

Landfill

W

Miller

snyder

TELLER

Rosini

Mahare

Stethive

F. KEY
JR

F. KEY
SR

Duffy Hollow

GREEN

GREEN

BAUER

58'	Yellow
150'	Green
120'	Yellow
6'	Yellow
130'	Green
97'	Green

ANALYTICAL RESULTS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION GAS CHROMATOGRAPHY/MASS SPECTROMETRY PRIORITY POLLUTANT ANALYSES

Report Date: 4/20/83

ACID/PHENOLICS

COMPOUND	METHOD DETECTION LIMIT ($\mu\text{g/l}$)	SAMPLE IDENTIFICATION
		R-0951-01
2-chlorophenol	66	ND
2,4-dichlorophenol	54	ND
2,4-dimethylphenol	54	ND
4,6-dinitro-o-cresol	480	ND
2,4-dinitrophenol	840	ND
2-nitrophenol	72	ND
4-nitrophenol	48	ND
p-chloro-m-cresol	60	ND
pentachlorophenol	72	ND
phenol	30	550 $\mu\text{g/l}$
2,4,6-trichlorophenol	54	ND

ADDITIONAL SAMPLE INFORMATION

Sample Date	3/25/83
Extraction Date	4/4/83
Analysis Date	4/11/83
Internal Standard (IS) - Level	20 $\mu\text{g/l}$
deuterated phenanthrene - Recovery	110%
Surrogate Standard (SS1) - Level	137 $\mu\text{g/l}$
2-fluorophenol - Recovery	140%
Surrogate Standard (SS2) - Level	77 $\mu\text{g/l}$
pentafluorophenol - Recovery	200%

FOR RECRA ENVIRONMENTAL LABORATORIES

DATE 4/20/83 *Timothy N. Baker*



ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
GAS CHROMATOGRAPHY/MASS SPECTROMETRY
PRIORITY POLLUTANT ANALYSES

Report Date: 4/20/83

BASE/NEUTRALS

COMPOUND	METHOD DETECTION LIMIT (ug/l)	SAMPLE IDENTIFICATION
		R-0951-01
acenaphthene	38	BMDL
acenaphthylene	70	ND
anthracene	38	ND
benzidine	880	ND
benzo(a)anthracene	156	ND
benzo(a)pyrene	50	ND
benzo(b)fluoranthene	96	ND
benzo(g,h,i)perylene	82	ND
benzo(k)fluoranthene	50	ND
bis(2-chloroethoxy)methane	106	ND
bis(2-chloroethyl)ether	114	ND
bis(2-chloroisopropyl)ether	114	ND
bis(2-ethylhexyl)phthalate	50	ND
4-bromophenylphenylether	38	ND
butylbenzylphthalate	50	ND
2-chloronaphthalene	38	ND
4-chlorophenylphenylether	82	ND
chrysene	50	ND
dibenzo(a,h)anthracene	50	ND
1,2-dichlorobenzene	38	BMDL
1,3-dichlorobenzene	38	ND
1,4-dichlorobenzene	88	BMDL
3,3'-dichlorobenzidine	33	ND
diethylphthalate	44Q	BMDL
dimethylphthalate	32	ND
di-n-butylphthalate	50	ND



RECRA ENVIRONMENTAL LABORATORIES

I.D. #83-274

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
GAS CHROMATOGRAPHY/MASS SPECTROMETRY
PRIORITY POLLUTANT ANALYSES

Report Date: 4/20/83

BASE/NEUTRALS

COMPOUND	METHOD DETECTION LIMIT ($\mu\text{g}/1$)	SAMPLE IDENTIFICATION
		R-0951-01
2,6-dinitrotoluene	38	ND
2,4-dinitrotoluene	114	ND
di-n-octylphthalate	50	ND
1,2-diphenylhydrazine	500	ND
fluoranthene	44	ND
fluorene	38	ND
hexachlorobenzene	38	ND
hexachlorobutadiene	18	ND
hexachlorocyclopentadiene	500	ND
hexachloroethane	32	ND
indeno (1,2,3-cd)pyrene	74	ND
isophorone	44	ND
naphthalene	32	33 $\mu\text{g}/1$
nitrobenzene	38	ND
N-nitrosodimethylamine	500	ND
N-nitrosodi-n-propylamine	500	ND
N-nitrosodiphenylamine	38	ND
phenanthrene	108	ND
pyrene	38	ND
1,2,4-trichlorobenzene	38	ND

ADDITIONAL SAMPLE INFORMATION

Sample Date	3/25/83
Extraction Date	4/4/83
Analysis Date	4/11/83
Internal Standard - Level	20 $\mu\text{g}/1$
deuterated phenanthrene - Recovery	110%
Surrogate Standard (SS3) - Level	144 $\mu\text{g}/1$
decafluorobiphenyl - Recovery	110%
Surrogate Standard (SS4) - Level	102 $\mu\text{g}/1$
2-fluorobiphenyl - Recovery	72%

FOR RECRA ENVIRONMENTAL LABORATORIES

DATE

Timothy R. Baker
4/20/83



RECRA ENVIRONMENTAL LABORATORIES

I.D. #83-274

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
GAS CHROMATOGRAPHY/MASS SPECTROMETRY
PRIORITY POLLUTANT ANALYSES

Report Date: 4/20/83

VOLATILES

COMPOUND	METHOD DETECTION LIMIT ($\mu\text{g}/\text{l}$)	SAMPLE IDENTIFICATION	
		R-0949-09	R-0951-03
acrolein	400	ND	ND
acrylonitrile	400	ND	ND
benzene	4.4	ND	54 $\mu\text{g}/\text{l}$
bromodichloromethane	2.2	ND	ND
bromoform	4.7	ND	ND
bromomethane	10	ND	ND
carbon tetrachloride	2.8	ND	ND
chlorobenzene	6.0	ND	BMDL
chloroethane	10	ND	ND
2-chloroethylvinyl ether	10	ND	ND
chloroform	1.6	ND	BMDL
chloromethane	10	ND	ND
dibromochloromethane	3.1	ND	ND
1,1-dichloroethane	4.7	ND	25 $\mu\text{g}/\text{l}$
1,2-dichloroethane	2.8	ND	ND
1,1-dichloroethylene	2.8	ND	9.2 $\mu\text{g}/\text{l}$
trans-1,2-dichloroethylene	1.6	ND	20,000 $\mu\text{g}/\text{l}$
1,2-dichloropropane	6.0	ND	14 $\mu\text{g}/\text{l}$
1,3-dichloropropene	5.0	ND	BMDL
ethylbenzene	7.2	ND	5,200 $\mu\text{g}/\text{l}$
methylene chloride	2.8	ND	1,300 $\mu\text{g}/\text{l}$
1,1,2,2-tetrachloroethane	6.9	ND	BMDL
tetrachloroethylene	4.1	ND	6.7 $\mu\text{g}/\text{l}$

(Continued)



RECRA ENVIRONMENTAL LABORATORIES

I.D. #83-274

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
GAS CHROMATOGRAPHY/MASS SPECTROMETRY
PRIORITY POLLUTANT ANALYSES

Report Date: 4/20/83

VOLATILES

COMPOUND	METHOD DETECTION LIMIT ($\mu\text{g}/\text{l}$)	SAMPLE IDENTIFICATION	
		R-0949-09	R-0951-03
toluene	6.0	ND	3,400 $\mu\text{g}/\text{l}$
1,1,1-trichloroethane	3.8	ND	ND
1,1,2-trichloroethane	5.0	ND	BMDL
trichloroethylene	1.9	ND	45 $\mu\text{g}/\text{l}$
trichlorofluoromethane	10	ND	13 $\mu\text{g}/\text{l}$
vinyl chloride	10	ND	3,800 $\mu\text{g}/\text{l}$

ADDITIONAL SAMPLE INFORMATION

Sample Date	3/25/83	3/25/83
Analysis Date	4/15/83	4/15/83
Internal Standard - Level	40 $\mu\text{g}/\text{l}$	40 $\mu\text{g}/\text{l}$
Bromochloromethane - Recovery	100%	95%
Internal Standard - Level	40 $\mu\text{g}/\text{l}$	40 $\mu\text{g}/\text{l}$
2-bromo-1-chloropropane - Recovery	98%	100%
Internal Standard - Level	40 $\mu\text{g}/\text{l}$	40 $\mu\text{g}/\text{l}$
1,4-dichlorobutane - Recovery	96%	110%

FOR RECRA ENVIRONMENTAL LABORATORIES

DATE

Timothy R. Baker
4/20/83

RECRA ENVIRONMENTAL LABORATORIES

I.D. #83-274

-13-

ANALYTICAL RESULTS

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ATOMIC ABSORPTION SPECTROPHOTOMETRY
PRIORITY POLLUTANT ANALYSES

Report Date: 4/20/83

METALS

COMPOUND	UNITS OF MEASURE	SAMPLE IDENTIFICATION (DATE)			
		R-0949-02 (3/25/83)	R-0949-05 (3/25/83)	R-0949-08 (3/25/83)	R-0951-02 (3/25/83)
Total antimony	mg/l	<0.02	<0.02	<0.02	<0.02
Total arsenic	mg/l	0.016	<0.005	<0.005	0.020
Total beryllium	mg/l	<0.003	<0.003	<0.003	<0.003
Total cadmium	mg/l	<0.005	0.006	0.005	<0.005
Total chromium	mg/l	0.022	0.004	0.008	0.032
Total copper	mg/l	0.022	0.056	0.010	0.016
Total lead	mg/l	<0.005	<0.005	<0.005	0.180
Total mercury	mg/l	<0.0006	<0.0006	<0.0006	<0.0006
Total nickel	mg/l	<0.05	<0.05	<0.05	<0.05
Total selenium	mg/l	<0.005	<0.005	<0.005	<0.005
Total silver	mg/l	<0.005	<0.005	<0.005	<0.005
Total thallium	mg/l	<0.01	<0.01	<0.01	<0.01
Total zinc	mg/l	0.142	0.066	0.104	0.862

FOR RECRA ENVIRONMENTAL LABORATORIES

DATE

O. V. Finn
4/20/83



RECRA ENVIRONMENTAL LABORATORIES

I.D. #83-274

File : Rosini Residence



Contractor GCA/Technology Division

NYDEC Contract # CF60178

Narrative for GCA 5-668-033

SAMPLE RECEIPT

1. Two (2) samples were received by GCA/Technology Division on April 19, 1984. The requested analyses for the individual samples are detailed below.
2. Upon receipt, the submitted samples were entered in the Master Log Book and assigned GCA Control Numbers as follows:

<u>NYDEC ID</u>	<u>GCA Control No.</u>	<u>Analysis</u>
R-983-014-01	38016A	Volatile organics
	38016B	
	38016C	
	38016D	
R-983-014-02	38017A	
	38017B	
	38017C	
	38017D	

ANALYSIS

Volatile Organics

1. Submitted samples were analyzed for priority pollutant volatile organics employing purge and trap GC/MS analytical techniques (Lab Method 04). The results of analysis are presented on the attached Data Report Sheet. Copies of the reconstructed total ion chromatograms (TIC) of each sample are also provided; surrogate compounds and internal standards have been labeled where appropriate.

