

Village of Endicott
Industrial Pretreatment Dept.
c/o 1009 E. Main St.
Endicott, New York 13760

January 15, 2018

USEPA, Region II
Emergency and Remediation Response Division
290 Broadway
New York, New York 10007
Attn: Sherrel Henry

Re: Supplemental Purge Well,
Endicott Wellfield Site

Dear Ms. Henry:

Pursuant to EPA's approval of the Village of Endicott's proposal for a reduction in the frequency of monitoring and analysis for the Supplemental Purge Well, I am submitting a report for the 3rd and 4th Quarter of 2017 for the supplemental purge well as well as for the final effluent.

The average daily flows for the months contained in this reporting period are:

July 2017.....	516,385 gal/day (358 gal/min)
August 2017.....	490,581 gal/day (341 gal/min)
September 2017.....	473,667 gal/day (329 gal/min)
October 2017.....	458,194 gal/day (318 gal/min)
November 2017.....	462,644 gal/day (321 gal/min)
December 2017.....	458,806 gal/day (319 gal/min)

Within this report are summaries of daily SPW flows, a listing of detectable VOC's for both SPW and final effluent for 3rd and 4th Quarters of 2017, and water level readings for 2017.

If you have any questions concerning this report, please call me at 607-757-5352.

Sincerely,

Philip Grayson
Chief Operator, Wastewater

cc: NYSDEC, Payson Long
NYSDEC, Tim DiGiulio, P.E.

Supplemental Purge Well Daily Flow Readings: 2017 Gal./Day

1	Jan.	541,000	552,000	571,000	482,000	531,250	518,000	486,000	500,000	519,000	470,000	486,000	454,333
2		541,000	530,000	563,000	613,000	329,000	558,000	519,000	500,000	436,000	470,000	380,000	454,333
3		736,000	578,000	504,000	613,000	541,000	458,000	590,000	537,000	436,000	510,000	423,000	454,333
4		736,000	541,600	504,000	556,000	531,000	552,000	448,000	521,000	481,000	387,500	513,000	454,333
5		736,000	541,600	569,500	548,000	543,000	552,000	506,000	463,667	481,000	387,500	513,000	454,333
6		544,667	541,600	569,500	554,333	543,000	521,000	641,000	463,667	475,000	421,000	513,000	454,333
7		544,667	541,600	578,000	554,333	543,000	542,000	510,000	463,667	487,000	472,667	450,000	454,500
8		544,667	541,600	568,000	554,333	543,000	589,000	507,000	455,000	532,000	472,667	458,000	454,500
9		549,000	524,000	526,000	554,333	563,000	589,000	507,000	510,000	455,667	472,667	458,000	315,000
10		557,000	525,000	498,000	554,333	510,000	493,667	507,000	509,000	455,667	471,000	464,500	378,000
11		500,000	545,667	498,000	554,333	536,800	493,667	511,500	506,500	455,667	449,000	464,500	655,000
12		532,000	545,667	584,500	549,000	536,800	493,667	511,500	506,500	485,000	466,000	464,500	503,000
13		415,500	545,667	584,500	524,000	536,800	525,000	471,000	506,500	493,000	459,000	464,500	445,500
14		415,500	550,000	547,000	531,500	536,800	644,000	528,500	506,500	472,000	396,000	439,000	445,500
15		415,500	549,000	547,000	531,500	536,800	349,000	528,500	463,000	512,000	490,500	544,000	385,000
16		415,500	533,000	535,400	531,500	536,000	569,000	528,500	483,000	447,667	490,500	394,000	384,000
17		542,333	542,750	535,400	531,500	536,000	504,000	528,500	515,000	447,667	459,000	451,000	488,000
18		542,333	542,750	535,400	542,000	536,000	522,667	498,000	515,000	447,667	459,000	394,000	495,000
19		542,333	542,750	535,400	505,000	478,500	522,667	536,000	470,667	497,000	435,000	442,000	480,333
20		544,500	542,750	535,400	515,000	478,500	522,667	526,000	470,667	596,000	435,000	564,000	458,000
21		544,500	536,500	530,000	523,000	581,000	533,000	507,500	470,667	397,000	435,000	423,000	473,000
22		544,500	536,500	548,000	517,000	581,000	522,000	507,500	487,000	486,000	496,500	479,000	414,000
23		544,500	552,000	532,000	517,000	511,000	522,000	507,500	449,000	330,000	496,500	449,000	464,750
24		571,000	512,000	542,750	517,000	548,000	522,000	507,500	549,000	492,500	458,000	436,000	464,750
25		529,000	497,000	542,750	517,000	461,000	522,000	498,000	536,000	492,500	410,000	479,667	464,750
26		540,000	592,500	542,750	540,000	515,500	522,000	510,000	344,000	455,667	500,000	479,667	464,750
27		551,000	592,500	542,750	525,000	515,500	611,000	519,000	523,500	455,667	469,500	479,667	458,000
28		540,667	545,000	537,000	531,250	549,000	354,000	509,000	523,500	455,667	469,500	472,000	431,000
29		540,667		537,000	531,250	549,000	677,000	482,000	478,000	564,000	469,500	447,000	431,000
30		540,667		568,000	531,250	549,000	385,000	482,000	490,500	470,000	469,500	454,333	468,500
31		533,000		548,000		529,000		556,000	490,500		456,000		468,500
Total		16,875,000	15,221,000	16,860,000	16,148,750	16,315,250	15,689,000	15,985,000	15,208,000	14,210,000	14,204,000	13,879,333	14,223,000
Ave		544,355	543,607	543,871	538,292	526,298	528,630	516,385	490,581	473,667	458,194	462,644	458,806
Gal/Hr.		22,681	22,650	22,661	22,429	21,929	22,026	21,485	20,441	19,736	19,091	19,277	19,117
Gal/Min		378	378	378	374	365	367	358	341	329	318	321	319

