Acetate
Formate

OVD RSK01/GC-FID

Acetylene
Propane

OVD K9305/ISE

Fluoroborate

SOLID AND HAZARDOUS CHEMICALS

OVD MSS01/GC-MS

1-Methylnaphthalene
Benzaldehyde
Biphenyl
Caprolactam
Pentachloroethane

NELAP Accreditation by Laboratory SOP

SOLID AND HAZARDOUS CHEMICALS

OVD MSV01/GC-MS

1.3-Butadiene
Cyclohexane
Cyclohexanone
Dimethyl disulfide
Dimethylsulfide
Ethyl-t-butylether (ETBE)
Isoprene
Methylacetate
Methylcyclohexane
n-Hexane
T-amylmethylether (TAME)



CERTIFICATE OF ANALYSIS

Work Order Number:

16G1429

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 07/21/2016
Date Received 07/14/2016
Account Number 000000007266



Subject: Peter Cooper Landfill Samples

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
16G1429-01 Peter Cooper							
Sample Date/Time:	7/14/16 7:15 am	Matrix:	Aqueous	Sampled By:	client		
Biochemical Oxygen Demand (BOD5)	SM5210 B-01,-11	51.2 mg/L		7/15/16 13:30	7/20/16 9:56	NJB	K7
Ammonia as N	SM4500 NH3 F-97,-11	168 mg/L		7/18/16 11:00	7/18/16 21:07	CP3	
Total Kjeldahl Nitrogen - TKN	SM4500 NH3 F-97,-11	190 mg/L		7/18/16 8:30	7/18/16 21:32	CP3	
Phenols - 4AAP	EPA 420.1 (1978)	<0.005 mg/L		7/19/16 8:30	7/20/16 8:25	CMF	
Total Suspended Solids - TSS	SM2540 D-97,-11	<5.0 mg/L		7/18/16 11:40	7/19/16 7:30	CMF	
Sulfate	EPA 300.0, Rv. 2.1	281 mg/L		7/16/16 2:56	7/16/16 2:56	CP3	
Analysis Performed By: Microbac Laboratories, Inc., Sayre Division							
Sulfide as S	SM4500-S2 F-2000	<1.00 mg/L		7/19/16 13:00	7/19/16 13:00	ICC	

All samples received in proper condition and results conform to ISO 17025 unless otherwise noted

Some or all of the samples were collected by the customer. The verifiability of the final results are therefore limited by the customer's reported values. Microbac Laboratories, Inc. assumes that all sampling instructions are followed, and the data upon which these final results are based, have been accurately supplied by the client.

Notes and Definitions

K7 Seed control did not meet method criteria.

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CERTIFICATE OF ANALYSIS

Work Order Number:

16G1429

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 07/21/2016
Date Received 07/14/2016
Account Number 000000007266



Subject: Peter Cooper Landfill Samples

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
mg/kg	= Milligram per Kilogram (ppm)	Negative/Absent					= Bacteria or target analyte not detected
ug/L	= Micrograms per Liter (ppb)	CFU					= Colony Forming Unit
ug/kg	= Micrograms per Kilogram (ppb)	ND					= Not detected at or below the reporting limit
mg/L	= Milligrams per Liter (ppm)	TIC					= Tentatively Identified Compound
1000 ug	= 1 mg	"<"					= Less than (also see "ND")
Positive/Present	= Bacteria or target analyte detected	">"					= Greater than
HSCC	= High Sensitivity Coliform Count	MPN					= Most Probable Number

An E associated with Microbiology values designates that the result obtained was outside of the method specified counting range. Estimated counts are valid, but must be notated as such per regulation.

Project Requested Certification(s):

Certificate ID	Agency
NY DOH# 10121	New York State Department of Health
PA DEP ID: 08-00380	Pennsylvania Department of Environmental Protection

Sub-Contract Laboratories:

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Microbac Laboratories, Inc.

