BETZ Analytical Services

US EPA RECORDS CENTER REGION 5
410890

CASE NARRATIVE

SECTION I

Laboratory: Betz Analytical Services EPA Ohio Project No.: KNE930225-

Lab No.: D0226503-D0226504 Contract No.: 880089-D

I. RECEIPT

A. Date: 2/26/93
B. No. of Samples: 2
C. Sample Type: water
D. Analysis Requested: VOC 524.4, SV 525 + 10 TIC's, metals, TDS, SO4, Cl, Ammonia, NO3, M&P Alkalinity
E. Shipping Problems: None
F. Documentation Problems:
G. QC Distribution:

LEVEL	MATRIX	VOA	SV	PEST	METALS
Low	Water				
	Soil				
Medium	Water				
	Soil				

II. PREPARATION

A. Analytical Levels: Low level waters -

B. Extraction Problems: None

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Lab No. D0226503-504

III. ANALYSIS

A. Analysis Problems: None

B. Surrogate Recoveries: All surrogate recoveries within acceptable Q.C. limits for volatiles and semivolatiles.

IV. COMMENTS: EPA Method 625 was used instead of Method 525. Lower detection limits were achieved using an aliquot of 2,000 ml of the sample.

I. Z. Williams

Idelis Z. Williams, Project Manager

03-22-1993

Date

BETZ Analytical Services

Ohio EPA
2110 E. Aurora Road
Twinsburg, OH 44087

Date Submitted: 2/26/93
Date Reported: 3/22/93
Project #KNE930225-1R

Exemption 6- 1 line

Attention: [redacted]

Exemption 6 - 1 word

Sample Description: [redacted]
Date Sampled: 2/25/93

Laboratory ID: D0226503

TEST	VALUE	UNITS	METHOD
M-Alkalinity, as CaCO3	249	mg/L	SM 403 16th
Chloride, as Cl	< 5.00	mg/L	EPA 325.2
Sulfate, as SO4	16.0	mg/L	EPA 375.4
Arsenic, total	< 0.005	mg/L	EPA 206.2
Barium, total	0.126	mg/L	EPA 200.7
Cadmium, total	< 0.005	mg/L	EPA 200.7
Calcium, total	23.8	mg/L	EPA 200.7
Magnesium, total	7.18	mg/L	EPA 200.7
Chromium, total	< 0.010	mg/L	EPA 200.7
Lead, total	0.007	mg/L	EPA 239.2
Mercury, total	< 0.200	ug/L	EPA 245.1
Potassium, total	5.36	mg/L	EPA 200.7
Selenium, total	< 0.005	mg/L	EPA 270.2
Silver, total	< 0.010	mg/L	EPA 200.7
Sodium, total	76.6	mg/L	EPA 200.7
Ammonia, as N	1.40	mg/L	EPA 350.2
Total Dissolved Solids	304	mg/L	EPA 160.1
Nitrate, as N	< 0.020	mg/L	EPA 353.3

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Exemption 6 - 1 word

Sample Description: [redacted]
Date Sampled: 2/25/93
Analyst: CD

Laboratory ID: D0226503
Date Analyzed: 2/26/93 16:13

VOLATILE ORGANICS (EPA 524.2)
Drinking Water

Compound	ug/L
Benzene	ND
Bromobenzene	ND
Bromochloromethane	ND
Bromoform	ND
Bromomethane	ND
Bromodichloromethane	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
tert-Butylbenzene	ND
Carbon tetrachloride	ND
Chlorobenzene	ND
Chloroethane	ND
Chloroform	ND
Chloromethane	ND
2-Chlorotoluene	ND
4-Chlorotoluene	ND
Dibromochloromethane	ND
1,2-Dibromo-3-chloropropane	ND [3]
1,2-Dibromoethane	ND
Dibromomethane	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Dichlorodifluoromethane	ND
1,1-Dichloroethane	ND
1,2-Dichloroethane	ND
1,1-Dichloroethene	ND
cis-1,2-Dichloroethene	ND
trans-1,2-Dichloroethene	ND
1,2-Dichloropropane	ND
1,3-Dichloropropane	ND
2,2-Dichloropropane	ND
1,1-Dichloropropene	ND

BETZ Analytical Services

VOLATILE ORGANICS (EPA 524.2)
Drinking Water
(cont'd) Laboratory ID: D0226503

Compound	ug/L
cis-1,3-Dichloropropene	ND
trans-1,3-Dichloropropene	ND
Ethylbenzene	ND
Hexachlorobutadiene	ND
Isopropylbenzene	ND
4-Isopropyltoluene	ND
Methylene chloride	0.4JB
Naphthalene	ND
n-Propylbenzene	ND
Styrene	ND
1,1,1,2-Tetrachloroethane	ND
1,1,2,2-Tetrachloroethane	ND
Tetrachloroethene	ND
Toluene	ND
1,2,3-Trichlorobenzene	ND [2]
1,2,4-Trichlorobenzene	ND
1,1,1-Trichloroethane	ND
1,1,2-Trichloroethane	ND
Trichloroethene	ND
Trichlorofluoromethane	ND
1,2,3-Trichloropropane	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Vinyl chloride	ND
o-Xylenes	ND
m,p-Xylenes	ND

Limit of Practical Quantitation is 1 ug/L, unless otherwise noted in brackets.
J = Less than limit of quantitation but greater than zero.
B = Analyte present in the method blank.

Surrogate Recovery:		Recovery Limits
1,2-Dichloroethane-d4	103 %	76-114 %
4-Bromofluorobenzene	102 %	86-115 %

BETZ Analytical Services

Exemption 6 - 1 Word

Sample Description: [redacted]
Date Sampled: 2/25/93
Date Extracted: 3/1/93
Dilution: 2000mls/1ml

Laboratory ID: D0226503
Date Analyzed: 3/1/93
Analyst: KC

ACID EXTRACTABLE ORGANICS (EPA 625)

Compound	ug/L
4-Chloro-3-methylphenol	ND
2-Chlorophenol	ND
2,4-Dichlorophenol	ND
2,4-Dimethylphenol	ND
2,4-Dinitrophenol	ND *
2-Methyl-4,6-dinitrophenol	ND *
2-Nitrophenol	ND
4-Nitrophenol	ND *
Pentachlorophenol	ND *
Phenol	ND
2,4,6-Trichlorophenol	ND

Limit of Practical Quantitation is 5 ug/L, unless otherwise noted in brackets.
* = 5 times limit of detection

Surrogate Recovery:		Recovery Limits:
2-Fluorophenol	26 %	10- 94 %
Phenol-d5	28 %	21-100 %
2,4,6-Tribromophenol	23 %	10-123 %

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Exemption 6 - 1 word

Sample Description: [redacted]
Date Sampled: 2/25/93
Date Extracted: 3/1/93
Dilution: 2000mls/1ml

Laboratory ID: D0226503
Date Analyzed: 3/1/93
Analyst: KC

BASE NEUTRAL EXTRACTABLE ORGANICS (EPA 625)

Compound	ug/L
Acenaphthene	ND
Acenaphthylene	ND
Anthracene	ND
Benzo(a)anthracene	ND
Benzo(b)fluoranthene	ND
Benzo(k)fluoranthene	ND
Benzo(a)pyrene	ND
Benzo(ghi)perylene	ND
Benzyl butyl phthalate	ND
Bis(2-chloroethyl)ether	ND
Bis(2-chloroethoxy)methane	ND
Bis(2-ethylhexyl)phthalate	ND
Bis(2-chloroisopropyl)ether	ND
4-Bromophenyl phenyl ether	ND
2-Chloronaphthalene	ND
4-Chlorophenyl phenyl ether	ND
Chrysene	ND
Dibenzo(a,h)anthracene	ND
Di-n-butyl phthalate	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
3,3'-Dichlorobenzidine	ND *

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BASE/NEUTRAL EXTRACTABLE ORGANICS (EPA 625)
Laboratory ID: D0226503 (Continued)