Supplemental Purge Well Flow Meter Readings 2017

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Prev.	18759	35634	50855	67715		100179	115868	131853	147061		175526	
1		36186	51426	68197	84395	100697	116364		147580		176012	
2	19841	36716	51989		84724	101265	116883	132853		162262	176392	
3		37294		69423	85265	101713	117473	133390	148452	162772	176815	
4			52997	69979	85796		117921	133911				
5	22049			70527		102817	118427		149465	163547		191677
6			54136			103338	119068		149940	163968	178354	192284
7			54714			103880	119578	135302	150427		178804	193193
8	23683	40002	55282		87968			135757	150959			193193
9	24232	40526	55808		88531	105058		136267		165386	179720	193508
10	24789	41051	56306		89041		121099	136776		165857		193886
11	25289		56804	73853					152326	166306		194541
12	25821			74402		106539	122122		152811	166772		195044
13		42688	57973	74926		107064	122593		153304	167231	181578	
14		43238				107708		138802	153776	167627	182017	195935
15		43787	59067		91725	108057		139265	154288		182561	196320
16	27483	44320				108626		139748		168608	182955	196704
17				77052		109130	124707				183406	197192
18				77594	93333		125205	140778	155631	169526	183800	197687
19	29110			78099			125741		156128		184242	198145
20		46491	61744	78614	94290	110698	126267		156723		184806	198603
21			62274	79137		111231		142190	157120	170831	185229	199076
22		47564	62822		95452			142677	157606		185708	199490
23	31288	48116	63354		95963			143126	157936	171824	186157	
24	31859	48628			96511		128297	143675		172282	186593	200276
25	32388	49125		81205	96972		128795	144211	158921	172692		200843
26	32928			81745		113841	129305	144555		173192	188032	201349
27	33479	50310	65525	82270	98003	114452	129824					
28		50855				114806	130333	145602	160288		188504	202669
29			66599			115483		146080	160852		188951	
30	35101		67167		99650	115868	131297			175070		
31	35634		67715		100179		131853	147061		175526		

Supplemental Purge Well
Monthly Analysis: VOC's
2017 Detectable Quantities

Parameter	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Results in ug/L													
Vinyl Chloride			16.8			19.9			20.1		19.2		76.0
Chloromethane			<1.0			<1.0			<1.0		<1.0		0.0
Chloroethane			<1.0			<1.0			<1.0		<1.0		0.0
Methylene Chloride			<1.0			<1.0			<1.0		<1.0		0.0
Dichlorodifluoromethane			<1.0			<1.0			<1.0		<1.0		0.0
Trichloroethylene			<1.0			<1.0			0.57		0.44		1.0
1,1-Dichloroethane			2.16			2.39			2.72		2.59		9.9
1,1-Dichloroethylene			<1.0			<1.0			<1.0		<1.0		0.0
cis-1,2-Dichloroethylene			17.9			20.7			23.5		20.1		82.2
cis-1,3-Dichloropropene			<1.0			<1.0			<1.0		<1.0		0.0
Chlorobenzene			2.22			2.17			2.75		2.46		9.6
Benzene			<1.0			<1.0			0.85		0.82		1.7
Toluene			<1.0			<1.0			<1.0		<1.0		0.0
Chloroform			<1.0			1.03			2.93		2.24		6.2
m-Xylene & p-Xylene			<2.0			<2.0			<1.0		<1.0		0.0
Total VOC's			39.1			46.2			53.4		47.9		187