QUALITY CONTROL

1. Quality control protocols for the determination of volatile organics in project samples included analysis of a laboratory control sample and the use of surrogate spikes. These results are presented in Tables 1 and 2.

TABLE 1. LABORATORY CONTROL SAMPLE FOR VOLATILE ORGANICS

Parameter	Concentration (ug/l)		Percent Recovery
	Reported	Expected	
Methylene chloride	90	89	101
1,1-Dichloroethane	44	53	83
Chloroform	110	118	93
1,2-Dichloroethane	54	63	86
Bromodichloromethane	44	53	83
Trichloroethylene	100	112	89
Dibromochloromethane	60	54.9	109
Benzene	125	126	104
1,1,2,2-Tetrachloroethane	100	84	119
Toluene	370	357	104
Chlorobenzene	80	96	83
Ethylbenzene	330	325	102

TABLE 2. SURROGATE RECOVERIES-VOLATILE ORGANICS

Sample Identification	GCA Control No.	D ₄ -1,2-dichloroethane	D ₈ -toluene	Bromofluoro benzene
R-983-014-01	38016	110	100	100
R-983-014-02	38017	110	105	105
Method Blank		117	106	102
Laboratory Control Sample		112	122	112
Average Percent Recovery		112	108	105
Relative Standard Deviation(%)		3.0	8.8	5.1

Project 5-668-038GCA Control No. 38016

DATA REPORT SHEET

Purgeables

Sample I.D. R-993-014-01Analysis Date 5/5/84Sample Matrix WaterInstrument Finnigan MAT OWA GC/MSAnalytical Method EPA 624, Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, EPA-600/4-82-057, July 1982.

Parameter	Ion Used To Quantitate	Concentration (µg/l)	Remarks
chloromethane		ND	
bromomethane		ND	
vinyl chloride		ND	
chloroethane		ND	
methylene chloride	84	Trace	
trichlorofluoromethane		ND	
1,1-dichloroethylene		ND	
1,1-dichloroethane		ND	
trans-1,2-dichloroethylene		ND	
chloroform		ND	
1,2-dichloroethane		ND	
1,1,1-trichloroethane		ND	
carbon tetrachloride		ND	
bromodichloromethane		ND	
1,2-dichlorobenzene		ND	
trans-1,3-dichlorobenzene		ND	
trichloroethylene		ND	
dibromochloromethane		ND	
cis-1,2-dichlorobenzene		ND	
1,1,2-trichloroethane		ND	
benzene		ND	
2-chloroethylvinyl ether		ND	
bromobenzene		ND	
tetrachloroethane		ND	
1,1,2,2-tetrachloroethane		ND	
toluene		ND	
chlorobenzene		ND	
ethylbenzene		ND	
1,2-dichlorobenzene		ND	
1,2-dichlorobenzene		ND	
1,4-dichlorobenzene		ND	

ND = < 3 µg/l

Trace = < 10 µg/l

Project 5-668-038GCA Control No. 38017

DATA REPORT SHEET

Purgeables

Sample I.D. R-983-014-02Analysis Date 5/5/84Sample Matrix WaterInstrument Finnigan MAT OWA GC/MSAnalytical Method EPA 624, Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, EPA-600/4-82-057, July 1982.

Parameter	Ion Used To Quantitate	Concentration (ug/l)	Remarks
chloromethane		ND	
bromomethane		ND	
vinyl chloride		ND	
chloroethane		ND	
methylene chloride		ND	
trichlorofluoromethane		ND	
1,1-dichloroethylene		ND	
1,1-dichloroethane		ND	
trans-1,2-dichloroethylene		ND	
chloroform		ND	
1,2-dichloroethane		ND	
1,1,1-trichloroethane		ND	
carbon tetrachloride		ND	
bromodichloromethane		ND	
1,2-dichloropropane		ND	
trans-1,3-dichloropropane		ND	
trichloroethylene		ND	
dibromochloromethane		ND	
cis-1,3-dichloropropane		ND	
1,1,2-trichloroethane		ND	
benzene		ND	
2-chloroethyl vinyl ether		ND	
bromoform		ND	
tetrachloroethene		ND	
1,1,2,2-tetrachloroethene		ND	
toluene		ND	
chlorobenzene		ND	
ethylbenzene		ND	
1,3-dichlorobenzene		ND	
1,2-dichlorobenzene		ND	
1,4-dichlorobenzene		ND	

ND = < 3 ug/l

Project 5-668-038

Analysis Date 5/5/84

DATA REPORT SHEET

Acrolein and Acrylonitrile

CCA Control No.	Sample Identification	Concentration (ug/l)	
		Acrolein	Acrylonitrile
38016	R-983-014-01	< 100	< 100
38017	R-983-014-02	< 100	< 100

Less than ("<") values represent method detection limits.

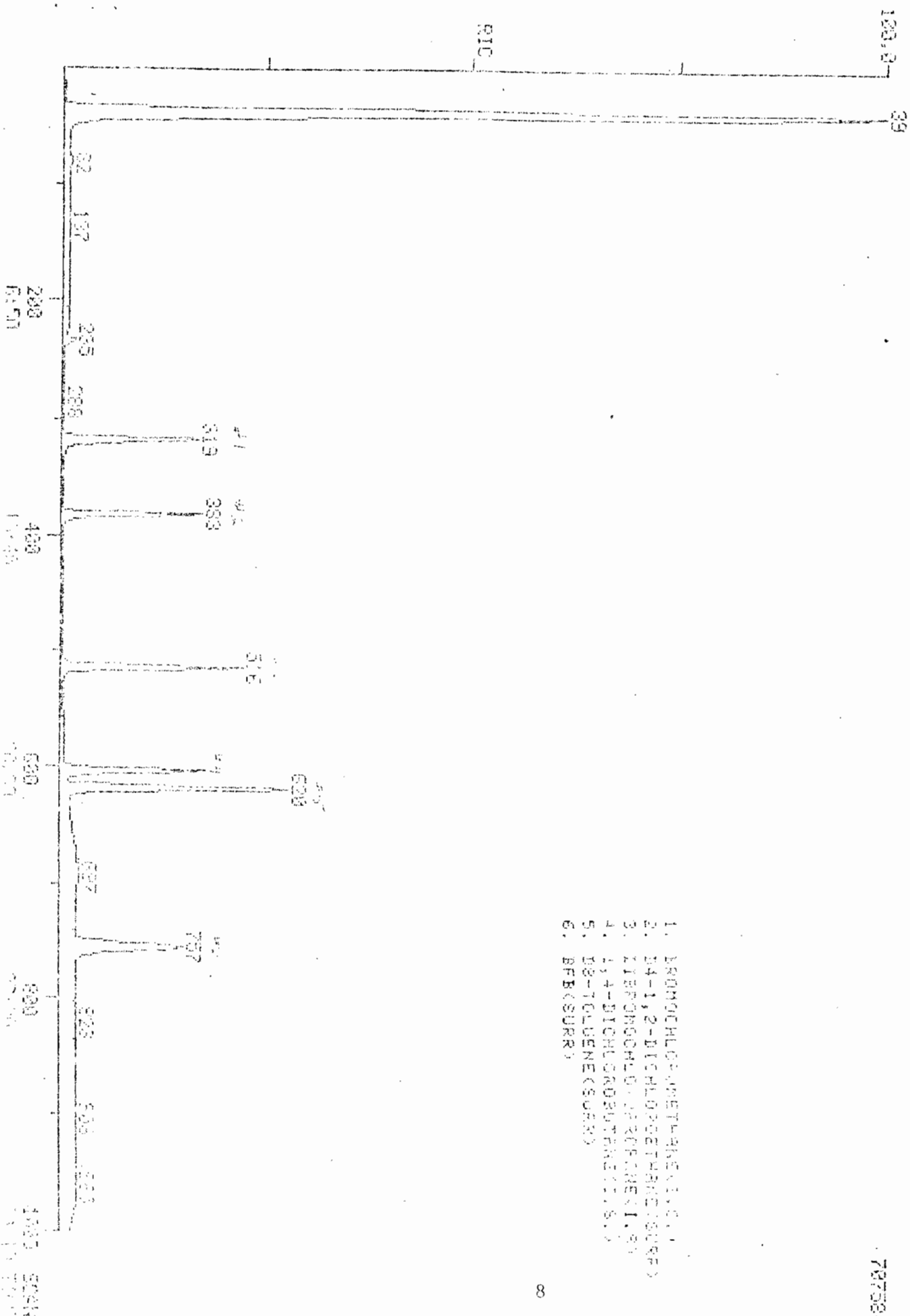
R10
05/04/80 22:01:00
SAMPLE

Ref: 11/15
200/1

SCANS 1 TO 1020

787584.

1. BROMOCHLOROPETRAEOLIC
2. 24-1,2-DICHLOROPETRAEOLIC
3. 1-BROMOCHLOROPETRAEOLIC
4. 1,4-DICHLOROPETRAEOLIC
5. 1,2-DICHLOROPETRAEOLIC
6. BROMOCHLOROPETRAEOLIC



SAMPLE SUBMISSION FORM

CONTRACT LABORATORY NAME: VERSAR

SAMPLING DATE: 11/14/84

DEC REGION NUMBER: 9

DEC I.D. NUMBER: R-984-026-01

TYPE SAMPLE: ☒ GRAB ☐ COMPOSITE

SAMPLE MATRIX: ☐ SURFACE WATER ☐ AIR

☒ GROUND WATER ☐ SOIL/SEDIMENT

☐ WASTEWATER ☐ OTHER (SPECIFY)

ANALYSES REQUESTED: ~~Heavy Metals~~ HEAVY Metals, Volatile Organics

SUBMITTED BY: Bob Wozniak

PHONE NUMBER: 716-847-4585

 *
 * ☐ LAB PERSONNEL ARE EXPECTED TO USE CAUTION WHEN HANDLING ALL
 * DEC SAMPLES, HOWEVER, PLEASE USE SPECIAL PRECAUTIONS WHEN HANDLING THIS
 * SAMPLE SINCE IT IS BELIEVED TO CONTAIN SIGNIFICANT CONCENTRATIONS OF
 * HAZARDOUS AND/OR TOXIC MATERIAL(S).
 *

OTHER SPECIAL INFORMATION: _____

SAMPLE SUBMISSION FORM

CONTRACT LABORATORY NAME: VERSAR

SAMPLING DATE: 11/14/84

DEC REGION NUMBER: 9

DEC I.D. NUMBER: R-984-026-02

TYPE SAMPLE: ☒ GRAB ☐ COMPOSITE

SAMPLE MATRIX: ☐ SURFACE WATER ☐ AIR

☒ GROUND WATER ☐ SOIL/SEDIMENT

☐ WASTEWATER ☐ OTHER (SPECIFY)

ANALYSES REQUESTED: ~~Priority Pollutants~~ ^{EW RW} HEAVY Metals, Volatile Organics