1962 Wager Road Erie, PA 16509 | 814.825.8533 p | 814.825.9254 f | www.microbac.com



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Work Order Number:

16G1429

Gowanda, Village of WWTP
Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 07/21/2016
Date Received 07/14/2016
Account Number 00000007266



Subject: Peter Cooper Landfill Samples

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES
------	--------	--------	-------	----------	----------	------	-------

Reviewed and Approved By:

Date Reviewed and Approved:

07/21/2016

Andrea Brownfield
Project Manager, Microbac Laboratories, Inc. - Erie
Report released by Andrea Brownfield

Any questions regarding this report, please contact your account manager,

As Regulatory limits frequently change, Microbac Laboratories, Inc. advises the recipient of this report to confirm such limits with the appropriate Federal, state or local authorities before acting on the data provided. For feedback concerning our services, please contact the Managing Director, or J. Trevor Boyce, President, at president@microbac.com.

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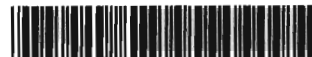
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27 East Main Street
Gowanda, NY 14070

Date Reported 07/21/2016
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Account Number 000000007266



Subject: Peter Cooper Landfill Samples

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
Inorganics - Quality Control								
Microbac Laboratories, Inc. - Erie								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1606483 - SM2540 D								
Blank (1606483-BLK1)				Prepared: 07/18/201 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	ND	5.0	mg/L					
Blank (1606483-BLK2)				Prepared: 07/18/201 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	ND	5.0	mg/L					
Blank (1606483-BLK3)				Prepared: 07/18/201 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	ND	5.0	mg/L					
Blank (1606483-BLK4)				Prepared: 07/18/201 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	ND	5.0	mg/L					
Reference (1606483-SRM1)				Prepared: 07/18/201 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	31.0		mg/L	30.000	103	70-130		
Reference (1606483-SRM2)				Prepared: 07/18/201 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	292		mg/L	300.00	97	70-130		
Reference (1606483-SRM3)				Prepared: 07/18/201 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	31.0		mg/L	30.000	103	70-130		
Reference (1606483-SRM4)				Prepared: 07/18/201 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	290		mg/L	300.00	97	70-130		
Reference (1606483-SRM5)				Prepared: 07/18/201 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	32.0		mg/L	30.000	107	70-130		
Reference (1606483-SRM6)				Prepared: 07/18/201 Analyzed: 07/19/2016				

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Attn: Andrew Carriero
27 East Main Street
Gowanda, NY 14070

Date Reported 07/21/2016
Date Received 07/14/2016
Account Number 000000007266



Subject: Peter Cooper Landfill Samples

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
Inorganics - Quality Control								
Microbac Laboratories, Inc. - Erie								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1606483 - SM2540 D								
Reference (1606483-SRM6)				Prepared: 07/18/2016 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	240		mg/L	300.00	80	70-130		
Reference (1606483-SRM7)				Prepared: 07/18/2016 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	30.5		mg/L	30.000	102	70-130		
Reference (1606483-SRM8)				Prepared: 07/18/2016 Analyzed: 07/19/2016				
Total Suspended Solids - TSS	282		mg/L	300.00	94	70-130		
Batch 1606490 - EPA 300.0 (Aqueous)								
Blank (1606490-BLK1)				Prepared & Analyzed: 07/15/2016				
Sulfate	ND	1.00	mg/L					
LCS (1606490-BS1)				Prepared & Analyzed: 07/15/2016				
Sulfate	9.60		mg/L	10.000	96	90-110	20	
Reference (1606490-SRM1)				Prepared & Analyzed: 07/15/2016				
Sulfate	19.7		mg/L	20.000	99	90-110		
Batch 1606509 - SM4500-NH3 B								
Blank (1606509-BLK1)				Prepared & Analyzed: 07/18/2016				
Ammonia as N	ND	0.30	mg/L					
LCS (1606509-BS1)				Prepared & Analyzed: 07/18/2016				
Ammonia as N	2.07	0.30	mg/L	2.0000	103	90-110	20	

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Subject: Peter Cooper Landfill Samples