Final Effluent
Monthly Analysis: VOC's
2017 Detectable Quantities

Parameter	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Results in ug/L													
Vinyl Chloride			<1.0			<1.0			<1.0		<1.0		0
Chloromethane			<1.0			<1.0			<1.0		<1.0		0
Chloroethane			<1.0			<1.0			<1.0		<1.0		0
Methylene Chloride			<1.0			<1.0			<1.0		<1.0		0
Dichlorodifluoromethane			<1.0			<1.0			<1.0		<1.0		0
Trichloroethylene			<1.0			<1.0			<1.0		<1.0		0
1,1-Dichloroethane			<1.0			<1.0			<1.0		<1.0		0
1,1-Dichloroethylene			<1.0			<1.0			<1.0		<1.0		0
cis-1,2-Dichloroethylene			<1.0			<1.0			<1.0		<1.0		0
cis-1,3-Dichloropropene			<1.0			<1.0			<1.0		<1.0		0
Chlorobenzene			<1.0			<1.0			<1.0		<1.0		0
Benzene			<1.0			<1.0			<1.0		<1.0		0
Toluene			<1.0			<1.0			<1.0		<1.0		0.0
Chloroform			<1.0			1.01			6.01		1.89		8.9
Bromodichloromethane			<1.0			<1.0			3.66		1.21		4.9
m-Xylene & p-Xylene			<2.0			<2.0			<1.0		<1.0		0
Total VOC's			0			1.01			9.67		3.1		13.8

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT
ANNUAL SUMMARIES: 2017

Well No.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
B-4												
B-21												
EW-3D			802.63			786.73			793.13			
EW-8			808.04			800.24			796.74			
EW-9			#VALUE!			799.91			796.41			
EW-11												
EW-12												
EW-14			809.04			791.24			798.84			
MMW-3			807.52			799.52			795.12			
MMW-6D			809.25			802.05			798.55			
MMW-8D												
MMW-9D			821.17									
MMW-7S			810.11			802.21			802.41			
MMW-7D			811.18			805.68			798.88			
MMW-11												
MMW-12												
MMW-13D			#VALUE!			801.69			798.59			
MMW-21			809.56			802.76			799.06			
MMW-22D			809.13			801.93			798.23			
MMW-25D									799.62			
MMW-29			811.11									
MMW-30			807.37			799.17			795.67			
MMW-31												
MMW-32			#VALUE!			799.65			796.25			
MMW-33			807.07			798.37			795.67			
MMW-34			807.37			799.47			795.97			
MMW-35			807.84			800.14			796.34			
SPV			806.17			798.27			794.87			

GROUNDWATER DEPTHS
VILLAGE OF ENDICOTT
ANNUAL SUMMARIES: 2017

Well No.	Jan.	Feb	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
B-4												
B-21												
EW-3D			15.7			31.6			25.2			
EW-8			15.3			23.1			26.6			
EW-9			N/A			18.7			22.2			
EW-11												
EW-12												
EW-14			14.0			31.8			24.2			
MMW-3			23.0			31.0			35.4			
MMW-6D			17.3			24.5			28.0			
MMW-8D												
MMW-9D			10.9									
MMW-7S			13.1			21.0			20.8			
MMW-7D			12.1			17.6			24.4			
MMW-11												
MMW-12												
MMW-13D			N/A			12.6			15.7			
MMW-21			25.0			31.8			35.5			
MMW-22D			22.7			29.9			33.6			
MMW-25D									21.9			
MMW-29			5.4									
MMW-30			16.1			24.3			27.8			
MMW-31												
MMW-32			N/A			10.2			13.6			
MMW-33			12.3			21.0			23.7			
MMW-34			8.0			15.9			19.4			
MMW-35			12.5			20.2			24.0			
SPV			16.2			24.1			27.5			

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT

SAMPLED BY: J. Greene

DATE: 6/27/2017

Well No.	Time	(TOR) Elevation	Water Depth	Water Elevation	
B-4					
B-21					
EW-3D		818.33	31.6	786.73	
EW-8		823.34	23.1	800.24	
EW-9		818.61	18.7	799.91	
EW-11					
EW-12		830.33		830.33	
EW-14		823.04	31.8	791.24	
MW-3		830.52	31.0	799.52	
MW-6D		826.55	24.5	802.05	
MW-8D					
MW-9D		832.07		832.07	
MW-7S		823.21	21.0	802.21	
MW-7D		823.28	17.6	805.68	
MW-11		827.61		827.61	
MW-12		829.74		829.74	
MW-13D		814.29	12.6	801.69	
MW-21		834.56	31.8	802.76	
MW-22D		831.83	29.9	801.93	
MW-25D		821.52		821.52	
MW-29		816.51		816.51	
MW-30		823.47	24.3	799.17	
MW-31		823.00		823.00	
MW-32		809.85	10.2	799.65	
MW-33		819.37	21.0	798.37	
MW-34		815.37	15.9	799.47	
MW-35		820.34	20.2	800.14	
SPW		822.37	24.1	798.27	