Compound	ug/L
Diethyl phthalate	ND
Dimethyl phthalate	ND
2,4-Dinitrotoluene	ND
2,6-Dinitrotoluene	ND
Di-n-octyl phthalate	ND
Fluoranthene	ND
Fluorene	ND
Hexachlorobenzene	ND
Hexachlorobutadiene	ND
Hexachloroethane	ND
Indeno(1,2,3-cd)pyrene	ND
Isophorone	ND
Naphthalene	ND
Nitrobenzene	ND
N-Nitrosodi-n-propylamine	ND
Phenanthrene	ND
Pyrene	ND
1,2,4-Trichlorobenzene	ND

Limit of Practical Quantitation is 5 ug/L, unless otherwise noted in brackets.
* = 2 times limit of detection

				Recovery Limits
Surrogate Recovery:	Nitrobenzene-d5	82	%	35 - 114 %
	2-Fluorobiphenyl	74	%	43 - 116 %
	Terphenyl-d14	97	%	33 - 141 %

BETZ Analytical Services

Exemption 6- 1 word

Sample Description: [redacted]
Date Sampled: 2/25/93
Date Extracted: 3/1/93
Dilution: 2000mls/1ml

Laboratory ID: D0226503
Date Analyzed: 3/1/93
Analyst: KC

SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Compound Name	Retention Time (min.)	Est. Concentration ug/L
Unknown	11.98	7

BETZ Analytical Services

Sample Description: Trip Blank
Date Sampled: N/A
Analyst: CD

Laboratory ID: D0226504
Date Analyzed: 2/26/93 16:46

VOLATILE ORGANICS (EPA 524.2)
Drinking Water

Compound	ug/L
Benzene	ND
Bromobenzene	ND
Bromochloromethane	ND
Bromoform	ND
Bromomethane	ND
Bromodichloromethane	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
tert-Butylbenzene	ND
Carbon tetrachloride	ND
Chlorobenzene	ND
Chloroethane	ND
Chloroform	ND
Chloromethane	ND
2-Chlorotoluene	ND
4-Chlorotoluene	ND
Dibromochloromethane	ND
1,2-Dibromo-3-chloropropane	ND [3]
1,2-Dibromoethane	ND
Dibromomethane	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Dichlorodifluoromethane	ND
1,1-Dichloroethane	ND
1,2-Dichloroethane	ND
1,1-Dichloroethene	ND
cis-1,2-Dichloroethene	ND
trans-1,2-Dichloroethene	ND
1,2-Dichloropropane	ND
1,3-Dichloropropane	ND
2,2-Dichloropropane	ND
1,1-Dichloropropene	ND

BETZ Analytical Services

VOLATILE ORGANICS (EPA 524.2)
Drinking Water
(cont'd) Laboratory ID: D0226504

Compound	ug/L
cis-1,3-Dichloropropene	ND
trans-1,3-Dichloropropene	ND
Ethylbenzene	ND
Hexachlorobutadiene	ND
Isopropylbenzene	ND
4-Isopropyltoluene	ND
Methylene chloride	0.6JB
Naphthalene	ND
n-Propylbenzene	ND
Styrene	ND
1,1,1,2-Tetrachloroethane	ND
1,1,2,2-Tetrachloroethane	ND
Tetrachloroethene	ND
Toluene	ND
1,2,3-Trichlorobenzene	ND [2]
1,2,4-Trichlorobenzene	ND
1,1,1-Trichloroethane	ND
1,1,2-Trichloroethane	ND
Trichloroethene	ND
Trichlorofluoromethane	ND
1,2,3-Trichloropropane	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Vinyl chloride	ND
o-Xylenes	ND
m,p-Xylenes	ND

Limit of Practical Quantitation is 1 ug/L, unless otherwise noted in brackets.
J = Less than limit of quantitation but greater than zero.
B = Analyte present in method blank.

Surrogate Recovery:		Recovery Limits
1,2-Dichloroethane-d4	100 %	76-114 %
4-Bromofluorobenzene	98 %	86-115 %

BETZ Analytical Services

Sample Description: Method Blank
Analyst: CD

Date Analyzed: 2/26/93 16:46

VOLATILE ORGANICS (EPA 524.2)
Drinking Water

Compound	ug/L
Benzene	ND
Bromobenzene	ND
Bromochloromethane	ND
Bromoform	ND
Bromomethane	ND
Bromodichloromethane	ND
n-Butylbenzene	ND
sec-Butylbenzene	ND
tert-Butylbenzene	ND
Carbon tetrachloride	ND
Chlorobenzene	ND
Chloroethane	ND
Chloroform	ND
Chloromethane	ND
2-Chlorotoluene	ND
4-Chlorotoluene	ND
Dibromochloromethane	ND
1,2-Dibromo-3-chloropropane	ND [3]
1,2-Dibromoethane	ND
Dibromomethane	ND
1,2-Dichlorobenzene	ND
1,3-Dichlorobenzene	ND
1,4-Dichlorobenzene	ND
Dichlorodifluoromethane	ND
1,1-Dichloroethane	ND
1,2-Dichloroethane	ND
1,1-Dichloroethene	ND
cis-1,2-Dichloroethene	ND
trans-1,2-Dichloroethene	ND
1,2-Dichloropropane	ND
1,3-Dichloropropane	ND
2,2-Dichloropropane	ND
1,1-Dichloropropene	ND

BETZ Analytical Services

VOLATILE ORGANICS (EPA 524.2)
Drinking Water
(cont'd) Laboratory ID: METHOD BLANK

Compound	ug/L
cis-1,3-Dichloropropene	ND
trans-1,3-Dichloropropene	ND
Ethylbenzene	ND
Hexachlorobutadiene	ND
Isopropylbenzene	ND
4-Isopropyltoluene	ND
Methylene chloride	0.6J
Naphthalene	ND
n-Propylbenzene	ND
Styrene	ND
1,1,1,2-Tetrachloroethane	ND
1,1,2,2-Tetrachloroethane	ND
Tetrachloroethene	ND
Toluene	ND
1,2,3-Trichlorobenzene	ND [2]
1,2,4-Trichlorobenzene	ND
1,1,1-Trichloroethane	ND
1,1,2-Trichloroethane	ND
Trichloroethene	ND
Trichlorofluoromethane	ND
1,2,3-Trichloropropane	ND
1,2,4-Trimethylbenzene	ND
1,3,5-Trimethylbenzene	ND
Vinyl chloride	ND
o-Xylenes	ND
m,p-Xylenes	ND

Limit of Practical Quantitation is 1 ug/L, unless otherwise noted in brackets.
J = Less than limit of quantitation but greater than zero.

Surrogate Recovery:		Recovery Limits
1,2-Dichloroethane-d4	104 %	76-114 %
4-Bromofluorobenzene	105 %	86-115 %

Sampling

Res. Well
Public water well } next week for solvents

Contact Public Drinking water person @ OEPA

Talk w/ Enforcement team - friday → send General Notice Letter ASAP
1 week turn

Call Bill Batin S.Fu (614) 836-8754 - site visit → will start on Am.