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
Inorganics - Quality Control								
Microbac Laboratories, Inc. - Erie								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch 1606509 - SM4500-NH3 B								
Reference (1606509-SRM1)				Prepared & Analyzed: 07/18/2016				
Ammonia as N	1.93		mg/L	2.0000		97	90-110	
Batch 1606510 - Default Inorganics Prep								
Blank (1606510-BLK1)				Prepared & Analyzed: 07/18/2016				
Total Kjeldahl Nitrogen - TKN	ND	1.25	mg/L					
LCS (1606510-BS1)				Prepared & Analyzed: 07/18/2016				
Total Kjeldahl Nitrogen - TKN	5.84		mg/L	6.2500		93	90-110	20
Batch 1606555 - EPA 420.1								
Blank (1606555-BLK1)				Prepared: 07/19/201 Analyzed: 07/20/2016				
Phenols - 4AAP	ND	0.005	mg/L					
LCS (1606555-BS1)				Prepared: 07/19/201 Analyzed: 07/20/2016				
Phenols - 4AAP	0.050	0.005	mg/L	0.050450		99	90-110	20
Batch 1606623 - SM5210 B								
Blank (1606623-BLK1)				Prepared: 07/15/201 Analyzed: 07/20/2016				
Biochemical Oxygen Demand (BOD5)	ND	4.00	mg/L					
Reference (1606623-SRM1)				Prepared: 07/15/201 Analyzed: 07/20/2016				
Biochemical Oxygen Demand (BOD5)	218		mg/L	198.00		110	84.5-115.4	

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Subject: Peter Cooper Landfill Samples

Purchase Order:

TEST	METHOD	RESULT	UNITS	PREPARED	ANALYZED	TECH	NOTES	
Inorganics - Quality Control								
Microbac Laboratories, Inc., Sayre Division								
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD Limit	Notes
Batch SG60423 - Wet Chem - W								
Blank (SG60423-BLK1)				Prepared & Analyzed: 07/19/2016				
Sulfide as S	ND	1.00	mg/L					
Duplicate (SG60423-DUP1)				Prepared & Analyzed: 07/19/2016				
Sulfide as S	ND	1.00	mg/L		ND		10	
Reference (SG60423-SRM1)				Prepared & Analyzed: 07/19/2016				
Sulfide as S	3.20	1.00	mg/L	4.78000	66.9	50.4-133.1		

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CHAIN OF CUSTODY

Put bar code here

Microbac Erie Division 814.825.8533
1962 Wager Road
Erie, PA 16509

enemm@microbac.com

Page 1 of 1

16G1429 Gowanda, Village of WWTP



Client/Company Name: Village of Gowanda Sewer Dept.										Contact Name: Andrew Carriero																																							
Address: 27 E. Main St.										Bill To/PO#: Sewer Dept.																																							
City/State/Zip: Gowanda NY 14070										Potential Hazards: Non-Hazard [x] Hazard [] Radioactive []																																							
Phone: 716-532-5931					Email/Fax: gowandawwtp@mail.com					Disposition: Dispose of [x] Return [] Retain []																																							
Project Name/ID: Peter Cooper Landfill Semi-Annual										Compliance Sample: Yes [] No []																																							
Sampled By: A. Carriero										Due Date: 7-14-16																																							
Shipped By: Microbac Courier										Tracking #: PWSID#:																																							
Type Code: G-Grab C-Composite					Comp. Start: 7-13-16/7:15A					Comp. Stop: 7-14-16/7:15A					Preservatives																																		
Matrix Code: DW-Potable water WW-Nonpotable water SS-Soil/Sludge F-Food S-Swab O-Other																																																	
Sample Identification										Date Taken		Time Taken		Type		Matrix		Tot. #		None		HNO3		H2SO4		NaOH		HCl		Thio		Other																	
Peter Cooper										7-14-16		7:15A		X		WW		1		X												NH3																	
Peter Cooper										7-14-16		7:15A		X		WW		1														Sulfate																	
Peter Cooper										7-14-16		7:15A		X		WW		1														Phenols																	
Peter Cooper										7-14-16		7:15A		X		WW		1		X												BOD,TSS																	
Peter Cooper										7-14-16		7:15A		X		WW		1														TKN																	
Peter Cooper										7-14-16		7:15A		X		WW		1														Sulfide																	
Peter Cooper										7-14-16		7:15A		X		WW		1																															
Instructions/Comments: Solid - 100% in Hydrolytic Zone Carriero 7/14/16																																																	
Relinquished By: A. Carriero										Date/Time: 7-14-16 11:30										Received By: Stephen Sallus										Date/Time: 7-14-16 11:30										Temp: 32.0°C									
Relinquished By: Stephen Sallus										Date/Time: 7-14-16 15:00										Received By: Peter R										Date/Time: 7-14-16 15:00										Infect: Y N									
Relinquished By:										Date/Time:										Received By:										Date/Time:										Infect: Y N									

Attachment 3.0

O&M Cost Summary



VILLAGE OF GOWANDA

"Gateway to the Southern Tier"

27 E Main Street ♦ Gowanda NY 14070

(716)532-3353 ♦ Fax (716)532-2938

"The Village of Gowanda is an Equal Opportunity Provider and Employer."