GROUNDWATER ELEVATIONS
VILLAGE OF ENDICOTT

SAMPLED BY: J. Greene

DATE: 9/22/2017

Well No.	Time	(TOR) Elevation	Water Depth	Water Elevation	Comments
B-4					
B-21					
EW-3D		818.33	25.2	793.13	
EW-8		823.34	26.6	796.74	
EW-9		818.61	22.2	796.41	
EW-11					
EW-12		830.33		830.33	
EW-14		823.04	24.2	798.84	
MW-3		830.52	35.4	795.12	
MW-6D		826.55	28.0	798.55	
MW-8D					
MW-9D		832.07		832.07	Plugged
MW-7S		823.21	20.8	802.41	
MW-7D		823.28	24.4	798.88	
MW-11		827.61		827.61	
MW-12		829.74		829.74	
MW-13D		814.29	15.7	798.59	
MW-21		834.56	35.5	799.06	
MW-22D		831.83	33.6	798.23	
MW-25D		821.52	21.9	799.62	
MW-29		816.51		816.51	
MW-30		823.47	27.8	795.67	
MW-31		823.00		823.00	
MW-32		809.85	13.6	796.25	
MW-33		819.37	23.7	795.67	
MW-34		815.37	19.4	795.97	
MW-35		820.34	24.0	796.34	
SPW		822.37	27.5	794.87	



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

J711305

Village of Endicott WWTP

Project Name: Quarterly SPW EFF EPA 624

Philip Grayson
1009 East Main Street
Endicott, NY 13760

Project / PO Number: N/A
Received: 09/14/2017
Reported: 10/04/2017

Analytical Testing Parameters

Client Sample ID: SPW 091317G
Sample Matrix: Wastewater
Lab Sample ID: J711305-01

Collected By: PG-Client
Collection Date: 09/13/2017 8:17

Analyses Subcontracted to: Microbac Laboratories, Inc. - Ohio Valley

	Result	MDL	RL	Units	Note	Prepared	Analyzed
Method: E624							09/21/17 0325
1,1,1-Trichloroethane	<0.250	0.250	5.00	ug/L			09/21/17 0325
1,1,2,2-Tetrachloroethane	<0.200	0.200	5.00	ug/L			09/21/17 0325
1,1,2-Trichloroethane	<0.250	0.250	5.00	ug/L			09/21/17 0325
1,1-Dichloroethane	2.72	0.125	5.00	ug/L	J		09/21/17 0325
1,1-Dichloroethene	<0.500	0.500	5.00	ug/L	J		09/21/17 0325
1,2-Dichlorobenzene	0.306	0.125	5.00	ug/L			09/21/17 0325
1,2-Dichloroethane	<0.250	0.250	5.00	ug/L			09/21/17 0325
1,2-Dichloropropane	<0.200	0.200	5.00	ug/L			09/21/17 0325
1,3-Dichlorobenzene	<0.250	0.250	5.00	ug/L			09/21/17 0325
1,4-Dichlorobenzene	0.385	0.125	5.00	ug/L	J		09/21/17 0325
2-Chloroethyl vinyl ether	<5.00	5.00	10.0	ug/L			09/21/17 0325
Benzene	0.850	0.125	5.00	ug/L	J		09/21/17 0325
Bromodichloromethane	<0.250	0.250	5.00	ug/L			09/21/17 0325
Bromoform	<0.500	0.500	5.00	ug/L			09/21/17 0325
Bromomethane	<0.500	0.500	10.0	ug/L			09/21/17 0325
Carbon tetrachloride	<0.250	0.250	5.00	ug/L			09/21/17 0325
Chlorobenzene	2.75	0.125	5.00	ug/L	J		09/21/17 0325
Chloroethane	0.621	0.500	10.0	ug/L	J		09/21/17 0325
Chloroform	2.93	0.125	5.00	ug/L	J		09/21/17 0325
Chloromethane	<0.500	0.500	10.0	ug/L			09/21/17 0325
cis-1,2-Dichloroethene	23.5	0.250	1.00	ug/L			09/21/17 0325
cis-1,3-Dichloropropene	<0.250	0.250	1.00	ug/L			09/21/17 0325
Dibromochloromethane	<0.250	0.250	5.00	ug/L			09/21/17 0325
Dichlorodifluoromethane	<0.250	0.250	1.00	ug/L			09/21/17 0325
Ethyl benzene	<0.250	0.250	5.00	ug/L			09/21/17 0325
m-,p-Xylene	<0.500	0.500	1.00	ug/L			09/21/17 0325
Methyl tert-butyl ether	<0.500	0.500	1.00	ug/L			09/21/17 0325
Methylene chloride	<0.250	0.250	5.00	ug/L			09/21/17 0325
o-Xylene	<0.250	0.250	1.00	ug/L			09/21/17 0325
Tetrachloroethene	<0.250	0.250	5.00	ug/L			09/21/17 0325
Toluene	<0.250	0.250	5.00	ug/L			09/21/17 0325
trans-1,2-Dichloroethene	0.353	0.250	5.00	ug/L	J		09/21/17 0325
trans-1,3-Dichloropropene	<0.500	0.500	5.00	ug/L			09/21/17 0325
Trichloroethene	0.571	0.250	5.00	ug/L	J		09/21/17 0325
Trichlorofluoromethane	<0.250	0.250	10.0	ug/L			09/21/17 0325