SUBMITTED BY: Robert Wozniak

PHONE NUMBER: 716-847-4585

 *
 * ☐ LAB PERSONNEL ARE EXPECTED TO USE CAUTION WHEN HANDLING ALL *
 * DEC SAMPLES, HOWEVER, PLEASE USE SPECIAL PRECAUTIONS WHEN HANDLING THIS *
 * SAMPLE SINCE IT IS BELIEVED TO CONTAIN SIGNIFICANT CONCENTRATIONS OF *
 * HAZARDOUS AND/OR TOXIC MATERIAL(S). *
 *

OTHER SPECIAL INFORMATION: _____

SAMPLE SUBMISSION FORM

CONTRACT LABORATORY NAME: VERSAR

SAMPLING DATE: 11/14/84

DEC REGION NUMBER: 9

DEC I.D. NUMBER: R-984-026-03

TYPE SAMPLE: ☒ GRAB ☐ COMPOSITE

SAMPLE MATRIX: ☐ SURFACE WATER ☐ AIR

☒ GROUND WATER ☐ SOIL/SEDIMENT

☐ WASTEWATER ☐ OTHER (SPECIFY)

ANALYSIS REQUESTED: ~~Potential Pollutants~~ HEAVY METALS AND Volatile Organics

SUBMITTED BY: Robt. Wozniak

PHONE NUMBER: 716-847-4585

 ★
 ★ ☐ LAB PERSONNEL ARE ENTITLED TO USE CAUTION WHEN HANDLING ALL
 ★ DEC SAMPLES, HOWEVER, PLEASE USE SPECIAL PRECAUTIONS WHEN HANDLING THIS
 ★ SAMPLE SINCE IT IS BELIEVED TO CONTAIN SIGNIFICANT CONCENTRATIONS OF
 ★ HAZARDOUS AND/OR TOXIC MATERIAL(S).
 ★

OTHER SPECIAL INFORMATION: _____

SAMPLE SUBMISSION FORM

CONTRACT LABORATORY NAME: VERSAR

SAMPLING DATE: 11/14/84

DEC REGION NUMBER: 9

DEC I.D. NUMBER: R-984-026-04

TYPE SAMPLE: ☒ GRAB ☐ COMPOSITE

SAMPLE MATRIX: ☐ SURFACE WATER ☐ AIR

☒ GROUND WATER ☐ SOIL/SEDIMENT

☐ WASTEWATER ☐ OTHER (SPECIFY)

ANALYSES REQUESTED: ^{RI} ~~Priority~~ ^{RI} ~~Pollutants~~ Heavy Metals and Volatile Organics

SUBMITTED BY: Bob Wozniak

PHONE NUMBER: 716-849-4585

 *
 * ☐ LAB PERSONNEL ARE EXPECTED TO USE CAUTION WHEN HANDLING ALL
 * DEC SAMPLES, HOWEVER, PLEASE USE SPECIAL PRECAUTIONS WHEN HANDLING THIS
 * SAMPLE SINCE IT IS BELIEVED TO CONTAIN SIGNIFICANT CONCENTRATIONS OF
 * HAZARDOUS AND/OR TOXIC MATERIAL(S).
 *

OTHER SPECIAL INFORMATION: _____

SAMPLE SUBMISSION FORM

CONTRACT LABORATORY NAME: VERSAR

SAMPLING DATE: 11/14/84

DEC REGION NUMBER: Reg. 9 650 Solid Waste

DEC I.D. NUMBER: R 984 - 026 - 05

TYPE SAMPLE: ☒ GRAB ☐ COMPOSITE

SAMPLE MATRIX: ☐ SURFACE WATER ☐ AIR

☒ GROUND WATER ☐ SOIL/SEDIMENT

☐ WASTEWATER ☐ OTHER (SPECIFY)

ANALYSES REQUESTED: HEAVY METALS AND VOLATILE ORGANICS

SUBMITTED BY: Bob Wezniah

PHONE NUMBER: 716 - 847 - 4585

 *
 * ☐ LAB PERSONNEL ARE REQUESTED TO USE CAUTION WHEN HANDLING ALL
 * DEC SAMPLES, ESPECIALLY, PLEASE USE SPECIAL PRECAUTIONS WHEN HANDLING THIS
 * SAMPLE SINCE IT IS BELIEVED TO CONTAIN SIGNIFICANT CONCENTRATIONS OF
 * HAZARDOUS AND/OR TOXIC MATERIAL(S).
 *

OTHER SPECIAL INFORMATION: _____

SAMPLE SUBMISSION FORM

CONTRACT LABORATORY NAME: VERSAR

SAMPLING DATE: 11/14/84

DEC REGION NUMBER: 9

DEC I.D. NUMBER: R984-026-06

TYPE SAMPLE: ☒ GRAB ☐ COMPOSITE

SAMPLE MATRIX: ☐ SURFACE WATER ☐ AIR

☒ GROUND WATER ☐ SOIL/SEDIMENT

☐ WASTEWATER ☐ OTHER (SPECIFY)

ANALYSES REQUESTED: HEAVY METALS AND VOLATILE ORGANICS

SUBMITTED BY: BOB WOZNIAK

PHONE NUMBER: 716-847-4585

 *
 * ☐ LAB PERSONNEL ARE INSTRUCTED TO USE CAUTION WHEN HANDLING ALL
 * DEC SAMPLES, HOWEVER, PLEASE USE SPECIAL PRECAUTIONS WHEN HANDLING THIS
 * SAMPLE SINCE IT IS BELIEVED TO CONTAIN SIGNIFICANT CONCENTRATIONS OF
 * HAZARDOUS AND/OR TOXIC MATERIAL(S).
 *

OTHER SPECIAL INFORMATION: _____

SAMPLE SUBMISSION FORM

CONTRACT LABORATORY NAME: VERSAR

SAMPLING DATE: 11/14/84

DEC REGION NUMBER: 9

DEC I.D. NUMBER: R984-026-07

TYPE SAMPLE:	☒ GRAB	☐ COMPOSITE
SAMPLE MATRIX:	☐ SURFACE WATER	☐ AIR
	☒ GROUND WATER	☐ SOIL/SEDIMENT
	☐ WASTEWATER	☐ OTHER (SPECIFY)

ANALYSES REQUESTED: HEAVY METALS and Volatile Organics

SUBMITTED BY: Bob Wozniak

PHONE NUMBER: 716-847-4585

 *
 * ☐ LAB PERSONNEL ARE REQUESTED TO USE CAUTION WHEN HANDLING ALL
 * DEC SAMPLES, ESPECIALLY, PLEASE USE SPECIAL PRECAUTIONS WHEN HANDLING THIS
 * SAMPLE SINCE IT IS BELIEVED TO CONTAIN SIGNIFICANT CONCENTRATIONS OF
 * HAZARDOUS AND/OR TOXIC MATERIAL(S).
 *

OTHER SPECIAL INFORMATION: _____

F. KELLEY JR.	R 984 - 026 - 01
L. FANTON	R 984 - 026 - 02
A. GREEN	R 984 - 026 - 03
H. BAWER	R 984 - 026 - 04
R. ROSINI	R 984 - 026 - 05
B. LADUE	R 984 - 026 - 06
R. TELLER	R 984 - 026 - 07

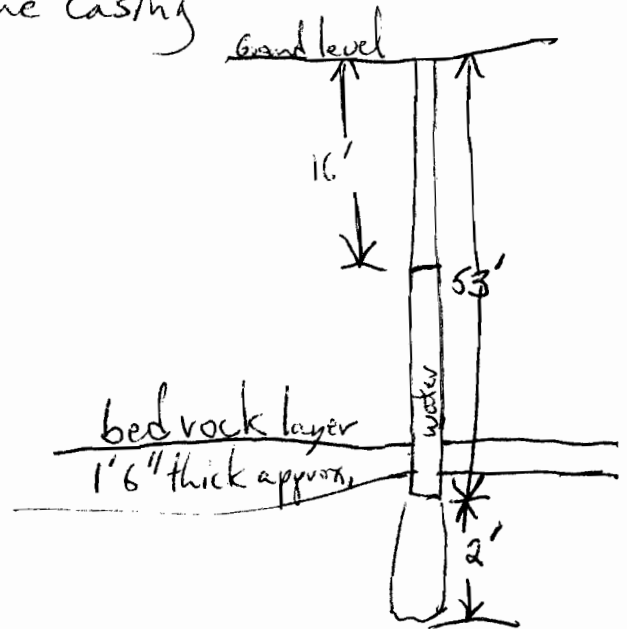
PETER,

The Above ARE the appropriate sample numbers
for the referenced wells
Wellsville - ANDOVER LANDFILL

Bob Woenigle

Well information on Fred Kelly Jr. residence.

Well was drilled in 1976 to the depth of 55'
8" well casing to the depth of 53'
water depth in the casing - 16' from ground level
to the top of water level in the casing



All three of these wells are in about the same bedrock layer. The soils above are typical on the end of the road. 50' of the same material seen on the creek bank behind the houses with a little clay mixed in.

Well information on (Robert) Leon Fenton residence

Well was drilled in ~~1978~~¹⁹⁷⁵ to the depth of 55'
8" well casing to the depth of 54'
water depth in the casing - 19' from ground level to the top of
water level in the casing.

RL

Well information on Fred C Kelley Sr. residence.

Well was drilled in 1954 to the depth of 53'
8" well casing to the depth of 51'. Casing is on bedrock.
water depth in the casing is unknown

LE

Barb & Dan LaDoe

13 2nd Street

Hilton NY

14468

9/3/87

Clean Wellfield 905014

Supplier of carbon filters,
service etc. for Clean Private
wells

PureTech Inc.