Got desk for IA from Vicki or Bill Batin

Sid Zitzer, VP for Sam Winer Motors
(330) 628 - 4881 9:30 Thurs 8/3/00 - @ office of Sam Winer

Robert & Zitzer

Harvey is manager

- Address of Bar east side of gas pits

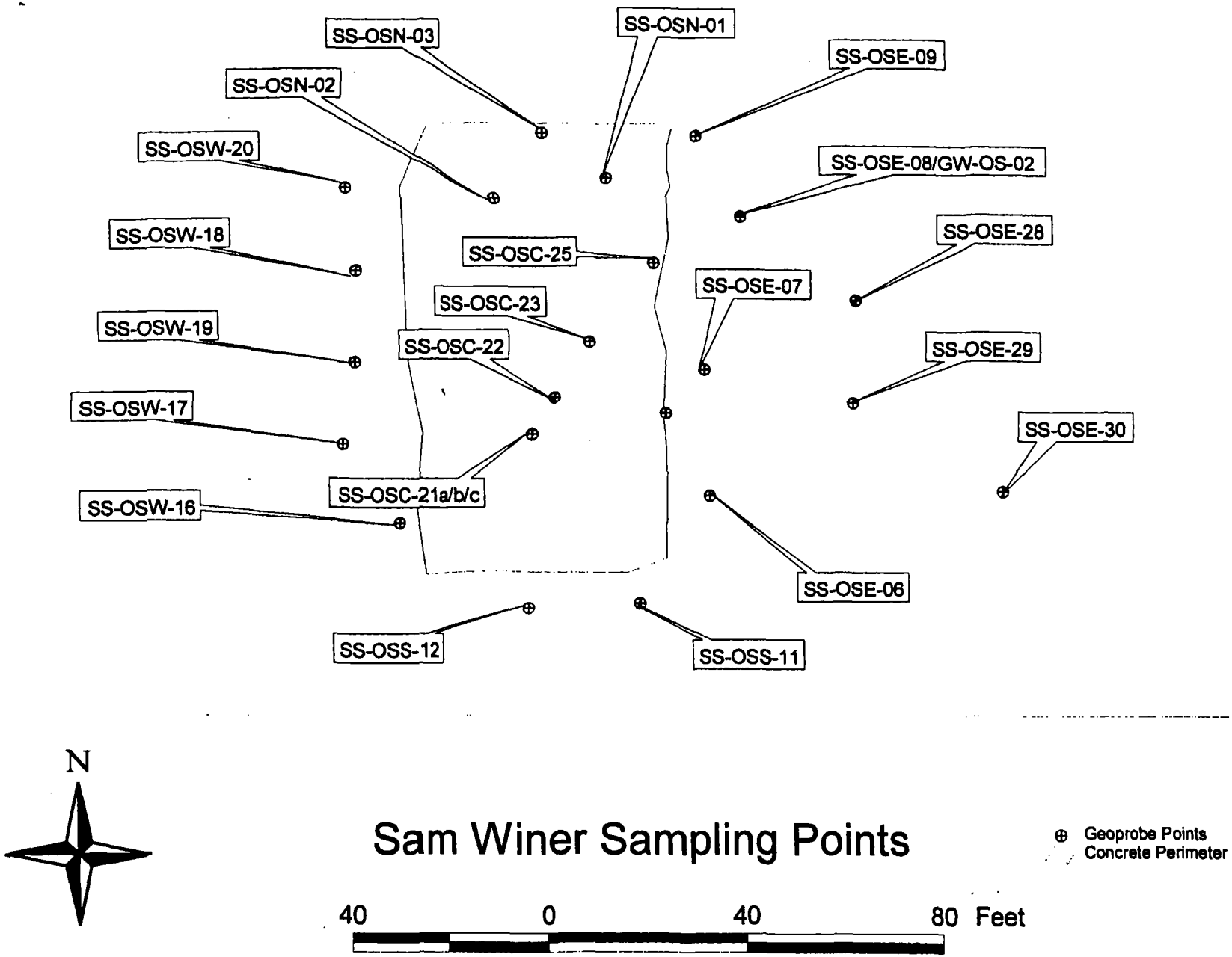
[redacted]
Exemption 6 - 1 line

Lat 41° 02' 36
Long 81 26 12 } in Waste Lan

CORLIS ID OHD 987054376

Sam Winer Sampling Point Coordinates
8/14-15/2000

Sample Number	Latitude degrees	Latitude minutes	Latitude seconds	Longitude degrees	Longitude minutes	Longitude seconds	Altitude feet
SS-OSC-21a/b/c	41	1	37.1171 +	81	24	15.00918	1179.182
SS-OSC-23	41	1	37.30192 +	81	24	14.85711	1179.17
SS-OSC-22	41	1	37.1911 +	81	24	14.9495	1184.275
SS-OSC-24/GW-OS-01	41	1	37.15681 +	81	24	14.65794	1173.577
SS-OSC-25	41	1	37.45792 +	81	24	14.68546	1174.257
SS-OSN-01	41	1	37.62804 +	81	24	14.80132	1177.902
SS-OSN-02	41	1	37.58986 +	81	24	15.09756	1175.28
SS-OSE-06	41	1	36.99129 +	81	24	14.54858	1176.552
SS-OSE-07	41	1	37.24543 +	81	24	14.55681	1177.87
SS-OSE-08/GW-OS-02	41	1	37.5505 +	81	24	14.45405	1177.093
SS-OSE-09	41	1	37.71238 +	81	24	14.56539	1174.695
SS-OSS-11	41	1	36.77776 +	81	24	14.73738	1177.559
SS-OSS-12	41	1	36.77022 +	81	24	15.02809	1173.885
SS-OSW-16	41	1	36.94408 +	81	24	15.36933	1176.512
SS-OSW-17	41	1	37.10182 +	81	24	15.51376	1175.453
SS-OSW-18	41	1	37.44929 +	81	24	15.47381	1180.765
SS-OSW-19	41	1	37.26603 +	81	24	15.48115	1179.943
SS-OSW-20	41	1	37.61455 +	81	24	15.49385	1182.208
SS-OSN-03	41	1	37.72056 +	81	24	14.96756	1172.832
SS-OSE-28	41	1	37.3807 +	81	24	14.15157	1177.801
SS-OSE-29	41	1	37.17511 +	81	24	14.1641	1178.897
SS-OSE-30	41	1	36.99337 +	81	24	13.77209	1175.367


SS-OSN-03
SS-OSN-01
SS-OSE-09
SS-OSN-02
SS-OSW-20
SS-OSE-08/GW-OS-02
SS-OSW-18
SS-OSC-25
SS-OSE-28
SS-OSE-07
SS-OSC-23
SS-OSW-19
SS-OSC-22
SS-OSE-29
SS-OSW-17
SS-OSE-30
SS-OSC-21a/b/c
SS-OSW-16
SS-OSE-06
SS-OSS-12
SS-OSS-11
N
Sam Winer Sampling Points
Geoprobe Points
Concrete Perimeter
40
0
40
80 Feet

Photovac MicroTIP Statistical Monitoring Report

Averaging Interval: 1 Readings
15 Seconds

Date	Time	Min	Avg	Max	Event	Status	Notes
May 03,93	07:34	8.9	10.9	14.2	084	Ready	START Calibration
		7.2	7.9	8.9		Ready	
		6.3	6.7	7.2		Ready	
		5.7	6.0	6.3		Ready	
	07:35	5.3	5.5	5.7		Ready	
		5.2	5.3	5.3		Ready	
		4.8	5.1	5.3		Ready	
		4.6	4.8	4.8		Ready	
	07:36	4.6	4.7	4.7		Ready	
		4.3	4.5	4.6		Ready	
		4.0	4.2	4.4		Ready	
		3.8	3.9	4.0		Over	
	07:37	3.7	3.8	3.8		Ready	
		3.6	3.7	3.7		Ready	
		3.5	3.5	3.6		Ready	
		3.4	3.5	3.5		Ready	
	07:38	3.1	3.3	3.4		Ready	
		2.9	3.0	3.1		Ready	
		2.8	2.9	2.9		Ready	
		2.7	2.8	2.9		Ready	
	07:39	2.6	2.7	2.7		Ready	
		2.4	2.5	2.6		Ready	
		2.3	2.4	2.5		Ready	
		2.3	2.4	2.4		Ready	
	07:40	2.3	2.4	2.4		Ready	
		2.2	2.3	2.3		Ready	
		2.1	2.1	2.2		Ready	
		2.0	2.1	2.2		Ready	
	07:41	1.9	2.0	2.1		Ready	
		1.8	1.9	1.9		Ready	
		1.8	1.9	2.0		Ready	
		1.8	1.9	1.9		Ready	
	07:42	1.7	1.8	1.8		Ready	
		1.6	1.7	1.7		Ready	
		1.6	1.6	1.7		Ready	
		1.5	1.6	1.6		Ready	
	07:43	1.6	1.7	1.7		Ready	
		1.6	1.7	1.7		Ready	
		1.5	1.6	1.6		Ready	
		1.4	1.5	1.5		Ready	
	07:44	1.4	1.5	1.5		Ready	
		1.2	1.3	1.4		Ready	
		1.2	1.2	1.2		Ready	
		1.2	1.3	1.3		Ready	
	07:45	1.1	1.2	1.2		Ready	
		1.1	1.2	1.2		Ready	
		1.0	1.1	1.1		Ready	
		1.0	1.1	1.1		Ready	
	07:46	0.9	1.0	1.0		Ready	
		1.0	1.1	1.2		Ready	
		0.9	1.0	1.1		Ready	
		0.9	1.0	1.1		Ready	
	07:47	0.9	1.0	1.0		Ready	
		0.8	0.9	0.9		Ready	