TO: Investment Management Services
For: PC Superfund Site
870 Westminster St. RWR 110
Providence, RI 02903

March 5, 2015

Cc: Gowanda Area Redevelopment Corp.
Benchmark Analytical
Andy Carriero, Gowanda Wastewater Treatment Plant
Cindy Schilling, Gowanda Village Treasurer

Re: Invoice 1011 - **REVISED**
Exhibit L to Site Agreement for the Peter Cooper Landfill NPL Site

Leachate Monitoring

138 Palmer Street, Gowanda NY

Electrical Service (NYSEG)

9/9-10/2/14 63.98

10/3-11/1/14 107.90

12/6-1/16/15 345.19

Subtotal \$517.07

12/31/2014 sewer bill 293.50

Total: \$810.57

Please make checks payable to:
Village of Gowanda

- **Mayor:** Heather McKeever ♦ **Trustees:** Carol Sheibley ♦ Pete Sisti ♦ Barbara Nephew ♦ Paul Zimmermann
- ♦ **Village Clerk:** Kathleen Mohawk ♦ **Treasurer:** Cindy Schilling ♦ **Attorney for the Village:** Deborah Chadsey
- ♦ **Building Inspector/Code Enforcement:** Gary Brecker
- ♦ **Officer In Charge:** Steve Raiport ♦ **Highway Supervisor:** Gary Denea
- ♦ **Sewer Supervisor:** Andrew Carriero ♦ **Water Supervisor:** Superintendent of Public Works: Jason Opferbeck



VILLAGE OF GOWANDA

"Gateway to the Southern Tier"

27 E Main Street ♦ Gowanda NY 14070

(716)532-3353 ♦ Fax (716)532-2938

"The Village of Gowanda is an Equal Opportunity Provider and Employer."

TO: Investment Management Services
For: PC Superfund Site
870 Westminster St. RWR 110
Providence, RI 02903

September 28, 2015

Cc: Gowanda Area Redevelopment Corp.
Benchmark Analytical
Andy Carriero, Gowanda Wastewater Treatment Plant
Cindy Lauer, Gowanda Village Treasurer

Re: Invoice 1012
Exhibit L to Site Agreement for the Peter Cooper Landfill NPL Site

Leachate Monitoring

138 Palmer Street, Gowanda NY

Electrical Service (NYSEG)

1/7-2/5/15	237.26
2/6-3/6/15	246.70
3/7-4/7/15	363.04
4/8-5/5/15	276.18
5/6-6/2/15	144.19
6/3-7/1/15	137.55
<i>Subtotal</i>	<i>1,404.92</i>

3/30/2015 sewer bill \$294.00

Landfill Samples (Microbac)

Invoice CA5D00504 1,001.49

Invoice CA5D00677 80.00

Subtotal *1,081.49*

Labor - attached

October 2014 284.11

November 2014 281.59

December 2014 301.21

January 2015 210.29

March 2015 211.02

April 2015 347.63

May 2015 323.94

June 2015 945.06

July 2015 637.08

Subtotal *\$3,541.93*

TOTAL: \$6,322.34

Please make checks payable to:
Village of Gowanda

- **Mayor:** Heather McKeever ♦ **Trustees:** Carol Sheibley ♦ Pete Sisti ♦ Barbara Nephew ♦ Paul Zimmermann
- ♦ **Village Clerk:** Kathleen Mohawk ♦ **Treasurer:** Cindy Schilling ♦ **Attorney for the Village:** Deborah Chadsey
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- ♦ **Sewer Supervisor:** Andrew Carriero ♦ **Water Supervisor:** Superintendent of Public Works: Jason Opferbeck

Attachment 4.0

Site Pictures