13 Silicon Way

Bradford, PA 16701

Att: Greg Huber

814 - 362 3871

JF

P.S. I have prices, agreement
etc. for these -

7

Important Message

For	<i>Peter</i>		
Date	<i>9/1/87</i>	Time	<i>202</i> AM PM
While You Were Away			
Name	<i>Barb Ladd</i>		
Of	<i>1530</i> <i>730</i>		
Phone No.	<i>723-1227</i>		
☐ Telephoned You ☒ Visited You ☐ Wants To See You ☐ Urgent ☒ Please Phone <i>John/He</i> ☐ Will Phone Again ☐ Will Visit Again ☐ _____			
Message: _____ _____ _____ _____			
00-12-60	Signed <i>L</i>		

13 2ND ST

HILTON, NY 14468

0720

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 841002690 SAMPLE RECEIVED: 84/11/16/09
PROGRAM: 650:DEC SOLID WASTES
SOURCE ID: DRAINAGE BASIN: GAZEITEER CODE: 0275
POLITICAL SUBDIVISION: WELLSVILLE COUNTY: ALLEGANY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: T. WELLSVILLE 04 GENESEE WELLSVILLE ANDOVER LANDFILL
DESCRIPTION: F KELLEY JR. WELL R984-026-01
REPORTING LAB: 10: LABORATORY OF INORGANIC ANALYTICAL CHEMISTRY - ALBANY
TEST PATTERN: 10-999: NON SPECIFIC TEST PATTERN
SAMPLE TYPE: 120: PRIVATE WATER SUPPLY - DRILLED WELL
TIME OF SAMPLING: 84/11/14 08:45 DATE PRINTED: 84/12/05

PARAMETER	RESULT
01FREDN FREDN SOLUBLE MATTER	3.8 MG/L
01PHENOL PHENOLS	< 1. MCG/L

**** END OF REPORT ****

COPIES SENT TO: CO(1), RO(1), LPHE(1), FED(0), INFO-P(0), INFO-L(1)

N.Y.S. DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 9
600 DELAWARE AVE.
BUFFALO, N.Y. 14202

SUBMITTED BY: WOZNIAK

0716

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 841002685 SAMPLE RECEIVED: 84/11/16/09
PROGRAM: 650: DEC SOLID WASTES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0275
POLITICAL SUBDIVISION: WELLSVILLE COUNTY: ALLEGANY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: T. WELLSVILLE 04 GENESEE WELLSVILLE ANDOVER LANDFILL
DESCRIPTION: MR. ARNOLD GREEN WELL DUFFY HOLLOW RD. R984-026-03
REPORTING LAB: 10: LABORATORY OF INORGANIC ANALYTICAL CHEMISTRY - ALBANY
TEST PATTERN: 10-999: NON SPECIFIC TEST PATTERN
SAMPLE TYPE: 120: PRIVATE WATER SUPPLY - DRILLED WELL
TIME OF SAMPLING: 84/11/14 11: DATE PRINTED: 84/12/05

PARAMETER	RESULT
01FREDN FREON SOLUBLE MATTER	2.1 MG/L
01PHENOL PHENOLS	< 1. MCG/L

**** END OF REPORT ****

COPIES SENT TO: CO(1), RU(1), LPHE(1), FED(0), INFO-P(0), INFO-L(0)

N.Y.S. DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 9
600 DELAWARE AVE.
BUFFALO, N.Y. 14202

SUBMITTED BY: WOZNIAK

0717

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 841002686 SAMPLE RECEIVED: 84/11/16/09
PROGRAM: 650:DEC SOLID WASTES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0275
POLITICAL SUBDIVISION: WELLSVILLE COUNTY: ALLEGANY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: T. WELLSVILLE 04 GENESEE WELLSVILLE ANDOVER LANDFILL
DESCRIPTION: 45. ROSALIE RUSINI WELL, SNYDER ROAD R984-026-05
REPORTING LAB: 10: LABORATORY OF INORGANIC ANALYTICAL CHEMISTRY - ALBANY
TEST PATTERN: 10-999: NON SPECIFIC TEST PATTERN
SAMPLE TYPE: 120: PRIVATE WATER SUPPLY - DRILLED WELL
TIME OF SAMPLING: 84/11/14 08: DATE PRINTED: 84/12/05

PARAMETER	RESULT
01FREON FREON SOLUBLE MATTER	4.0 MG/L
01PHENOL PHENOLS	< 1.0 MCG/L

**** END OF REPORT ****

COPIES SENT TO: CO(1), RO(1), LPHE(1), FED(0), INFO-P(0), INFO-L(0)

N.Y.S. DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 9
600 DELAWARE AVE.
BUFFALO, N.Y. 14202

SUBMITTED BY: WOZNIAK

0718

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 841002687 SAMPLE RECEIVED: 84/11/16/09
PROGRAM: 650:DEC SOLID WASTES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0275
POLITICAL SUBDIVISION: WELLSVILLE COUNTY: ALLEGANY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: T. WELLSVILLE 04 GENESEE WELLSVILLE ANDOVER LANDFILL
DESCRIPTION: MS. BARBARA LADUE WELL, SNYDER HILL ROAD R984-026-06
REPORTING LAB: 10: LABORATORY OF INORGANIC ANALYTICAL CHEMISTRY - ALBANY
TEST PATTERN: 10-999: NON SPECIFIC TEST PATTERN
SAMPLE TYPE: 130: PRIVATE WATER SUPPLY - SPRING
TIME OF SAMPLING: 84/11/14 09:45 DATE PRINTED: 84/12/05

PARAMETER	RESULT
01FREDN FREDN SOLUBLE MATTER	< 1.0 MG/L
01PHENDL PHENDLS	< 1.0 MCG/L

**** END OF REPORT ****

COPIES SENT TO: CO(1), RO(1), LPHE(1), FED(0), INFO-P(0), INFO-L(0)

N.Y.S. DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 9
600 DELAWARE AVE.
BUFFALO, N.Y. 14202

SUBMITTED BY: WUZNIAK

0719

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 841002689 SAMPLE RECEIVED: 84/11/16/09
PROGRAM: 650:DEC SOLID WASTES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0275
POLITICAL SUBDIVISION: WELLSVILLE COUNTY: ALLEGANY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: T. WELLSVILLE 04 GENESEE WELLSVILLE ANDOVER LANDFILL
DESCRIPTION: MR. RUSSELL TELLER WELL, SNYDER ROAD R984-026-07
REPORTING LAB: 10: LABORATORY OF INORGANIC ANALYTICAL CHEMISTRY - ALBANY
TEST PATTERN: 10-999: NON SPECIFIC TEST PATTERN
SAMPLE TYPE: 120: PRIVATE WATER SUPPLY - DRILLED WELL
TIME OF SAMPLING: 84/11/14 10:15 DATE PRINTED: 84/12/05

PARAMETER	RESULT
01FREON FREON SOLUBLE MATTER	3.4 MG/L
01PHENOL PHENOLS	< 1. MCG/L

**** END OF REPORT ****

COPIES SENT TO: CO(1), RO(1), LPHE(1), FED(0), INFO-P(0), INFO-L(0)

N.Y.S. DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 9
600 DELAWARE AVE.
BUFFALO, N.Y. 14202

SUBMITTED BY: WOZNIAK

1480

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 841002692 SAMPLE RECEIVED: 84/11/16/09
PROGRAM: 650:DEC SOLID WASTES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0275
POLITICAL SUBDIVISION: WELLSVILLE COUNTY: ALLEGANY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: T. WELLSVILLE 04 GENESEE WELLSVILLE ANDOVER LANDFILL
DESCRIPTION: LEON FANTON WELL R984-026-02
REPORTING LAB: 10: LABORATORY OF INORGANIC ANALYTICAL CHEMISTRY - ALBANY
TEST PATTERN: 10-999: NON SPECIFIC TEST PATTERN
SAMPLE TYPE: 120: PRIVATE WATER SUPPLY - DRILLED WELL
TIME OF SAMPLING: 84/11/14 09: DATE PRINTED: 84/12/11

PARAMETER	RESULT
01FREDN FREDN SOLUBLE MATTER	4.9 MG/L
01PHENOL PHENOLS	

SL

**** END OF REPORT ****

COPIES SENT TO: CO(1), RU(1), LPHE(1), FED(0), INFO-P(0), INFO-L(0)

N.Y.S. DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 9
600 DELAWARE AVE.
BUFFALO, N.Y. 14202

SUBMITTED BY: WUZNTAK

1479

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER FOR LABORATORIES AND RESEARCH

PAGE 1

RESULTS OF EXAMINATION

FINAL REPORT

SAMPLE ID: 841002688 SAMPLE RECEIVED: 84/11/16/11
PROGRAM: 650:DEC SOLID WASTES
SOURCE ID: DRAINAGE BASIN: GAZETTEER CODE: 0275
POLITICAL SUBDIVISION: WELLSVILLE COUNTY: ALLEGANY
LATITUDE: LONGITUDE: Z DIRECTION:
LOCATION: T. WELLSVILLE, 04 GENESEE, WELLSVILLE/ANDOVER LANDFILL
DESCRIPTION: MR. HENRY RAVER WELL, DUFFY HOLLOW RD. AD R984-026-04
REPORTING LAB: 10: LABORATORY OF INORGANIC ANALYTICAL CHEMISTRY - ALBANY
TEST PATTERN: 10-999: NON SPECIFIC TEST PATTERN
SAMPLE TYPE: 120: PRIVATE WATER SUPPLY - DRILLED WELL
TIME OF SAMPLING: 84/11/14 10:30 DATE PRINTED: 84/12/11

PARAMETER	RESULT
01FREDN FREDN SOLUBLE MATTER	5.2 MG/L
01PHENDL PHENDLS	< 1. MCG/L

**** END OF REPORT ****

COPIES SENT TO: CO(1), RU(1), LPHE(1), FED(0), INFO-P(0), INFO-L(0)

N.Y.S. DEPT. OF ENVIRONMENTAL CONSERVATION
REGION 9
600 DELAWARE AVE.
BUFFALO, N.Y. 14202

SUBMITTED BY: WUZNIAK

SAMPLE INFORMATION

Fill in the information requested below for each sample submitted to a contract laboratory. When completed send this form to Jack Ryan; 50 Wolf Road, Room 317, Albany, New York, 12233. Telephone: (518) 457-7470.

DO NOT WRITE IN THIS AREA

Bob Wozniak 847-4585

NYS

CONTRACT LABORATORY NAME:

VERSAR / DOLH

SAMPLING DATE:

11/14/84

DEC PROGRAM CODE (OR NAME):

650 Solid Waste

DEC REGION NUMBER:

9

COUNTY WHERE SAMPLE WAS COLLECTED:

Allegany

NAME OF SAMPLING POINT:

FRED KELLEY JR. WELL

SAMPLE POINT I.D. NUMBER (NEEDED FOR PROGRAM CODE 525 OR 535 OR 650 SAMPLES ONLY):

R

DEC I.D. NUMBER (CONTACT REGIONAL CODE CUSTODIAN):

R-984-026-01

TYPE SAMPLE:

☒ GRAB

☐ COMPOSITE

SAMPLE MATRIX:

☐ AIR

☐ SOIL/SEDIMENT

☐ SURFACE WATER

☐ WASTEWATER

☒ GROUNDWATER

☐ OTHER (SPECIFY)

ANALYSES REQUESTED: HEAVY METALS, Volatile ORGANICS (Version)

oil/grease and phenols / DCA

DO NOT WRITE BELOW THIS LINE

REPORT DATE:

LAB I.D. NO.:

ACTUAL COST:

PAYMENT MADE:

CONTRACT NO.:

COMMENTS:

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SAMPLE INFORMATION

Fill in the information requested below for each sample submitted to a contract laboratory. When completed send this form to Jack Ryan; 50 Wolf Road, Room 317, Albany, New York, 12233. Telephone: 451-4570.