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Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

J711305

Client Sample ID:	SPW 091317G	Collected By:	PG-Client
Sample Matrix:	Wastewater	Collection Date:	09/13/2017 8:17
Lab Sample ID:	J711305-01		

	Result	MDL	RL	Units	Note	Prepared	Analyzed
Vinyl chloride	20.1	0.250	10.0	ug/L			09/21/17 0325
Xylenes	<0.500	0.500	1.00	ug/L			09/21/17 0325
Surrogate: 1,2-Dichloroethane-d4	105		Limit: 63-140	% Rec			09/21/17 0325
Surrogate: p-Bromofluorobenzene	113		Limit: 54-123	% Rec			09/21/17 0325
Surrogate: Toluene-d8	112		Limit: 53-142	% Rec			09/21/17 0325



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

J711305

Client Sample ID: EFF 091317G

Sample Matrix: Wastewater

Lab Sample ID: J711305-02

Collected By: PG-Client

Collection Date: 09/13/2017 8:39

Analyses Subcontracted to: Microbac Laboratories, Inc. - Ohio Valley

	Result	MDL	RL	Units	Note	Prepared	Analyzed
Method: E624							
1,1,1-Trichloroethane	<0.250	0.250	5.00	ug/L			09/21/17 0354
1,1,2,2-Tetrachloroethane	<0.200	0.200	5.00	ug/L			09/21/17 0354
1,1,2-Trichloroethane	<0.250	0.250	5.00	ug/L			09/21/17 0354
1,1-Dichloroethane	<0.125	0.125	5.00	ug/L			09/21/17 0354
1,1-Dichloroethene	<0.500	0.500	5.00	ug/L			09/21/17 0354
1,2-Dichlorobenzene	<0.125	0.125	5.00	ug/L			09/21/17 0354
1,2-Dichloroethane	<0.250	0.250	5.00	ug/L			09/21/17 0354
1,2-Dichloropropane	<0.200	0.200	5.00	ug/L			09/21/17 0354
1,3-Dichlorobenzene	<0.250	0.250	5.00	ug/L			09/21/17 0354
1,4-Dichlorobenzene	<0.125	0.125	5.00	ug/L			09/21/17 0354
2-Chloroethyl vinyl ether	<5.00	5.00	10.0	ug/L			09/21/17 0354
Benzene	<0.125	0.125	5.00	ug/L			09/21/17 0354
Bromodichloromethane	3.66	0.250	5.00	ug/L	J		09/21/17 0354
Bromoform	<0.500	0.500	5.00	ug/L			09/21/17 0354
Bromomethane	<0.500	0.500	10.0	ug/L			09/21/17 0354
Carbon tetrachloride	<0.250	0.250	5.00	ug/L			09/21/17 0354
Chlorobenzene	<0.125	0.125	5.00	ug/L			09/21/17 0354
Chloroethane	<0.500	0.500	10.0	ug/L			09/21/17 0354
Chloroform	6.01	0.125	5.00	ug/L			09/21/17 0354
Chloromethane	<0.500	0.500	10.0	ug/L			09/21/17 0354
cis-1,2-Dichloroethene	<0.250	0.250	1.00	ug/L			09/21/17 0354
cis-1,3-Dichloropropene	<0.250	0.250	1.00	ug/L			09/21/17 0354
Dibromochloromethane	0.940	0.250	5.00	ug/L	J		09/21/17 0354
Dichlorodifluoromethane	<0.250	0.250	1.00	ug/L			09/21/17 0354
Ethyl benzene	<0.250	0.250	5.00	ug/L			09/21/17 0354
m-,p-Xylene	<0.500	0.500	1.00	ug/L			09/21/17 0354
Methyl tert-butyl ether	<0.500	0.500	1.00	ug/L			09/21/17 0354
Methylene chloride	<0.250	0.250	5.00	ug/L			09/21/17 0354
o-Xylene	<0.250	0.250	1.00	ug/L			09/21/17 0354
Tetrachloroethene	<0.250	0.250	5.00	ug/L			09/21/17 0354
Toluene	<0.250	0.250	5.00	ug/L			09/21/17 0354
trans-1,2-Dichloroethene	<0.250	0.250	5.00	ug/L			09/21/17 0354
trans-1,3-Dichloropropene	<0.500	0.500	5.00	ug/L			09/21/17 0354
Trichloroethene	<0.250	0.250	5.00	ug/L			09/21/17 0354
Trichlorofluoromethane	<0.250	0.250	10.0	ug/L			09/21/17 0354
Vinyl chloride	<0.250	0.250	10.0	ug/L			09/21/17 0354
Xylenes	<0.500	0.500	1.00	ug/L			09/21/17 0354
Surrogate: 1,2-Dichloroethane-d4	105		Limit: 63-140	% Rec			09/21/17 0354
Surrogate: p-Bromofluorobenzene	120		Limit: 54-123	% Rec			09/21/17 0354
Surrogate: Toluene-d8	112		Limit: 53-142	% Rec			09/21/17 0354