	0.8	0.9	0.9		Ready	
	0.9	1.0	1.0		Ready	
07:48	0.9	1.0	1.0		Ready	
	0.9	1.0	1.1		Ready	
	1.0	1.1	1.1		Ready	
	0.8	0.9	1.0		Ready	
07:49	0.9	1.0	1.0		Ready	
	0.8	0.9	1.0		Ready	
	0.8	0.9	0.9		Ready	
	0.8	1.5	5.8		Ready	
07:50	0.8	1.0	1.0		Ready	
	0.9	1.0	1.0		Cal	
	0.8	1.0	1.0		Cal	
	0.0	0.2	0.8		Cal	
07:51	0.0	0.0	0.0		Cal	
	0.0	33.7	96.0		Ready	
	96.0	97.4	98.4		Ready	
	98.4	99.4	100		Alarm	
07:52	100	101	101		Alarm	
	101	101	101		Alarm	
	2.8	26.8	101		Alarm	
	1.0	1.8	2.8		Ready	
07:53	0.3	0.6	1.0		Ready	
	0.0	0.1	0.3		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
07:54	0.0	0.0	0.0		Ready	END Calibration
11:57	0.0	0.0	0.0	086	Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
11:58	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
11:59	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
12:00	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
12:01	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
12:02	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
12:03	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
12:04	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
	0.0	0.0	0.0		Ready	
12:05	0.0	0.4	1.3		Ready	

	1.3	1.8	2.0		Ready
	1.8	2.4	2.6		Ready
	2.4	2.6	3.0		Ready
12:06	2.3	2.7	3.1		Ready
	2.3	2.9	3.4		Ready
	3.2	3.4	3.5		Ready
	2.6	2.9	3.4		Ready
12:07	1.0	2.4	2.7		Ready
	0.0	0.2	1.0		Ready
	0.3	0.8	1.0		Ready
	1.0	1.4	1.8		Ready
12:08	1.8	2.7	3.1		Ready
	2.7	2.9	3.4		Ready
	2.7	4.1	5.3		Ready
	4.2	5.4	6.0		Ready
12:09	2.7	3.3	4.2		Ready
	1.2	1.8	2.8		Ready
	1.3	1.8	2.0		Ready
	2.0	2.8	3.1		Ready
12:10	2.9	3.0	3.1		Ready
	2.8	2.9	3.2		Ready
	0.0	1.3	3.4		Ready
	0.0	0.0	0.0		Ready
12:11	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
12:12	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
12:13	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
12:14	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
12:15	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
12:16	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
12:17	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
	0.0	0.0	0.0		LoBat
12:28	0.0	0.0	0.0	087	LoBat
	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
12:29	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready
12:30	0.0	0.0	0.0		Ready
	0.0	0.0	0.0		Ready

	0.0	0.0	0.0	Ready	
	0.0	0.0	0.0	Ready	
12:31	0.0	0.0	0.0	Ready	
	0.0	0.0	0.0	Ready	
	0.0	0.0	0.0	Ready	
	0.0	0.0	0.0	Ready	
12:32	0.0	0.0	0.0	Ready	
	0.0	0.0	0.0	Ready	
	0.0	0.1	0.3	Ready	
	0.3	0.5	0.7	Ready	
12:33	0.7	0.9	1.2	Ready	
	1.2	1.4	1.5	Ready	
	1.4	1.7	2.0	Ready	
	2.0	2.2	2.3	Ready	
12:34	2.3	2.4	2.5	Ready	
	2.5	2.6	2.7	Ready	
	2.3	2.5	2.7	Ready	
	1.9	2.1	2.3	Ready	
12:35	1.9	2.2	2.5	Ready	
	2.2	2.3	2.5	Ready	
	2.3	2.3	2.4	Ready	
	2.2	2.3	2.4	Ready	
12:36	2.2	2.3	2.3	Ready	
	1.1	1.8	2.3	Ready	
	0.0	0.3	1.1	Ready	
	0.0	0.0	0.0	Ready	
12:37	0.0	0.0	0.0	Ready	
	0.0	0.0	0.0	Ready	
	0.0	0.0	0.0	Ready	
	0.0	0.1	0.4	Ready	
12:38	0.4	0.6	0.9	Ready	
	0.9	1.2	1.4	Ready	
	1.4	1.6	1.6	Ready	
	1.6	1.7	1.7	Ready	

INTER OFFICE COMMUNICATION

TO: MIKE BOLAS, DERR

FROM: BILL ZAWISKI, DWPC

SUBJECT: SPRINGFIELD SAMPLING

DATE: August 13, 1993

A review of the sample results has been completed with speed and accuracy. Based on my highly qualified observations I offer the following comments.

Ammonia: WQS for NH_3 are based on temperature and pH. The level of 2.0 mg/l at a pH of 6.8 S.U. would have a WQS limit of 13.0 mg.l.

BOD: The BOD was lower than even I expected indicating organic contamination was not present.

Of the two metals detected, only zinc is above WQS. At a hardness of 484 mg/l the zinc limit outside the mixing zone would be 0.442 mg/l. The inside mixing zone number would be 0.884 mg/l. Since the discharge appears to be an artisan well, mother nature does not qualify as a regulated entity. The Recommended Dietary Allowance (RDA) for zinc is 12.0 mg/l day. Based on this, one would need to drink 7.3 l of this water to meet the RDA.

Other than the above, all other parameters analyzed were below any levels meriting further concern.

WJZ:bp

EPA - WATER TESTS

HEAVY METALS
ARSENIC BARIUM CADMIUM CHROMIUM LEAD MERCURY SELENIUM SILV

VOC VOLATILE ORGANIC COMPOUNDS - ASSOCIATED WITH:
SOLVENTS, CLEANING COMPOUNDS, COMPONENTS OF GASOLINE

SEMIVOLATILES - OTHER CLEANING COMPOUNDS, DEGREASER

FEW OTHER THINGS - GENERAL WATER QUAL.

ENVIRONMENTAL INSPECTION:
HEATING - VENTILATION SYSTEM
INSPECT AIR INTAKES, AIR FILTERS
LOOK FOR ANY EVIDENCE ~~OF MOLD OR BACTERIAL GROWTH~~ MOISTURE OR DAMPNESS IN THE HEATING SYSTEM (THAT MIGHT CAUSE MOLD OR BACTERIAL GROWTH)
MAKE SURE THERE'S NO CO PROBLEMS

CHECK FOR ANY UNUSUAL ODORS

CHECK TYPES OF CONSTRUCTION MATERIALS
GLUES, RESIN OR FIBER BOARD, PANELING, PARTICLE BOARD
CARPETING OR INSULATION MAY CAUSE PROBLEMS

Biogenic particles

① bacteria mold algae fungi

② house dust

6801 Engle Road, Suite G
Middleburg Heights, Ohio 44130
Telephone: (440) 234-0886
Facsimile: (440) 234-1725

Tetra Tech EM Inc.