DO NOT WRITE IN THIS AREA

Bob Wozniak 847-4585

Heavy Metals
Volatile Organics
oil-grease
phenols

CONTRACT LABORATORY NAME: VERSAR / DOH

SAMPLING DATE: 11/14/84

DEC PROGRAM CODE (OR NAME): Solid waste 650

DEC REGION NUMBER: 9

COUNTY WHERE SAMPLE WAS COLLECTED: Allegany

NAME OF SAMPLING POINT: Leon Fenton Well

SAMPLE POINT I.D. NUMBER (NEEDED FOR PROGRAM CODE 525 OR 535 OR 650 SAMPLES ONLY): _____

DEC I.D. NUMBER (CONTACT REGIONAL CODE CUSTODIAN): _____

R-984-026-02

TYPE SAMPLE: ☒ GRS ☐ COMPOSITE

SAMPLE MATRIX: ☐ AIR ☐ SOIL/SEDIMENT

☐ SURFACE WATER ☐ WASTEWATER

☒ GROUNDWATER ☐ OTHER (SPECIFY)

ANALYSIS REQUESTED: Heavy Metals and Volatile Organics / Versar
oil-grease and phenols / DOH

DO NOT WRITE BELOW THIS LINE

REPORT DATE: _____

LAB I.D. NO.: _____

ACTUAL COST: _____

PAYMENT MADE: _____

CONTRACT NO.: _____

COMMENTS: _____

SAMPLE INFORMATION

Fill in the information requested below for each sample submitted to a contract laboratory. When completed send this form to Jack Ryan; 50 Wolf Road, Room 317, Albany, New York, 12233. Telephone: (518) 457-7470.

DO NOT WRITE IN THIS AREA

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Bob Wozniak 847-4585

CONTRACT LABORATORY NAME:

Versar / NYS / DOH

SAMPLING DATE:

11 / 14 / 84

DEC PROGRAM CODE (OR NAME):

Solid WASTE 650

DEC REGION NUMBER:

9

COUNTY WHERE SAMPLE WAS COLLECTED:

Allegany

NAME OF SAMPLING POINT:

Mr. Arnold GREEN Well

SAMPLE POINT I.D. NUMBER (NEEDED FOR PROGRAM CODE 525 OR 535 OR 650 SAMPLES ONLY):

DEC I.D. NUMBER (CONTACT REGIONAL CODE CUSTODIAN):

R-984-026-03

TYPE SAMPLE:

☒ GASE

☐ COMPOSITE

SAMPLE MATRIX:

☐ AIR

☐ SOIL/SEDIMENT

☐ SURFACE WATER

☐ WASTEWATER

☒ GROUNDWATER

☐ OTHER (SPECIFY)

ANALYSES REQUESTED: HEAVY Metal and Volatile Organics / Versar
phenols and oil & GREASE / DOH

DO NOT WRITE BELOW THIS LINE

REPORT DATE:

LAB I.D. NO.:

ACTUAL COST:

PAYMENT MADE:

CONTRACT NO.:

COMMENTS:

SAMPLE INFORMATION

Fill in the information requested below for each sample submitted to a contract laboratory. When completed send this form to Jack Ryan; 50 Wolf Road, Room 317, Albany, New York, 12233. Telephone: (518) 457-7470.

DO NOT WRITE IN THIS AREA

Bob Wozniak 847-4585

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CONTRACT LABORATORY NAME: VERSAR / NYS DOH

SAMPLING DATE: 11 / 14 / 84

DEC PROGRAM CODE (OR NAME): 650 / solid waste

DEC REGION NUMBER: 9

COUNTY WHERE SAMPLE WAS COLLECTED: Allegany

NAME OF SAMPLING POINT: MR. HENRY BALER Well

SAMPLE POINT I.D. NUMBER (NEEDED FOR PROGRAM CODE 525 OR 535 OR 650 SAMPLES ONLY): _____

DEC I.D. NUMBER (CONTRACT REGIONAL CODE CUSTODIAN): _____

R-964 026-04

TYPE SAMPLE: ☒ GRAB ☐ COMPOSITE

SAMPLE MATRIX: ☐ AIR ☐ SOIL/SEDIMENT

☐ SURFACE WATER ☐ WASTEWATER

☒ GROUNDWATER ☐ OTHER (SPECIFY) _____

ANALYSES REQUESTED: HEAVY Metals and Volatile Organics / VERSAR
phenols and oil & GREASE / NYS DOH

DO NOT WRITE BELOW THIS LINE

REPORT DATE: _____

LAB I.D. NO.: _____

ACTUAL COST: _____

PAYMENT MADE: _____

CONTRACT NO.: _____

COMMENTS: _____

SAMPLE INFORMATION

Fill in the information requested below for each sample submitted to a contract laboratory. When completed send this form to Jack Ryan; 50 Wolf Road, Room 317, Albany, New York, 12233. Telephone: (518) 457-7470.

DO NOT WRITE IN THIS AREA

Bob Wozniak

CONTRACT LABORATORY NAME: VERSAR / NYS DOH

SAMPLING DATE: 11/14/84

DEC PROGRAM CODE (OR NAME): 650 Solid Waste

DEC REGION NUMBER: 9

COUNTY WHERE SAMPLE WAS COLLECTED: Allegany

NAME OF SAMPLING POINT: Ms. Rosalie Rosini Well

SAMPLE POINT I.D. NUMBER (NEEDED FOR PROGRAM CODE 525 OR 535 OR 650 SAMPLES ONLY): _____

DEC I.D. NUMBER (CONTACT REGIONAL CODE CUSTODIAN): _____

R-964-026-05

TYPE SAMPLE: ☒ GCE ☐ COMPOSITE

SAMPLE MATRIX: ☐ AIR ☐ SOIL/SEDIMENT

☐ SURFACE WATER ☐ WASTEWATER

☒ GROUNDWATER ☐ OTHER (SPECIFY) _____

ANALYSES REQUESTED: HEAVY METALS and Volatile Organics / VERSAR
phenols and oil & GREASE NYS DOH

DO NOT WRITE BELOW THIS LINE

REPORT DATE: _____

LAB I.D. NO.: _____

ACTUAL COST: _____

PAYMENT MADE: _____

CONTRACT NO.: _____

COMMENTS: _____

SAMPLE INFORMATION

Fill in the information requested below for each sample submitted to a contract laboratory. When completed send this form to Jack Ryan; 50 Wolf Road, Room 317, Albany, New York, 12233. Telephone: (518) 457-7470.

DO NOT WRITE IN THIS AREA

Bob Wozniak 716-847-4585

CONTRACT LABORATORY NAME: VERSAR / NYS DOH

SAMPLING DATE: 11 / 14 / 84

DEC PROGRAM CODE (OR NAME): 650 Solid Waste

DEC REGION NUMBER: 9

COUNTY WHERE SAMPLE WAS COLLECTED: Allegany

NAME OF SAMPLING POINT: Ms. Barbara LaDue Well

SAMPLE POINT I.D. NUMBER (NEEDED FOR PROGRAM CODE 525 OR 535 OR 650 SAMPLES ONLY): _____

DEC I.D. NUMBER (CONTACT REGIONAL CODE CUSTODIAN): _____

R-984-026-06

TYPE SAMPLE: ☒ GRAB ☐ COMPOSITE

SAMPLE MATRIX: ☐ AIR ☐ SOIL/SEDIMENT

☐ SURFACE WATER ☐ WASTEWATER

☒ GROUNDWATER ☐ OTHER (SPECIFY) _____

ANALYSES REQUESTED: HEAVY Metals AND Volatile Organic / VERSAR
phenols AND oil & GREASE / NYS DOH

DO NOT WRITE BELOW THIS LINE

REPORT DATE: _____

LAB I.D. NO.: _____

ACTUAL COST: _____

PAYMENT MADE: _____

CONTRACT NO.: _____

COMMENTS: _____

SAMPLE INFORMATION

Fill in the information requested below for each sample submitted to a contract laboratory. When completed send this form to Jack Ryan, 50 Wolf Road, Room 317, Albany, New York, 12233. Telephone: (518) 457-7470.

DO NOT WRITE IN THIS AREA

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Bob Wozniak 716-847-4585

CONTRACT LABORATORY NAME: VERSAR / DOIT

SAMPLING DATE: 11/14/84

DEC PROGRAM CODE (OR NAME): 650 Solid Waste

DEC REGION NUMBER: 9

COUNTY WHERE SAMPLE WAS COLLECTED: Allegany

NAME OF SAMPLING POINT: Russell Teller Well

SAMPLE POINT I.D. NUMBER (NEEDED FOR PROGRAM CODE 525 OR 535 OR 650 SAMPLES ONLY):

DEC I.D. NUMBER (CONTACT REGIONAL CODE CUSTODIAN):

R-984-026-07

TYPE SAMPLE: ☒ GASE ☐ COMPOSITE

SAMPLE MATRIX: ☐ AIR ☐ SOIL/SEDIMENT

☐ SURFACE WATER ☐ WASTEWATER

☒ GROUNDWATER ☐ OTHER (SPECIFY)

ANALYSES REQUESTED: HEAVY METALS & Volatile Organics / VERSAR
Phenols & Oil & Grease / NYS DOIT

DO NOT WRITE BELOW THIS LINE

REPORT DATE:

LAE I.D. NO.:

ACTUAL COST:

PAYMENT MADE:

CONTRACT NO.:

COMMENTS:

BOB WOZNIAK,
WOULD IT BE
POSSIBLE TO
INCLUDE THIS
NOMAN'S WELL IN
OUR SURVEY?

Rth

Important Message

For <u>Pete</u>										
Date <u>11/5</u>	Time <u>1:45</u>	AM PM								
While You Were Away										
Name <u>Barb Ladue</u>										
Of _____										
Phone No. <u>714/ 225-4092</u>										
<table border="1"> <tr> <td>☒ Telephoned You</td> <td>☒ Please Phone Him/Her</td> </tr> <tr> <td>☐ Visited You</td> <td>☐ Will Phone Again</td> </tr> <tr> <td>☐ Wants To See You</td> <td>☐ Will Visit Again</td> </tr> <tr> <td>☐ Urgent</td> <td>☐ _____</td> </tr> </table>			☒ Telephoned You	☒ Please Phone Him/Her	☐ Visited You	☐ Will Phone Again	☐ Wants To See You	☐ Will Visit Again	☐ Urgent	☐ _____
☒ Telephoned You	☒ Please Phone Him/Her									
☐ Visited You	☐ Will Phone Again									
☐ Wants To See You	☐ Will Visit Again									
☐ Urgent	☐ _____									
Message: <u>She's Rosalie's neighbor</u> <u>across the street & heard that</u> <u>we were doing water sampling</u> <u>on the 14th & would like</u> <u>for water checked</u> 00-12-60 Signed <u>Carolyn</u>										

Super. She lives closer to the landfill
than Rosalie.