Microbac Laboratories, Inc., Sayre Division

CERTIFICATE OF ANALYSIS

J7I1305

Laboratory

SAY: Microbac Laboratories, Inc., Sayre Division

Definitions

J: The analyte was positively identified, but the quantitation was below the RL
MDL: Minimum Detection Limit
RL: Reporting Limit

Microbac Laboratories, Inc. - Ohio Valley

VA ID: 460187

NJ DEP ID: OH004

NY Lab ID No.: 10861

PA DEP ID: 68-01670

Commonwealth of Virginia (VELAP)

New Jersey Department of Environmental Protection

New York State Department of Health

Pennsylvania Department of Environmental Protection

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.

Reviewed and Approved By:

Renee Lantz
Project Manager

Reported: 10/04/2017 23:15

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Client Information				Billing/Invoice:				Analysis Requested				Receiving Info (Lab Use Only)							
Name: Endicott WWTP												Ice: YES NO							
Address: 1009 East Main St												Cooler: YES NO							
Endicott NY												Sample Temp: 2.1°C							
Contact: Dave Kucera												Cooler Seal: YES NO							
Phone: 607-257-5307												Pickup: YES NO							
Project: Quarterly Saw Eff EPA 624												Dropoff: C W							
Quote ID:				PO#:								Accepted? YES NO							
Rush TAT Bus. Days: <2 2-5 5-7 7-10				Date Req.:															
Carbon Copy: Yes												Container Material							
Email Results: Yes												Container Size (in Mt)							
Fax Results: Yes												Preservative							
Sample Information								Number of Containers for Analysis Requested								Comments/Field Data			
Description/Location		Date	Time	Initial	Matrix	Type													
1 SPW0913176		9/13/17	8:17pm	DK	WW	WW													
2 EFF0913176		9/13/17	8:39pm	DK	WW	WW													
3																			
4																			
5																			
6																			
7																			
8																			

Print Name and Company		Signature	Date/Time	Comments
Received	DAVE KUCERA EWTP	<i>Dave Kucera</i>	9/13/17	
Received	J. PACHANZA - MCI	<i>J. Pachanza</i>	9/14/17 1440	
Received:	J. PACHANZA - MCI	<i>J. Pachanza</i>	9/14/17 1515	
Received:	Bethany Robinson MCI	<i>Bethany Robinson</i>	9/14/17 1555	

Microbac Laboratories (MNY) may be unable to perform a portion of the requested testing in which case we will subcontract the analysis to another accredited laboratory. By signing this document you are attesting that you have been informed by MNY of the intent to subcontract and are in agreement with this action.

Bethany Robinson MCI 9/14/17 1608



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J7K1415

Village of Endicott WWTP

Project Name: Sample Analysis

Philip Grayson
1009 East Main Street
Endicott, NY 13760

Project / PO Number: N/A
Received: 11/15/2017
Reported: 11/26/2017

Analytical Testing Parameters

Client Sample ID: SPW111517 G
Sample Matrix: Wastewater
Lab Sample ID: J7K1415-01