To: Lisa Gracczyk — Date: 1/25/01

Company: TtEm I — Pages: 2

From: A. Bisher — Fax:

Re: Samples for 505.0012-005

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Here's the chains I sent it

— AB

CLEVELAND

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE
REMOVAL AND PREVENTION EPA CONTRACT 68-01-7367

WELL SAMPLING FORM

Name of Well Owner: Exemption 6-1 line [redacted]

Address: Exemption 6-1 line [redacted], Akron, Oh 44312

Phone #: (Exemption 6-1 line [redacted]) Work #: ( )

Population Served: 6

# of Service Connections: 1

Well : ✓ Yes ____ No

Depth of Well: 71 ft

Approximate elevation of well location: ____

Driller: ____

Year Constructed: ~~Approx~~ 1970

Pressure Tank: ✓ Yes ____ No Size: 20 gal
____ Flow-Thru ____ Floater

Plumbing: copper: ✓ galvanized: ____ PVC: ✓

Treatment: softener: ✓ iron removal: ____ carbon: ____

Outside Tap: ✓ yes ____ no

On-lot septic system: ✓ yes ____ no

Water Use: drinking ✓ bathing ✓ sanitary only ____ business ____ private home ✓ Non-comm pws ____ community pws ____

Location sample was taken: Utility Sink

Comments: ~~Bag~~ Water is flowing through two paper filters which can not be by-passed. Water softener is turned off (by passed)

Samplers: Anne Busher
Kelly Smith

1015 Begin to purge well
18 min purge time

6801 Engle Road, Suite G
Middleburg Heights, Ohio 44130
Telephone: (440) 234-0886
Facsimile: (440) 234-1725

Tetra Tech EM Inc.

To: Clay Curtiss
Date: 4/8/02
Company: Clean Harbors
Pages: Lots
From: Joe Bieglow
Fax: 216-429-2713
Re: Sam Winer Motors Inc. Site

☐ Urgent ☐ For Review ☒ Please Comment ☐ Please Reply ☐ Please Recycle

Dear Clay - please find attached the complete analyses for the purge water. 1S-SWM is the 55-gallon drum analysis and 1D-SWM, 2D1-SWM, 3D-SWM and 4D-SWM represent the quality of the 1,100 gallons in the tote. Please provide cost estimate! Call if you have questions!

Thanks

Joe

- Analytical Report -

Project Name : SAM WINER MO
Project Number G9009E0112006
Field ID : 1S-SWM
Lab Sample Number 920509-007
Lab Project Number 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/12/02
Collection Date : 2/20/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

Volatile Organic Results

SPECIAL VOLATILE LIST - WATER

Prep Method: SW846 5030

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
1,1,1,2-Tetrachloroethane	<	100	100	ug/L		2/26/02	SW846 8260B
1,1,1-Trichloroethane		9200	100	ug/L		2/26/02	SW846 8260B
1,1,2,2-Tetrachloroethane	<	100	100	ug/L		2/26/02	SW846 8260B
1,1,2-Trichloroethane	<	100	100	ug/L		2/26/02	SW846 8260B
1,1,2-Trichlorotrifluoroethane		1100	100	ug/L		2/26/02	SW846 8260B
1,1-Dichloroethane		1900	100	ug/L		2/26/02	SW846 8260B
1,1-Dichloroethene	<	100	100	ug/L		2/26/02	SW846 8260B
1,1-Dichloropropene	<	100	100	ug/L		2/26/02	SW846 8260B
1,2,3-Trichlorobenzene	<	100	100	ug/L		2/26/02	SW846 8260B
1,2,3-Trichloropropane	<	100	100	ug/L		2/26/02	SW846 8260B
1,2,4-Trichlorobenzene	<	100	100	ug/L		2/26/02	SW846 8260B
1,2,4-Trimethylbenzene	<	100	100	ug/L		2/26/02	SW846 8260B
1,2-Dibromo-3-chloropropane	<	120	120	ug/L		2/26/02	SW846 8260B
1,2-Dibromoethane	<	49	49	ug/L		2/26/02	SW846 8260B
1,2-Dichlorobenzene		1100	100	ug/L		2/26/02	SW846 8260B
1,2-Dichloroethane		500	100	ug/L		2/26/02	SW846 8260B
1,2-Dichloropropane	<	100	100	ug/L		2/26/02	SW846 8260B
1,3,5-Trimethylbenzene	<	100	100	ug/L		2/26/02	SW846 8260B
1,3-Dichlorobenzene	<	100	100	ug/L		2/26/02	SW846 8260B
1,3-Dichloropropane	<	100	100	ug/L		2/26/02	SW846 8260B
1,4-Dichlorobenzene		130	100	ug/L		2/26/02	SW846 8260B
1-Chlorohexane	<	100	100	ug/L		2/26/02	SW846 8260B
2,2-Dichloropropane	<	100	100	ug/L		2/26/02	SW846 8260B
2-Butanone	<	500	500	ug/L		2/26/02	SW846 8260B
2-Chlorotoluene	<	100	100	ug/L		2/26/02	SW846 8260B
2-Hexanone	<	500	500	ug/L		2/26/02	SW846 8260B
4-Chlorotoluene	<	100	100	ug/L		2/26/02	SW846 8260B
4-Methyl-2-pentanone	<	500	500	ug/L		2/26/02	SW846 8260B
Acetone		610	500	ug/L		2/26/02	SW846 8260B
Acrolein	<	2000	2000	ug/L		2/26/02	SW846 8260B
Acrylonitrile	<	500	500	ug/L		2/26/02	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number G9009E0112006
Field ID : 1S-SWM
Lab Sample Number 920509-007
Lab Project Number 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/12/02
Collection Date : 2/20/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

Benzene	<	100	100	ug/L	2/26/02	SW846 8260B
Bromobenzene	<	100	100	ug/L	2/26/02	SW846 8260B
Bromochloromethane	<	100	100	ug/L	2/26/02	SW846 8260B
Bromodichloromethane	<	100	100	ug/L	2/26/02	SW846 8260B
Bromoform	<	100	100	ug/L	2/26/02	SW846 8260B
Bromomethane	<	200	200	ug/L	2/26/02	SW846 8260B
Carbon disulfide	<	100	100	ug/L	2/26/02	SW846 8260B
Carbon tetrachloride	<	100	100	ug/L	2/26/02	SW846 8260B
Chlorobenzene	<	100	100	ug/L	2/26/02	SW846 8260B
Chlorodibromomethane	<	100	100	ug/L	2/26/02	SW846 8260B
Chloroethane	<	200	200	ug/L	2/26/02	SW846 8260B
Chloroform	<	100	100	ug/L	2/26/02	SW846 8260B
Chloromethane	<	200	200	ug/L	2/26/02	SW846 8260B
cis-1,2-Dichloroethene		360	100	ug/L	2/26/02	SW846 8260B
cis-1,3-Dichloropropene	<	100	100	ug/L	2/26/02	SW846 8260B
cis1,4-Dichloro-2-butene	<	100	100	ug/L	2/26/02	SW846 8260B
Cyclohexanone	<	10000	10000	ug/L	2/26/02	SW846 8260B
Dibromomethane	<	100	100	ug/L	2/26/02	SW846 8260B
Dichlorodifluoromethane	<	200	200	ug/L	2/26/02	SW846 8260B
Dichlorofluoromethane	<	200	200	ug/L	2/26/02	SW846 8260B
Diethyl ether	<	100	100	ug/L	2/26/02	SW846 8260B
Ethyl methacrylate	<	500	500	ug/L	2/26/02	SW846 8260B
Ethylbenzene		1100	100	ug/L	2/26/02	SW846 8260B
Fluorotrichloromethane	<	200	200	ug/L	2/26/02	SW846 8260B
Hexachlorobutadiene	<	100	100	ug/L	2/26/02	SW846 8260B
Iodomethane	<	500	500	ug/L	2/26/02	SW846 8260B
Isopropylbenzene	<	100	100	ug/L	2/26/02	SW846 8260B
Methyl methacrylate	<	500	500	ug/L	2/26/02	SW846 8260B
Methyl-tert-butyl-ether	<	100	100	ug/L	2/26/02	SW846 8260B
Methylene chloride		5400	100	ug/L	2/26/02	SW846 8260B
n-Butylbenzene	<	100	100	ug/L	2/26/02	SW846 8260B
N-Heptane	<	500	500	ug/L	2/26/02	SW846 8260B
n-Propylbenzene	<	100	100	ug/L	2/26/02	SW846 8260B
Naphthalene	<	100	100	ug/L	2/26/02	SW846 8260B
p-Isopropyltoluene	<	100	100	ug/L	2/26/02	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number G9009E0112006
Field ID : 1S-SWM
Lab Sample Number 920509-007
Lab Project Number 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/12/02
Collection Date : 2/20/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