WELLSVILLE ANDOVER SAMPLING

- METALS + CYANIDE
 - PHENOLS
 - OIL/GREASE
 - VOLATILES
-

WELLS PREVIOUSLY SAMPLED FOR CYANIDES:

- ① - FRED KELLY (Downstream)
- ② - ARNOLD GREEN (Downstream)
- ③ - TELLER (NW OF OLD LANDFILL)
- ④ - Rosalie Rosini
- ⑤ - Hank Bauer

Priority Pollutants -

Thio sulfate - volat

2 1/2 quads

7/25/79

Green

Hydoly CN

Cr

Zn

TOC

TKN

Cl⁻

Green mg/l	Full body dr	Teller
.012	.006	LT.005
LT .01	LT .01	.01
.06	LT.05	.12
1.0	1.0	2.2
.16	LT.04	1.6
32	9	3

8/29/80 Roxini

	mg/l
TOC	12
Oil & Gre	29
Fe	1.7
Mn	1.02
Cr	4.003
Cu	.012

New York State Department of Environmental Conservation

MEMORANDUM

TO: Carl Stiles, NYS Health Dept.
FROM: Kevin Hintz, NYSDEC *KH*
SUBJECT: Groundwater testing of residential wells below Wellsville-Andover Landfill
DATE: September 18, 1979

Attached please find the sampling results for three residences in the area of the landfill. The sampling was conducted in response to complaints by individuals about their private water supplies. The Teller residence is located northwest of the old landfill and near the head of Duffy Hollow Creek. The Arnold Green residence is located downstream of the landfill adjacent to Duffy Hollow Creek. The Fred Kelly residence is located downstream of the landfill and adjacent to Duffy Hollow Creek just north of Rt. 417. The hydrolyzable cyanides for these residences are 0.005 mg/l, 0.012 mg/l and 0.006 mg/l respectively. Cyanides results appear to be the only significant results of the testing. Apparently cyanides are migrating off site but the concentration is still below groundwater standards. As part of the Consent Order placed on the Village of Wellsville, this Department will require that the Village monitor the groundwater below the landfill.

KH:dd

cc: Bob Mitrey
Peter Burke
John McMahon

Attachment

FILE: 02510

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION

(PAGE 1 OF 1)

LAB ACCESSION NO: 04419 YR/MO/DAY/HR SAMPLE REC'D: 79/07/26/11

REPORTING LAB: 10 EHC ALBANY

PROGRAM: 520 INDUSTRIAL WASTES

STATION (SOURCE) NO:

DRAINAGE BASIN: 04 NY GAZETTEER NO: 0275 COUNTY: ALLEGANY

COORDINATES: DEG ' "N, DEG ' "W

COMMON NAME INCL SUBMITTED: DUFFY HOLLOW CK T. WELLSVILLE

EXACT SAMPLING POINT: HOUSEHOLD OF FRED KELLY JR ON DUFFY HOLLOW CK

TYPE OF SAMPLE: 11 WATER, DRIVEN WELL

MO/DAY/HR OF SAMPLING: FROM 00/00 TO 07/25/09

REPORT SENT TO: CO (1) PO (2) LPHE (1) LHO (0) FED (0) CHEM (0)

Downstream

PARAMETER	UNIT	RESULT	NOTATION
000501 NITROGEN, NITRATE & NITRITE	MG/L		AA
001001 CHLORIDE	MG/L	0.	
002901 HYDROLYZABLE CYANIDES	MG/L	0.006	
309801 CHROMIUM	MG/L	0.01	LT
010901 ZINC	MG/L	0.05	LT
009201 CARBON, ORGANIC (TOC)	MG/L	1.0	
106401 NITROGEN TOTAL KJELDAHL	MG/L	0.04	LT

DATE COMPLETED: 9/12/79

NYS DEPT. OF ENVIRONMENTAL CON
REGION 9
354 DELAWARE AVENUE
BUFFALO NEW YORK 14202

SUBMITTED BY: HINTZ

0757

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTERRESULTS OF EXAMINATION
(PAGE 1 OF 1)

LAB ACCESSION NO: 04420 YR/MO/DAY/HR SAMPLE REC'D: 79/07/26/11

REPORTING LAB: 10 EHC ALBANY

PROGRAM: 520 INDUSTRIAL WASTES

STATION (SOURCE) NO:

DRAINAGE BASIN: 04 NY GAZETTEER NO: 0275 COUNTY: ALLEGANY

COORDINATES: DEG ' "N, DEG ' "W

COMMON NAME INCL SUBMITTED: DUFFY HOLLOW CK

EXACT SAMPLING POINT: HOUSEHOLD OF ARNOLD GREEN ON DUFFY HOLLOW CK

TYPE OF SAMPLE: 11 WATER, DRIVEN WELL

MO/DAY/HR OF SAMPLING: FROM 00/00 TO 07/25/10

REPORT SENT TO: CO (1) RO (2) LPHE (1) LHO (0) FED (0) CHEM (1)

PARAMETER	UNIT	RESULT	NOTATION
002901 HYDROLYZABLE CYANIDES	MG/L	0.012	
309801 CHROMIUM	MG/L	0.01	LT
010901 ZINC	MG/L	0.06	
009201 CARBON, ORGANIC (TOC)	MG/L	1.0	
106401 NITROGEN TOTAL KJELDAHL	MG/L	0.16	
001001 CHLORIDE	MG/L	32.	

DATE COMPLETED: 8/28/79

NYS DEPT. OF ENVIRONMENTAL CON
REGION 9
584 DELAWARE AVENUE
BUFFALO NEW YORK 14202

SUBMITTED BY: HINTZ

DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

*Waiting
for further
results.*

RESULTS OF EXAMINATION

(PAGE 1 OF 1)

LAB ACCESSION NO: 04422 YR/MO/DAY/HR SAMPLE REC'D: 7/27/25/10

REPORTING LAB: EHD ALBANY

PROGRAM: 520 INDUSTRIAL WASTES

STATION (SOURCE) NO:

DRAINAGE BASIN: 04 NY GAZETTEEER NO: 0275 COUNTY: ALLEGANY

COORDINATES: DEG ' " " DEG ' " "

COMMON NAME INCL SUPPLIED: DUFFY HOLLOW CREEK VILLAGE

EXACT SAMPLING POINT: TELLER RESIDENCE ABOVE DUFFY HOLLOW CREEK

TYPE OF SAMPLE: 11 WATER, DRIVEN WELL

UPSTREAM

MO/DAY/HR OF SAMPLING: FROM 00/00 TO 07/25/10

REPORT SENT TO: CO (1) PO (2) LPHS (3) LHO (3) FED (3) CHEN (3)

PARAMETER	UNIT	RESULT	NOTATION
001001 CHLORINE	MG/L	3.	LT
002001 HYDROLYZABLE NITROGENS	MG/L	2.005	LT
003001 CHLORIDE	MG/L	0.01	LT
010001 ZINC	MG/L	0.12	
009001 CARBON, TOTAL (TCO)	MG/L	0.8	
100401 NITROGEN, TOTAL KJELDAHL	MG/L	1.6	

DATE COLLECTED: 7/27/25

LABORATORY OF ENVIRONMENTAL HEALTH

ALBANY

200 CORTLAND AVENUE

SUFFALO NEW YORK 14202

SUBMITTED BY: ALITE

TESTS
ANALYTICAL
BACTERIAL
DAIRY PRODUCTS
FOODS

Certified by U.S. Public Health Service

D. W. FRIEND LABORATORY
CONSULTANT
30 LINCOLN STREET
WAVERLY, N.Y. 14892
607 565-2064

WATER
STREAM POLLUTION
SEWAGE
SALMONELLA
STAPH

Date December 1, 1977 (Received) SAMPLE

SOURCE	337 NT DYKE CREEK @ DUFFY HOLLOW	339 NT CEGLIA'S SPRING	341 NT LEACHATE	343 NT TEST WELL 1	345 NT TEST WELL 2	347 NT TEST WELL 3
Village of Wellsville 156 North Main St. Box #591 Wellsville, New York						
Temperature F.						
pH	8.4	8.1	5.7	7.0	7.0	7.9
B.O.D. mg/L [5 day]	30.0	30.0	2,340	22.0	0.3	420
B.O.D. mg/L [ultimate]						
C.O.D. mg/L	69.6	-0.1	15,103	375	69.6	2,480
Total Solids mg/L	98	130	11,348	2,250	33,556	93,620
Suspended Solids mg/L	60	64	600	1,210	31,600	32,400
Dissolved Solids mg/L	38	66	10,748	1,040	1,956	61,220
Volatile Solids mg/L						
Vol. Susp. Solids mg/L						
Vol. Diss. Solids mg/L						
Settleable Solids ml/L						
Kjeldahl Nitrogen mg/L						
Organic Nitrogen mg/L	-0.6	0.6	19.6	-5.6	89.6	17.9
Ammonia mg/L N	5.6	11.2	-5.6	-5.6	-2.8	-2.8
NO3 mg/L N						
NO2 mg/L N						
Total PO4 mg/L						
Ortho PO4 mg/L						
Poly PO4 mg/L						
Alkalinity mg/L as CaCO3						
Acidity						
Total Hardness as CaCO3						
Calcium Hardness CaCO3						
Magnesium Hardness CaCO3						
Iron mg/L	-0.2	-0.2	380	220	180	2.0
Chloride mg/L as Cl	15.0	12.5	-1.0	20	7.5	10
Sulfate mg/L	10	7	700	320	68	-20
Detergents, anionic mg/L						
Oil and Grease mg/L						
Dissolved Oxygen						
Coliform MPN/100m1	21	7	-1	-1	-1	4
Fecal Coliform MPN/100m1						
Phenols						
Aluminum mg/L						
Calcium mg/L	30	20	300	85	230	1400
Magnesium mg/L	5	4.6	190	27.2	18	110
Sodium mg/L	5	1.7	490	33	22	40
Potassium mg/L	1.7	1.3	160	16	33	56
Zinc mg/L	0.06	0.04	5	95	550	13
Copper mg/L	-0.1	-0.1	0.5	0.7	1.3	-2

D. W. Friend
D.W. Friend
Director

TESTING
ANALYTICAL
BACTERIAL
DAIRY PRODUCTS
FOODS

Certified by U.S. Public Health Service

D. W. FRIEND LABORATORY
CONSULTANT
30 LINCOLN STREET
WAVERLY, N.Y. 14892
607 565-2064

WATER
STREAM POLLUTION
SEWAGE
SALMONELLA
STAPH

Date December 1, 1977 (Received) SAMPLE

SOURCE	TEST WELL 4	TEST WELL 5	TEST WELL 6	DIFFERENTIAL COUNT SANDERSON					
Village of Wellsville 156 N. Main St. Box 591 Wellsville, New York	340 NT	351 NT	353 NT	355 NT					
Temperature F.									
pH	7.2	7.1	7.6	7.9					
B.O.D. mg/L [5 day]	55.0	45.5	92.0	42.0					
B.O.D. mg/L [ultimate]									
C.O.D. mg/L	-0.1	404	1,133	133					
Total Solids mg/L	31,004	120,144	23,104	136					
Suspended Solids mg/L	20,800	36,521	14,130	24					
Dissolved Solids mg/L	10,204	33,324	3,974	112					
Volatile Solids mg/L									
Vol. Susp. Solids mg/L									
Vol. Diss. Solids mg/L									
Settleable Solids ml/L									
Kjeldahl Nitrogen mg/L									
Organic Nitrogen mg/L	51.6	145.6	44.6	-0.6					
Ammonia mg/L N	-2.2	-2.2	-2.2	-2.2					
NO3 mg/L N									
NO2 mg/L N									
Total PO4 mg/L									
Ortho PO4 mg/L									
Poly PO4 mg/L									
Alkalinity mg/L as CaCO3									
Acidity									
Total Hardness as CaCO3									
Calcium Hardness CaCO3									
Magnesium Hardness CaCO3									
Iron mg/L	140	490	124	2.0					
Chloride mg/L as Cl	30	12.5	12	22.5					
Sulfate mg/L	23	40	43	11					
Detergents, anionic mg/L									
Oil and Grease mg/L									
Dissolved Oxygen									
Coliform MPN/100ml	0	0	-1	4					
Fecal Coliform MPN/100ml									
Phenols									
Aluminum mg/L									
Calcium mg/L	590	330	124	40					
Magnesium mg/L	28	35.5	14	3.3					
Sodium mg/L	10	12	14	6.9					
Potassium mg/L	12	25	30	3.0					
Iron mg/L	11	900	22.5	0.04					
Chloride mg/L	1.0	3.1	0.9	-0.1					

D.W. Friend
D.W. Friend
Director

GROUNDWATER MONITORING WELLS

	<u>Depth (ft.)</u>
Well 1	38
Well 2	16
Well 3	18.5
Well 4	30
Well 5	14
Well 6	22

All wells were drilled into shale bedrock.