Collected By: DK-Client
Collection Date: 11/15/2017 7:28

Analyses Subcontracted to: Microbac Laboratories, Inc. - Ohio Valley

	Result	MDL	RL	Units	Note	Prepared	Analyzed
Method: E624							
1,1,1-Trichloroethane	<0.250	0.250	5.00	ug/L			11/18/17 0858
1,1,2,2-Tetrachloroethane	<0.200	0.200	5.00	ug/L			11/18/17 0858
1,1,2-Trichloroethane	<0.250	0.250	5.00	ug/L			11/18/17 0858
1,1-Dichloroethane	2.59	0.125	5.00	ug/L	J		11/18/17 0858
1,1-Dichloroethene	<0.500	0.500	5.00	ug/L			11/18/17 0858
1,2-Dichlorobenzene	0.307	0.125	5.00	ug/L	J		11/18/17 0858
1,2-Dichloroethane	<0.250	0.250	5.00	ug/L			11/18/17 0858
1,2-Dichloropropane	<0.200	0.200	5.00	ug/L			11/18/17 0858
1,3-Dichlorobenzene	<0.250	0.250	5.00	ug/L			11/18/17 0858
1,4-Dichlorobenzene	0.328	0.125	5.00	ug/L	J		11/18/17 0858
2-Chloroethyl vinyl ether	<5.00	5.00	10.0	ug/L			11/18/17 0858
Benzene	0.818	0.125	5.00	ug/L	J		11/18/17 0858
Bromodichloromethane	<0.250	0.250	5.00	ug/L			11/18/17 0858
Bromoform	<0.500	0.500	5.00	ug/L			11/18/17 0858
Bromomethane	<0.500	0.500	10.0	ug/L			11/18/17 0858
Carbon tetrachloride	<0.250	0.250	5.00	ug/L			11/18/17 0858
Chlorobenzene	2.46	0.125	5.00	ug/L	J		11/18/17 0858
Chloroethane	<0.500	0.500	10.0	ug/L			11/18/17 0858
Chloroform	2.24	0.125	5.00	ug/L	J		11/18/17 0858
Chloromethane	<0.500	0.500	10.0	ug/L			11/18/17 0858
cis-1,2-Dichloroethene	20.1	0.250	1.00	ug/L			11/18/17 0858
cis-1,3-Dichloropropene	<0.250	0.250	1.00	ug/L			11/18/17 0858
Dibromochloromethane	<0.250	0.250	5.00	ug/L			11/18/17 0858
Dichlorodifluoromethane	<0.250	0.250	1.00	ug/L			11/18/17 0858
Ethyl benzene	<0.250	0.250	5.00	ug/L			11/18/17 0858
m,p-Xylene	<0.500	0.500	1.00	ug/L			11/18/17 0858
Methyl tert-butyl ether	<0.500	0.500	1.00	ug/L			11/18/17 0858
Methylene chloride	<0.250	0.250	5.00	ug/L			11/18/17 0858
o-Xylene	<0.250	0.250	1.00	ug/L			11/18/17 0858
Tetrachloroethene	<0.250	0.250	5.00	ug/L			11/18/17 0858
Toluene	<0.250	0.250	5.00	ug/L			11/18/17 0858
trans-1,2-Dichloroethene	<0.250	0.250	5.00	ug/L			11/18/17 0858
trans-1,3-Dichloropropene	<0.500	0.500	5.00	ug/L			11/18/17 0858
Trichloroethene	0.441	0.250	5.00	ug/L	J		11/18/17 0858
Trichlorofluoromethane	<0.250	0.250	10.0	ug/L			11/18/17 0858

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Page 1 of 5



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J7K1415

Client Sample ID: SPW111517 G

Sample Matrix: Wastewater

Lab Sample ID: J7K1415-01

Collected By: DK-Client

Collection Date: 11/15/2017 7:28

	Result	MDL	RL	Units	Note	Prepared	Analyzed
Vinyl chloride	19.2	0.250	10.0	ug/L			11/18/17 0858
Xylenes	<0.500	0.500	1.00	ug/L			11/18/17 0858
Surrogate: 1,2-Dichloroethane-d4	97.3		Limit: 63-140	% Rec			11/18/17 0858
Surrogate: p-Bromofluorobenzene	97.2		Limit: 54-123	% Rec			11/18/17 0858
Surrogate: Toluene-d8	103		Limit: 53-142	% Rec			11/18/17 0858