s-Butylbenzene	<	100	100	ug/L	2/26/02	SW846 8260B
Styrene		180	100	ug/L	2/26/02	SW846 8260B
t-Butylbenzene	<	100	100	ug/L	2/26/02	SW846 8260B
Tetrachloroethene		230	100	ug/L	2/26/02	SW846 8260B
Tetrahydrofuran	<	500	500	ug/L	2/26/02	SW846 8260B
Toluene		17000	100	ug/L	2/26/02	SW846 8260B
trans-1,2-Dichloroethene	<	100	100	ug/L	2/26/02	SW846 8260B
trans-1,3-Dichloropropene	<	100	100	ug/L	2/26/02	SW846 8260B
trans-1,4-Dichloro-2-butene	<	500	500	ug/L	2/26/02	SW846 8260B
Trichloroethene		6000	100	ug/L	2/26/02	SW846 8260B
Vinyl acetate	<	100	100	ug/L	2/26/02	SW846 8260B
Vinyl chloride	<	200	200	ug/L	2/26/02	SW846 8260B
Xylene, o-		1100	100	ug/L	2/26/02	SW846 8260B
Xylenes, m-, p-		3300	200	ug/L	2/26/02	SW846 8260B

- Analytical Report -

Project Name : SAM WINER MO
Project Number G9009E0112006
Field ID : 1S-SWM
Lab Sample Number 920509-007
Lab Project Number 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/12/02
Collection Date : 2/20/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

SPECIAL SEMI-VOLATILE LIST Prep Method: SW846 3510 Prep Date: 2/25/02

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
1,2,4-Trichlorobenzene	<	950	950	ug/L		3/1/02	SW846 8270C
1,2-Dichlorobenzene	<	950	950	ug/L		3/1/02	SW846 8270C
1,2-Diphenylhydrazine	<	950	950	ug/L		3/1/02	SW846 8270C
1,3-Dichlorobenzene	<	950	950	ug/L		3/1/02	SW846 8270C
1,4-Dichlorobenzene	<	950	950	ug/L		3/1/02	SW846 8270C
2,2'-oxybis(1-Chloropropane)	<	950	950	ug/L		3/1/02	SW846 8270C
2,4,5-Trichlorophenol	<	2400	2400	ug/L		3/1/02	SW846 8270C
2,4,6-Trichlorophenol	<	950	950	ug/L		3/1/02	SW846 8270C
2,4-Dichlorophenol	<	950	950	ug/L		3/1/02	SW846 8270C
2,4-Dimethylphenol	<	950	950	ug/L		3/1/02	SW846 8270C
2,4-Dinitrophenol	<	2400	2400	ug/L		3/1/02	SW846 8270C
2,4-Dinitrotoluene	<	950	950	ug/L		3/1/02	SW846 8270C
2,6-Dinitrotoluene	<	950	950	ug/L		3/1/02	SW846 8270C
2-Chloronaphthalene	<	950	950	ug/L		3/1/02	SW846 8270C
2-Chlorophenol	<	950	950	ug/L		3/1/02	SW846 8270C
2-Methylnaphthalene	<	950	950	ug/L		3/1/02	SW846 8270C
2-Methylphenol	<	950	950	ug/L		3/1/02	SW846 8270C
2-Nitroaniline	<	2400	2400	ug/L		3/1/02	SW846 8270C
2-Nitrophenol	<	950	950	ug/L		3/1/02	SW846 8270C
3,3-Dichlorobenzidine	<	950	950	ug/L		3/1/02	SW846 8270C
3-Nitroaniline	<	2400	2400	ug/L		3/1/02	SW846 8270C
4,6-Dinitro-2-methylphenol	<	2400	2400	ug/L		3/1/02	SW846 8270C
4-Bromophenyl phenyl ether	<	950	950	ug/L		3/1/02	SW846 8270C
4-Chloro-3-methylphenol	<	950	950	ug/L		3/1/02	SW846 8270C
4-Chloroaniline	<	950	950	ug/L		3/1/02	SW846 8270C
4-Chlorophenyl phenyl ether	<	950	950	ug/L		3/1/02	SW846 8270C
4-Methylphenol	<	950	950	ug/L		3/1/02	SW846 8270C
4-Nitroaniline	<	2400	2400	ug/L		3/1/02	SW846 8270C
4-Nitrophenol	<	2400	2400	ug/L		3/1/02	SW846 8270C
Acenaphthene	<	950	950	ug/L		3/1/02	SW846 8270C
Acenaphthylene	<	950	950	ug/L		3/1/02	SW846 8270C
Aniline	<	950	950	ug/L		3/1/02	SW846 8270C

- Analytical Report -

Project Name : SAM WINER MO
Project Number G9009E0112006
Field ID : 1S-SWM
Lab Sample Number 920509-007
Lab Project Number 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/12/02
Collection Date : 2/20/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

Anthracene	<	950	950	ug/L		3/1/02	SW846 8270C
Benzidine	<	4800	4800	ug/L		3/1/02	SW846 8270C
Benzo(a)anthracene	<	950	950	ug/L		3/1/02	SW846 8270C
Benzo(b)fluoranthene	<	950	950	ug/L		3/1/02	SW846 8270C
Benzo(g,h,i)perylene	<	950	950	ug/L		3/1/02	SW846 8270C
Benzo(k)fluoranthene	<	950	950	ug/L		3/1/02	SW846 8270C
Benzoic acid	<	19000	19000	ug/L		3/1/02	SW846 8270C
Benzyl alcohol	<	950	950	ug/L		3/1/02	SW846 8270C
bis(2-Chloroethoxy)methane	<	950	950	ug/L		3/1/02	SW846 8270C
bis(2-Chloroethyl)ether	<	950	950	ug/L		3/1/02	SW846 8270C
bis(2-Ethylhexyl)phthalate		12000	950	ug/L		3/1/02	SW846 8270C
Butylbenzylphthalate	<	950	950	ug/L		3/1/02	SW846 8270C
Chrysene	<	950	950	ug/L		3/1/02	SW846 8270C
Di-n-butylphthalate	<	950	950	ug/L		3/1/02	SW846 8270C
Di-n-octylphthalate	<	950	950	ug/L		3/1/02	SW846 8270C
Dibenzo(a,h)anthracene	<	950	950	ug/L		3/1/02	SW846 8270C
Dibenzofuran	<	950	950	ug/L		3/1/02	SW846 8270C
Diethylphthalate	<	950	950	ug/L		3/1/02	SW846 8270C
Dimethylphthalate	<	950	950	ug/L		3/1/02	SW846 8270C
Fluoranthene	<	950	950	ug/L		3/1/02	SW846 8270C
Fluorene	<	950	950	ug/L		3/1/02	SW846 8270C
Hexachlorobenzene	<	200	200	ug/L		3/1/02	SW846 8270C
Hexachlorobutadiene	<	950	950	ug/L		3/1/02	SW846 8270C
Hexachlorocyclopentadiene	<	950	950	ug/L		3/1/02	SW846 8270C
Hexachloroethane	<	950	950	ug/L		3/1/02	SW846 8270C
Indeno(1,2,3-cd)pyrene	<	950	950	ug/L		3/1/02	SW846 8270C
Isophorone	<	950	950	ug/L		3/1/02	SW846 8270C
N-Nitroso-di-n-propylamine	<	950	950	ug/L		3/1/02	SW846 8270C
N-Nitrosodimethylamine	<	950	950	ug/L		3/1/02	SW846 8270C
N-Nitrosodiphenylamine		25000	2900	ug/L	D	3/1/02	SW846 8270C
Naphthalene	<	950	950	ug/L		3/1/02	SW846 8270C
Nitrobenzene	<	950	950	ug/L		3/1/02	SW846 8270C
Pentachlorophenol	<	200	200	ug/L		3/1/02	SW846 8270C
Phenanthrene	<	950	950	ug/L		3/1/02	SW846 8270C
Phenol	<	950	950	ug/L		3/1/02	SW846 8270C