Monitoring wells consist of well points in a sand filter with 1-1/2" PVC riser pipe with an impervious surface seal.

	Depth of Well Feet	Depth of Groundwater in Well				
		7/21/77	7/27/77	8/12/77	8/19/77	9/12/77
Well 1	38	11.2	12.0	16.0	9.2	11.2
Well 2	16	8.4	5.4	9.5	6.5	7.6
Well 3	18.5	Dry	Dry	0.5	1.0	0.7
Well 4	30	Dry	0.5	0.8	0.9	0.9
Well 5	14	2.0	1.7	2.5	1.2	0.7
Well 6	22	8.1	7.3	5.3	6.3	6.8

MONITORING RESULTS
SURFACE AND GROUNDWATER SAMPLES
WELLSVILLE LANDFILL

Page 1 of 2

File 02S10

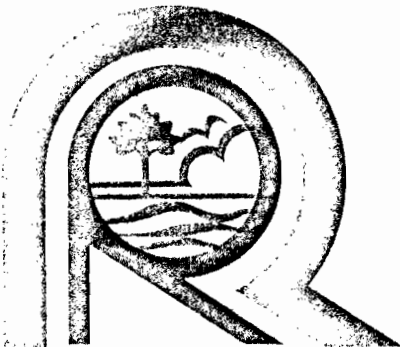
Sample Dates: 5/31 and 6/5/78

Report Date: 7/6/78

PARAMETER	UNIT OF MEASURE	SAMPLE NUMBER - IDENTIFICATION/DATE					
		TW1 5/31/78	TW2 5/31/78	TW4 5/31/78	TW4 6/5/78	TW5 5/31/78	TW5 6/5/78
Specific Conductance	$\mu\text{mhos/cm}$ @ 25° C	785	382	329	361	231	37.0
TOC	mg/l	66.8	13.2	9.8	73.0	5.5	22.4
pH	Standard Units	6.95	7.05	7.22	7.84	6.75	7.69
Chloride	mg/l	16.0	1.19	1.22	2.80	4.08	5.41
Total Iron	mg/l	6.5	70	36	490	200	16
Nitrate	mg N/l	0.98	1.38	0.62	0.41	1.80	0.41
Nitrite	mg N/l	0.003	0.021	0.008	0.016	0.003	0.010
TKN	mg N/l	0.176	0.018	0.120	1.76	0.040	0.018
Sulfate	mg/l	154	36	18	<18	18	20
Alkalinity	mg/l as CaCO_3	346	474	167	834 ¹	127	147
Hardness	mg/l as CaCO_3	490	216	174	210	46	144
Color (True)	APHA Color Units	1.0	1.0	<1.0	<1.0	1.0	<1.0
Total Lead	mg/l	<0.03	<0.03	<0.15 ²	0.50	<0.15 ²	0.07
Detergent	mg/l	0.35	0.16	0.71	<0.10	0.53	0.24

Comments: 1) Copious amounts of suspended matter.

2) Sample had to be diluted in order to be of sufficient quantity to analyze.



For Recra Research, Inc.

Date

James H. Plummer
7/6/78

RECRA RESEARCH, INC. 111 Wales Avenue/Tonawanda, New York 14150/(716) 692-7620
TOTAL CHEMICAL WASTE MANAGEMENT THROUGH APPLIED RESEARCH

MONITORING RESULTS
SURFACE AND GROUNDWATER SAMPLES
WELLSVILLE LANDFILL

Page 2 of 2

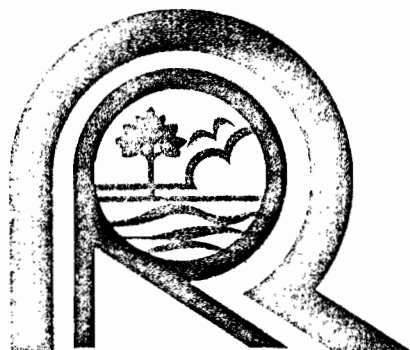
Sample Dates: 5/31 and 6/5/78

Report Date: 7/6/78

PARAMETER	UNIT OF MEASURE	SAMPLE NUMBER - IDENTIFICATION/DATE					
		TW6 6/5/78	Teller Well 6/5/78	Ceglia * Spring 5/31	Ceglia ** Spring 5/31	Pond 6/5/78	Duffy Creek 6/5
Specific Conductance	µmhos/cm @ 25° C	246	36.3	65.7	47.7	194	157
TOC	mg/l	57.0	21.2	-	-	-	-
pH	Standard Units	7.85	7.62	6.74	6.76	7.29	7.32
Chloride	mg/l	7.02	1.51	1.36	0.040	3.50	61.5
Total Iron	mg/l	1,450	0.07	0.21	0.34	13	5.0
Nitrate	mg N/l	0.39	0.13	0.63	0.29	0.23	<0.1
Nitrite	mg N/l	0.016	0.002	0.004	0.004	0.007	0.006
TKN	mg N/l	1.76	<0.01	-	-	-	-
Sulfate	mg/l	22	<18	-	-	-	-
Alkalinity	mg/l as CaCO ₃	125	150	7.1	10.2	5.7	213
Hardness	mg/l as CaCO ₃	124	162	16	20	22	350
Color (True)	APHA Color Units	12.5 ³	<1.0	2.5	4.0	6.5 ³	6.0
Total Lead	mg/l	0.37	<0.03	<0.03	<0.03	<0.03	<0.03
Detergent	mg/l	0.10	0.18	0.24	0.22	0.13	0.24

Comments: * - BOD Sample Bottle #111
 ** - BOD Sample Bottle #250

3) Turbid After 0.45 µm filtration



RECRA RESEARCH, INC. 111 Wales Avenue/Tonawanda, New York 14150/(716) 692-7620
TOTAL CHEMICAL WASTE MANAGEMENT THROUGH APPLIED RESEARCH

For Recra Research, Inc.

Date

James P. Phossey
7/6/78

Stream Sampling - Duffy Hollow Creek
8/31/79

	Time	pH	DO	Comments
at Rt. 417	11:05 a.m.	5.5	10.2	Rocks red stained and bottom of creek covered with lots of dark green algae.
first bridge on Duffy Hollow Rd.	11:15 a.m.	5.5	8.1	Red stain on rocks, iron sediment in pockets on stream bottom. Rocks also stained black in mainstream of creek.
second bridge on Duffy Hollow Rd. near Green residence	11:24 a.m.	5.5	7.6	Slight septic smell, iron stained rock, rocks in main-stream stained black. Red brown sediment in pockets in stream. Some minnows present.
intersection of Duffy Hollow Rd. and Synder Hill	11:35 a.m.	5.5	2.4	Septic smell more evident, water was cloudy. Oil like sheen along banks. Scum caught in rocks. Black-green sediment on stream bottom. No fish or life present
just below landfill - below southern most entrance of ditch to Duffy Creek	11:45 a.m.	3.6	4.5	Water flowing is red - septic smell quite obnoxious. Stream bottom covered with iron sediment as well as rocks. Sheen on top, scum too. Sand & gravel is gray black below red sediment. No fish or life present.
ditch coming off landfill near access road to old landfill	11:50 a.m.	6.	3.0	Water was stained with iron oxides. Odorous as well.

0122

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION

(PAGE 1 OF 1)

LAB ACCESSION NO: 04419 YR/MO/DAY/HR SAMPLE REC'D: 79/07/26/11

REPORTING LAB: 10 EHC ALBANY
PROGRAM: 520 INDUSTRIAL WASTES

STATION (SOURCE) NO:

DRAINAGE BASIN: 04 NY GAZETTEER NO: 0275 COUNTY: ALLEGANY

COORDINATES: DEG ' "N, DEG ' "W

COMMON NAME INCL SUBMITTED: DUFFY HOLLOW CK T. WELLSVILLE

EXACT SAMPLING POINT: HOUSEHOLD OF FRED KELLY JR ON DUFFY HOL CK

TYPE OF SAMPLE: 11 WATER, DRIVEN WELL

MO/DAY/HR OF SAMPLING: FROM 00/00 TO 07/25/09

REPORT SENT TO: CO (1) RO (2) LPHE (1) LHO (0) FED (0) CHEM (0)

PARAMETER	UNIT	RESULT	NOTATION
000801 NITROGEN, NITRATE & NITRITE	MG/L		NA
001001 CHLORIDE	MG/L	9.	
002901 HYDROLYZABLE CYANIDES	MG/L	0.006	
309801 CHROMIUM	MG/L	0.01	LT
010901 ZINC	MG/L	0.05	LT
009201 CARBON, ORGANIC (TOC)	MG/L	1.0	
106401 NITROGEN TOTAL KJELDAHL	MG/L	0.04	LT

DATE COMPLETED: 9/12/79

NYS DEPT. OF ENVIRONMENTAL CON
REGION 9
584 DELAWARE AVENUE
BUFFALO NEW YORK 14202

SUBMITTED BY: HINTZ

0758

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION

(PAGE 1 OF 1)

LAB ACCESSION NO: 04420 YR/MO/DAY/HR SAMPLE REC'D: 79/07/26/11

REPORTING LAB: 10 EHC ALBANY
PROGRAM: 520 INDUSTRIAL WASTES

STATION (SOURCE) NO:

DRAINAGE BASIN: 04 NY GAZETTEER NO: 0275 COUNTY: ALLEGANY

COORDINATES: DEG ' "N, DEG ' "W

COMMON NAME INCL SUBW'SHED: DUFFY HOLLOW CK

EXACT SAMPLING POINT: HOUSEHOLD OF ARNOLD GREEN ON DUFFY HOLLOW CK

TYPE OF SAMPLE: 11 WATER, DRIVEN WELL

MO/DAY/HR OF SAMPLING: FROM 00/00 TO 07/25/10

REPORT SENT TO: CO (1) RO (2) LPHE (1) LHO (0) FED (0) CHEM (1)

PARAMETER	UNIT	RESULT	NOTATION
002901 HYDROLYZABLE CYANIDES	MG/L	0.012	
309801 CHROMIUM	MG/L	0.01	LT
010901 ZINC	MG/L	0.06	
009201 CARBON, ORGANIC (TOC)	MG/L	1.0	
106401 NITROGEN TOTAL KJELDAHL	MG/L	0.16	
001001 CHLORIDE	MG/L	32.	