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J7K1415

Client Sample ID: EFF111517 G

Sample Matrix: Wastewater

Lab Sample ID: J7K1415-02

Collected By: DK-Client

Collection Date: 11/15/2017 7:33

Analyses Subcontracted to: Microbac Laboratories, Inc. - Ohio Valley

	Result	MDL	RL	Units	Note	Prepared	Analyzed
Method: E624							
1,1,1-Trichloroethane	<0.250	0.250	5.00	ug/L			11/18/17 0925
1,1,2,2-Tetrachloroethane	<0.200	0.200	5.00	ug/L			11/18/17 0925
1,1,2-Trichloroethane	<0.250	0.250	5.00	ug/L			11/18/17 0925
1,1-Dichloroethane	<0.125	0.125	5.00	ug/L			11/18/17 0925
1,1-Dichloroethene	<0.500	0.500	5.00	ug/L			11/18/17 0925
1,2-Dichlorobenzene	<0.125	0.125	5.00	ug/L			11/18/17 0925
1,2-Dichloroethane	<0.250	0.250	5.00	ug/L			11/18/17 0925
1,2-Dichloropropane	<0.200	0.200	5.00	ug/L			11/18/17 0925
1,3-Dichlorobenzene	<0.250	0.250	5.00	ug/L			11/18/17 0925
1,4-Dichlorobenzene	<0.125	0.125	5.00	ug/L			11/18/17 0925
2-Chloroethyl vinyl ether	<5.00	5.00	10.0	ug/L			11/18/17 0925
Benzene	<0.125	0.125	5.00	ug/L			11/18/17 0925
Bromodichloromethane	1.21	0.250	5.00	ug/L	J		11/18/17 0925
Bromoform	<0.500	0.500	5.00	ug/L			11/18/17 0925
Bromomethane	<0.500	0.500	10.0	ug/L			11/18/17 0925
Carbon tetrachloride	<0.250	0.250	5.00	ug/L			11/18/17 0925
Chlorobenzene	<0.125	0.125	5.00	ug/L			11/18/17 0925
Chloroethane	<0.500	0.500	10.0	ug/L			11/18/17 0925
Chloroform	1.89	0.125	5.00	ug/L	J		11/18/17 0925
Chloromethane	<0.500	0.500	10.0	ug/L			11/18/17 0925
cis-1,2-Dichloroethene	<0.250	0.250	1.00	ug/L			11/18/17 0925
cis-1,3-Dichloropropene	<0.250	0.250	1.00	ug/L			11/18/17 0925
Dibromochloromethane	0.290	0.250	5.00	ug/L	J		11/18/17 0925
Dichlorodifluoromethane	<0.250	0.250	1.00	ug/L			11/18/17 0925
Ethyl benzene	<0.250	0.250	5.00	ug/L			11/18/17 0925
m-,p-Xylene	<0.500	0.500	1.00	ug/L			11/18/17 0925
Methyl tert-butyl ether	<0.500	0.500	1.00	ug/L			11/18/17 0925
Methylene chloride	<0.250	0.250	5.00	ug/L			11/18/17 0925
o-Xylene	<0.250	0.250	1.00	ug/L			11/18/17 0925
Tetrachloroethene	<0.250	0.250	5.00	ug/L			11/18/17 0925
Toluene	<0.250	0.250	5.00	ug/L			11/18/17 0925
trans-1,2-Dichloroethene	<0.250	0.250	5.00	ug/L			11/18/17 0925
trans-1,3-Dichloropropene	<0.500	0.500	5.00	ug/L			11/18/17 0925
Trichloroethene	<0.250	0.250	5.00	ug/L			11/18/17 0925
Trichlorofluoromethane	<0.250	0.250	10.0	ug/L			11/18/17 0925
Vinyl chloride	<0.250	0.250	10.0	ug/L			11/18/17 0925
Xylenes	<0.500	0.500	1.00	ug/L			11/18/17 0925
Surrogate: 1,2-Dichloroethane-d4	96.4		Limit: 63-140	% Rec			11/18/17 0925
Surrogate: p-Bromofluorobenzene	98.2		Limit: 54-123	% Rec			11/18/17 0925
Surrogate: Toluene-d8	103		Limit: 53-142	% Rec			11/18/17 0925



Microbac Laboratories, Inc., New York Division

CERTIFICATE OF ANALYSIS

J7K1415

Laboratory

NY: Microbac Laboratories, Inc., New York Division

Definitions

J: The analyte was positively identified, but the quantitation was below the RL
MDL: Minimum Detection Limit
RL: Reporting Limit

Project Requested Certification(s)

Microbac Laboratories, Inc., New York Division

NY Lab ID No.: 10795

New York State Department of Health

Microbac Laboratories, Inc. - Ohio Valley

VA ID: 460187

Commonwealth of Virginia (VELAP)

NJ DEP ID: OH004

New Jersey Department of Environmental Protection

NY Lab ID No.: 10861

New York State Department of Health

PA DEP ID: 68-01670

Pennsylvania Department of Environmental Protection

Report Comments

Samples were received in proper condition and the reported results conform to applicable accreditation standard unless otherwise noted.

The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included.

Reviewed and Approved By:

Renee Lantz

Project Manager

Reported: 11/26/2017 14:03

Microbac Laboratories, Inc.

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CHAIN OF CUSTODY

MNY Workorder #

Client Information				Billing/Invoice:		Analyte Requested		Receiving Info (Use Only)	
Name:	Endicott WWTP							Ice:	NO
Address:	1009 East Main St							Cooler:	YES NO
Contact:	Dave Kucera							Sample Temp:	YES NO
Phone:	(607) 757-5307							Cooler Seal:	YES NO
Project:	Quarterly Spw-EFF-EPA624							Pickup:	YES NO
Quote ID:	PO#:							Dropoff:	YES NO
Rush TAT Bus. Days: <2 2-5 5-7 7-10				Date Req.:				Accepted?	YES NO
Carbon Copy: Yes								Container Material	
Email Results: Yes voelab@aol.com - graysonpb@hotmail.com								Container Size (in Mil)	
Fax Results: Yes 607-757-5308								Preservative	
Sample Information									
Description/Location	Date	Time	Initial	Matrix	Type	Number of Containers for Analysis Requested		Comments/Field Data	
1 SPW1115176	11/15/17	7:28AM	AK	WW	Grab				
2 EFF1115179	11/15/17	7:33AM	AK	WW	Grab				
3									
4									
5									
6									
7									
8									

Received	Print Name and Company	Signature	Date/Time	Comments
Received	Dave Kucera	<i>Dave Kucera</i>	11/15/17 1525	
Received	E. Turner	<i>E. Turner</i>	11-15-17 1542	
Received	J. Raczka	<i>J. Raczka</i>	11/15/17 1640	
Received	Cecyle Atkinson	<i>Cecyle Atkinson</i>	11/15/17/1640	



J7K1415