- Analytical Report -

Project Name : SAM WINER MO
Project Number G9009E0112006
Field ID : 1S-SWM
Lab Sample Number 920509-007
Lab Project Number 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/12/02
Collection Date : 2/20/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

Semivolatile Organic Results

GC/MS SIM - SEMIVOLATILES **Prep Method:** SW846 3510C **Prep Date:** 2/25/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Benzo(a)pyrene	< 0.20	0.20	ug/L		2/27/02	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

- Analytical Report -

Project Name : SAM WINER MO
Project Number G9009E0112006
Field ID : 1S-SWM
Lab Sample Number 920509-007
Lab Project Number 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/12/02
Collection Date : 2/20/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

Pyrene	<	950	950	ug/L		3/1/02	SW846 8270C
Pyridine	<	950	950	ug/L		3/1/02	SW846 8270C

NOTE: N-Nitrosodiphenylamine cannot be separated from diphenylamine.

Semivolatile Organic Results

ORGANOCHLORINE PESTICIDE LIST Prep Method: SW846 3510C Prep Date: 2/25/02

Analyte		Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	<	0.094	0.094	ug/L		2/27/02	SW846 8081A
4,4'-DDE	<	0.094	0.094	ug/L		2/27/02	SW846 8081A
4,4'-DDT	<	0.094	0.094	ug/L		2/27/02	SW846 8081A
Aldrin	<	0.047	0.047	ug/L		2/27/02	SW846 8081A
alpha-BHC	<	0.047	0.047	ug/L		2/27/02	SW846 8081A
alpha-Chlordane		0.072	0.047	ug/L	P	2/27/02	SW846 8081A
beta-BHC	<	0.047	0.047	ug/L		2/27/02	SW846 8081A
delta-BHC		0.21	0.047	ug/L	P	2/27/02	SW846 8081A
Dieldrin	<	0.094	0.094	ug/L		2/27/02	SW846 8081A
Endosulfan I	<	0.047	0.047	ug/L		2/27/02	SW846 8081A
Endosulfan II	<	0.094	0.094	ug/L		2/27/02	SW846 8081A
Endosulfan sulfate	<	0.094	0.094	ug/L		2/27/02	SW846 8081A
Endrin	<	0.094	0.094	ug/L		2/27/02	SW846 8081A
Endrin aldehyde	<	0.094	0.094	ug/L		2/27/02	SW846 8081A
Endrin ketone	<	0.094	0.094	ug/L		2/27/02	SW846 8081A
gamma-BHC (Lindane)	<	0.16	0.16	ug/L	S	2/27/02	SW846 8081A
gamma-Chlordane		0.072	0.047	ug/L	P	2/27/02	SW846 8081A
Heptachlor	<	0.047	0.047	ug/L		2/27/02	SW846 8081A
Heptachlor epoxide	<	0.047	0.047	ug/L		2/27/02	SW846 8081A
Methoxychlor	<	0.47	0.47	ug/L		2/27/02	SW846 8081A
Toxaphene	<	3.0	3.0	ug/L		2/27/02	SW846 8081A

- Analytical Report -

Project Name : SAM WINER MO
Project Number G9009E0112006
Field ID : 1S-SWM
Lab Sample Number 920509-007
Lab Project Number 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/12/02
Collection Date : 2/20/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

PCB LIST — Prep Method: SW846 3510 — Prep Date: 2/25/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
Aroclor 1016	< 0.50	0.50	ug/L		3/1/02	SW846 8082
Aroclor 1221	< 0.50	0.50	ug/L		3/1/02	SW846 8082
Aroclor 1232	< 0.50	0.50	ug/L		3/1/02	SW846 8082
Aroclor 1242	< 0.50	0.50	ug/L		3/1/02	SW846 8082
Aroclor 1248	< 0.50	0.50	ug/L		3/1/02	SW846 8082
Aroclor 1254	< 0.50	0.50	ug/L		3/1/02	SW846 8082
Aroclor 1260	< 0.50	0.50	ug/L		3/1/02	SW846 8082

- Analytical Report -

Project Name : SAM WINER MO
Project Number G9009E0112006
Field ID : 1S-SWM
Lab Sample Number 920509-007
Lab Project Number 920509

Submitter : TETRA TECH EM, INC
Report Date : 3/13/02
Collection Date : 2/20/02
Matrix Type : WATER
WI DNR LAB ID : 113172950

Inorganic Results

Test	Result	EQL	Units	Code	Analysis Date	Prep Method	Analysis Method
Aluminum	< 200	200	ug/L		3/5/02	SW846 3015	SW846 6020
Antimony	< 6.0	6.0	ug/L		3/5/02	SW846 3015	SW846 6020
Arsenic	< 10	10	ug/L		3/5/02	SW846 3015	SW846 6020
Barium	110	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Beryllium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cadmium	< 1.0	1.0	ug/L		3/5/02	SW846 3015	SW846 6020
Calcium	150000	100	ug/L		3/11/02	SW846 3015	SW846 6020
Chromium	3.4	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Cobalt	< 3.0	3.0	ug/L		3/5/02	SW846 3015	SW846 6020
Copper	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Iron	780	50	ug/L		3/5/02	SW846 3015	SW846 6020
Lead	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Magnesium	27000	30	ug/L		3/11/02	SW846 3015	SW846 6020
Manganese	700	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Mercury	< 0.20	0.20	ug/L		2/28/02	SW846 7470A	SW846 7470A
Nickel	7.9	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Potassium	12000	100	ug/L		3/11/02	SW846 3015	SW846 6020
Selenium	< 10	10	ug/L		3/11/02	SW846 3015	SW846 6020
Silver	< 5.0	5.0	ug/L		3/11/02	SW846 3015	SW846 6020
Sodium	89000	300	ug/L		3/11/02	SW846 3015	SW846 6020
Thallium	< 2.0	2.0	ug/L		3/5/02	SW846 3015	SW846 6020
Vanadium	< 5.0	5.0	ug/L		3/5/02	SW846 3015	SW846 6020
Zinc	68	20	ug/L		3/5/02	SW846 3015	SW846 6020

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MAPQUEST.