DATE COMPLETED: 8/28/79

NYS DEPT. OF ENVIRONMENTAL CON
REGION 9
584 DELAWARE AVENUE
BUFFALO NEW YORK 14202

SUBMITTED BY: HINTZ

1422

NEW YORK STATE DEPARTMENT OF HEALTH
 STATE OF LABORATORIES AND RESEARCH
 CENTRAL STATE HEALTH CENTER

Waiting
for further
results.

File
02510

RESULTS OF EXAMINATION
 (PAGE 1 OF 1)

LAB ACCESSION NO: 04411 ANALYZED/DATE: SAMPLE REC'D: 77/07/26/10

REPORTING LAB: 11 - ALLEGANY

PROGRAM: SOIL INDUSTRIAL WASTES

STATION (SAMPLER): 11

DRAINAGE BASIN: 14 NY TOWNSHIP: 011 1275 COUNTY: ALLEGANY

CUMULATIVE: YES DATE: 7/1/77

CUMULATIVE: YES DATE: 7/1/77

EXACT SAMPLING POINT: TOLLER RESIDENCE ABOVE DUFFY HOLLOW CREEK

TYPE OF SAMPLE: 11 WATER DIVISION WELL

ANALYZED/DATE: 7/1/77

REPORT SENT TO: 00 (1) 01 (2) 02 (3) 03 (4) 04 (5) 05 (6) 06 (7) 07 (8) 08 (9) 09 (10) 10 (11) 11 (12)

PARAMETER	UNIT	RESULT	NOTATION
001001 CHLORIDE	MG/L	3.	LT
002001 HYDROLYZABLE NITROGEN	MG/L	0.005	LT
003001 AMMONIUM	MG/L	0.01	LT
010001 ZINC	MG/L	0.12	
009001 CARBON, TOTAL (TOC)	MG/L	2.8	
100401 NITROGEN, TOTAL KJELDAHL	MG/L	1.8	

DATE COMPLETED: 7/1/77

NYs DEPT. OF ENVIRONMENTAL CONSERVATION
 REGION 1
 384 DELAWARE AVENUE
 BUFFALO NEW YORK 14202

SUBMITTED BY: HINTZ



**parratt
wolff inc**

FISHER RD., EAST SYRACUSE, N.Y. 13057
TELEPHONE AREA CODE 315/437-1429

August 1, 1977

Mr. John Palmer
Department of Public Works
Municipal Building
156 North Main Street
Wellsville, New York 14895

Re: 7794
Groundwater Sampling Wells
Wellsville - Andover
Consolidated Sanitary Landfill

Dear Mr. Palmer:

Enclosed are the logs of six groundwater sampling wells installed for you at the above site.

Soil samples from the wells are being shipped to you via U.P.S.

The wells were located in the field by you at points shown on the enclosed plot plan.

Each installation was made by augering a hole to a specified depth and lowering a 1 1/2" diameter 60 mesh screen wellpoint attached to a 1 1/4" diameter P.V.C. riser pipe to the bottom of the hole through the hollow stem of the auger. Then, as the auger flights were withdrawn, the annular space between the wellpoint and the boring wall was filled with clean sand. As the auger was further withdrawn, the area above the top of the wellpoint was backfilled with native material which came originally from the boring. The riser pipe was extended a short distance above ground surface and capped. The soil at the surface surrounding the riser pipe was tamped and sloped to prevent surface water from entering the well.

Thank you for this opportunity to work with you.

Very truly yours,

PARRATT - WOLFF, INC.


Steffen Wolff

SW/le

encs:

*Jack - Boring logs show some gravel - not so - it is
some stones in clay and silt.*

D



Paul Att
Wolff Inc

VISHER ROAD
EAST SYRACUSE, N.Y. 13057

TEST BORING LOG

PROJECT Groundwater Sampling Wells HOLE NO. B-2
Wellsville - Andover
LOCATION Consolidated Sanitary Landfill SURF. ELEV.
DATE STARTED 7/18/77 COMPLETED 7/18/77 JOB NO. 7794
Dry on completion inside casing
GROUND WATER Depth at 8.8' after 1 hour
Depth at 6.4' after installing wellpoint
N= NO. OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C= NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

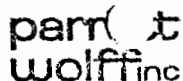
BORING MADE WITH HOLLOW STEM AUGER CASING

DEPTH	C.	N.	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0		Auger Sample	1	0.0'-8.0'	Brown dry SILT, some fine to coarse sand, trace fine to medium gravel
10.0		Auger Sample	2	8.0'-16.0'	Brown moist SILT and fine to coarse GRAVEL, trace fine sand, trace cobbles, trace boulders
15.0					Refusal 16.0'
20.0					Bottom of Boring 16.0'
					Note: Installed wellpoint in boring on completion.



TEST BORING LOG

DEPTH	C.	N.	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0		Auger Sample	1	0.0'-10.0'	Brown dry SILT, fine to coarse GRAVEL and COBBLES, little fine to coarse sand
10.0					
15.0		Auger Sample	2		
20.0					



FILED R ROAD
EAST SYRACUSE, N.Y. 13057

PROJECT	Groundwater Sampling Wells	HOLE NO.	B-5
	Wellsville - Andover		
LOCATION	Consolidated Sanitary Landfill	SURF. ELEV.	
DATE STARTED	7/18/77	COMPLETED	7/18/77
	Struck water at 9.0' while drilling		
GROUND WATER	Depth on completion at 9.5' inside casing		
	Depth at 8.9' after installing wellpoint		
N= NO. OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"			

C= NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH HOLLOW STEM AUGER CASING

[illegible]



paritt
wolff inc

ER ROAD
EAST SYRACUSE, N.Y. 13057

TEST BORING LOG

PROJECT Groundwater Sampling Wells HOLE NO. B-6
LOCATION Wellsville - Andover
Consolidated Sanitary Landfill SURF. ELEV.
DATE STARTED 7/19/77 COMPLETED 7/19/77 JOB NO. 7794
GROUND WATER Struck water at 8.5' while drilling - Depth on
completion at 6.0' inside casing - Depth at 5.0' after
pulling casing - Depth at 13.0' after installing wellpoint
N= NO. OF BLOWS TO DRIVE 2" SAMPLER 6" W/140 LB. WEIGHT FALLING 30"

C= NO. OF BLOWS TO DRIVE CASING 12" W/300 LB. WEIGHT FALLING 24"

SHEET 1 OF 1

BORING MADE WITH HOLLOW STEM AUGER CASING

DEPTH	C.	N.	SAMPLE NO.	SAMPLE DEPTH	DESCRIPTION OF MATERIAL
5.0		Auger	1	0.0'-	Brown wet SILT, some fine to coarse gravel <u>1.0'</u> Brown dry SILT, fine to coarse GRAVEL, COBBLES and BOULDERS
		Sample		1.0'	
WL 					
10.0		Auger	2	8.5'-	<u>8.5'</u> Brown wet SILT, some fine to coarse gravel, some fine to coarse sand <u>10.0'</u>
		Sample		10.0'	
15.0		Auger	3	10.0'-	Gray wet SILT, some fine to coarse gravel, some boulders, little clay, <u>very dense drilling</u>
		Sample		22.0'	
20.0					
25.0					<u>Refusal</u> <u>22.0'</u>
					Bottom of Boring <u>22.0'</u>

VILLAGE OF WELLSVILLE

MUNICIPAL BUILDING 156 NORTH MAIN

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January 18, 1978

Mr. John S. Tygert
New York State Department of Environmental Conservation
584 Delaware Avenue
Buffalo, New York 14202

Dear Jack:

Once again a project that looked simple at the beginning is anything but simple now that I'm in the middle of it. The project is the sampling and chemical analysis of the groundwater at our proposed landfill.

The problem is analysis of the lab test results, they don't look right to me but then I wasn't much of a chemist twenty years ago when I took it, and I'm even less of one now.

To start, we had six groundwater observation/sampling wells drilled at locations around the landfill as shown on the attached plan view. A description of the wells is given in the letter and drilling log (August 1, 1977) from Parratt-Wolff. The work was inspected in the field during drilling and setting and was in accordance with the description. The wells were drilled to bedrock.

I obtained quotations for lab analysis from several firms and selected the D. W. Friend Laboratory in Waverly on the basis of price and convenience, possibly mistake 'A'. Do you know anything of this laboratory?

Samples were taken from the well by tube lowered into the well on the end of a line. The samples were then transferred to sterilized bottles. Two samples were taken from each source, one was treated with 1 ml of H_2SO_4 , the other was untreated. The samples were delivered to the laboratory the morning after they were taken.

Now we come to what in retrospect looks like mistake 'B' - sampling technique. Several of the test wells have very little water in them and it is difficult to get much of a sample, in addition the silt from the surrounding soil seems to be filtering through the sand and into the wellpoint and the result is that some of the samples were pretty dirty. Since we are interested in testing the water, not the dirt, I think we should have either filtered the sample or allowed it to settle and pipetted the test sample off the top. I think the solids information we obtained is worthless because of this oversight. What are your thoughts on this?

In addition to the groundwater we took four surface water samples including the rankest leachate on the site, and you may be interested in that analysis. The adjacent stream samples look pretty consistent to me - again I would appreciate your comments.

Obviously the results we obtained are unsatisfactory as baseline data without confirmation and if they can't be confirmed they are no good at all. I would like to select another lab, preferably in DEC, Region 9, and known to your department, for another series of tests. Do you have some suggestions on independent laboratories we might contact?

I would also appreciate your looking over the lab test results we obtained and giving me your general comments. Some of the things that bother me are:

1. The very high B.O.D. in test wells No. 3 and 6. I just can't see what the source of this pollution would be
2. The high readings for zinc in test wells 2 and 5.

I plan on running some B.O.D.'s in our treatment plant lab once we get moved over to the new lab but the rest of the testing will be done outside. I don't want the Village evaluating the Village, particularly on baseline data.

Jack, I would very much appreciate any guidance and information you could give me in solving this problem and getting an accurate picture of the groundwater quality in the area. Thanks very much.

Yours truly,

VILLAGE OF WELLSVILLE



D. A. MacFarquhar
Director of Public Works

File

Kevin Hintz *KRH*

Contravention of Duffy Hollow Creek by leachate leaving the old Wellsville-Andover Landfill

September 5, 1979

On August 31, 1979 this writer sampled Duffy Hollow Creek to determine if the leachate entering the creek from the old landfill is contravening surface water standards. See attached sheet for the results. In summary, contravention of surface water standards is occurring in Duffy Hollow Creek as the result of the leachate. Contravention is occurring in the following manner:

1. Dissolved oxygen - ranges from 10.2 to 2.4. DO below 3 ppm in spots downstream of the landfill.
2. Sediment - red iron oxide colored sediment lies on the bottom of the stream and in pockets along the stream. Black and/or gray-black sediment can also be found in the stream bottom.
3. Floating Substance-iron oxide colored scum or foam was floating on top of the water.

KH:dd

Attachment