E Waterloo Rd At Canton Rd
Akron, OH
44312, US

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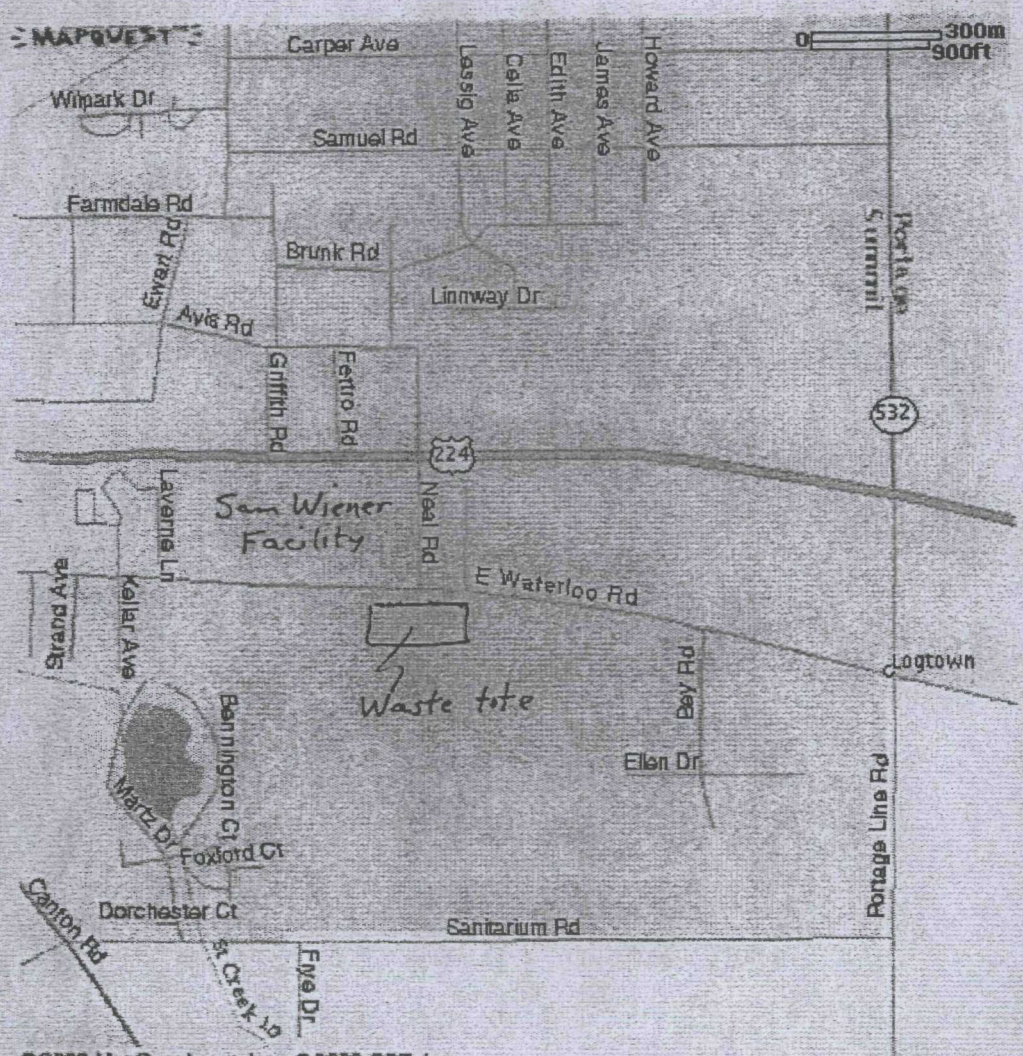

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Middleburg Heights, Ohio 44130
Telephone: (440) 234-0886
Facsimile: (440) 234-1725

Tetra Tech EM Inc.

To: Karl Guenther
Date: 4/11/02
Company: Chemtron
Pages: 15
From: Joe Blaglow
Fax: 440 - 937 - 5585
Re: Sam Winer Waste Disposal - RFP

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Per our earlier conversation.

P.S. I have 7 drums you can pick up anytime!

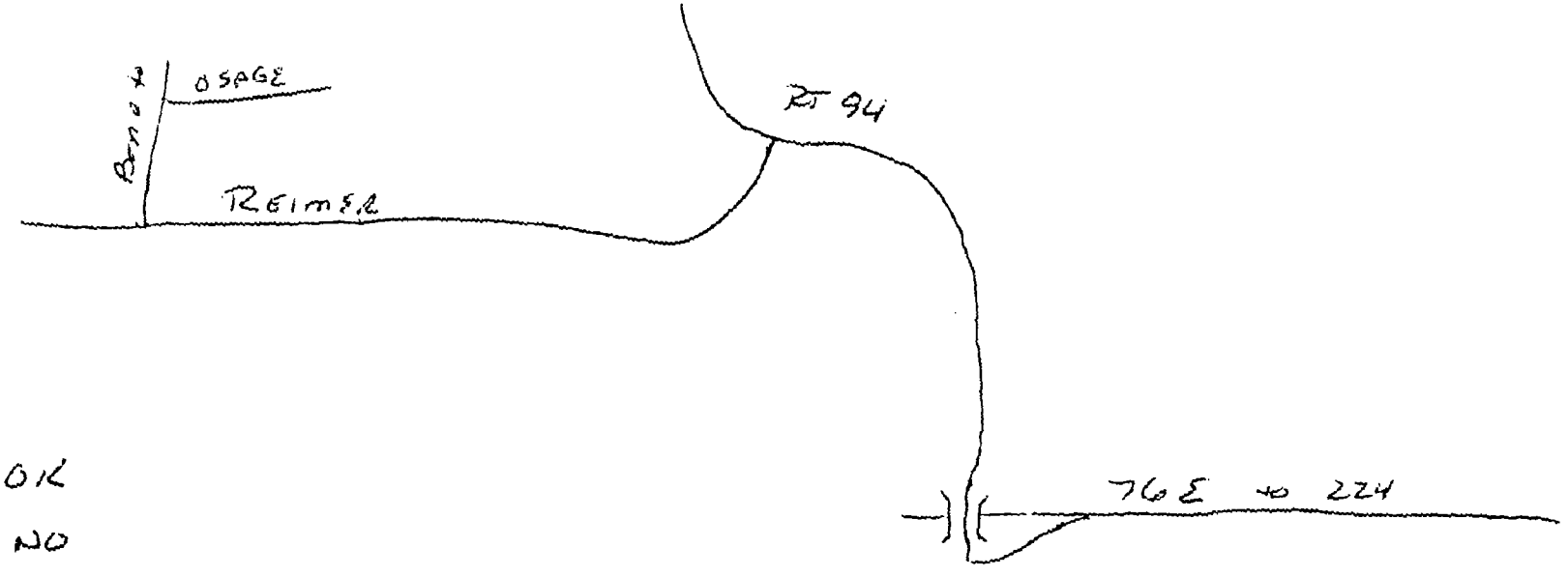
Thanks

Joe

Ian Curtiss - Clean Harbors
416 429-2713 (fax
429-2401

well ~~MW-3D~~	Start	Stop	Total	Rate	Total Purge
MW-3D	1000	1045	45	1.25	56.25
	1045	1215	90	1.67	150.3
					206.55
MW-4D	1415	1618	123	1.67	205.41
MW-2D	1300	1730	270	0.5	135
	1730	1815	45	1.25	56.25
					191.25
MW-1D	1000	1445	285	1.25	356.25

559.5 gal



M - OK

T - NO

~~[illegible]~~

W - NO

Th - after noon OK

F - OK

Middleburg Heights, Ohio 44130
Telephone: (440) 234-0886
Facsimile: (440) 234-1725

Tetra Tech EM Inc.

To: Dave Stroh
Date: 4/24/02
Company: EnviroClean
Pages: 2
From: Joe Braglow
Fax: 330-264-4098
Re: Sam Winer Motors - Site Directions

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Dave - please inform driver that the site is a vacant lot south of Sam Winer Motors at E. Waterloo and Neal Rd. It's used for truck parking. Have him look for 2,000 gallon tote. I'll be there at 9:15. Thanks!

Jo

P.S. I'll have my cell phone if he get's lost - (440)-655-5884

~~Tonya Lewis~~

Shar

271 to 77 south
to 21 south to Minor Rd
take rt at light till end
1 - 1½ to Medina Line
Fixler road 5 mi to Bonita
take left
1 mi Osage Trail (right)
3rd new house on left (2311)

Mike Bulaso
330 763-1109

Middleburg Heights, Ohio 44130
Telephone: (440) 234-0886
Facsimile: (440) 234-1725

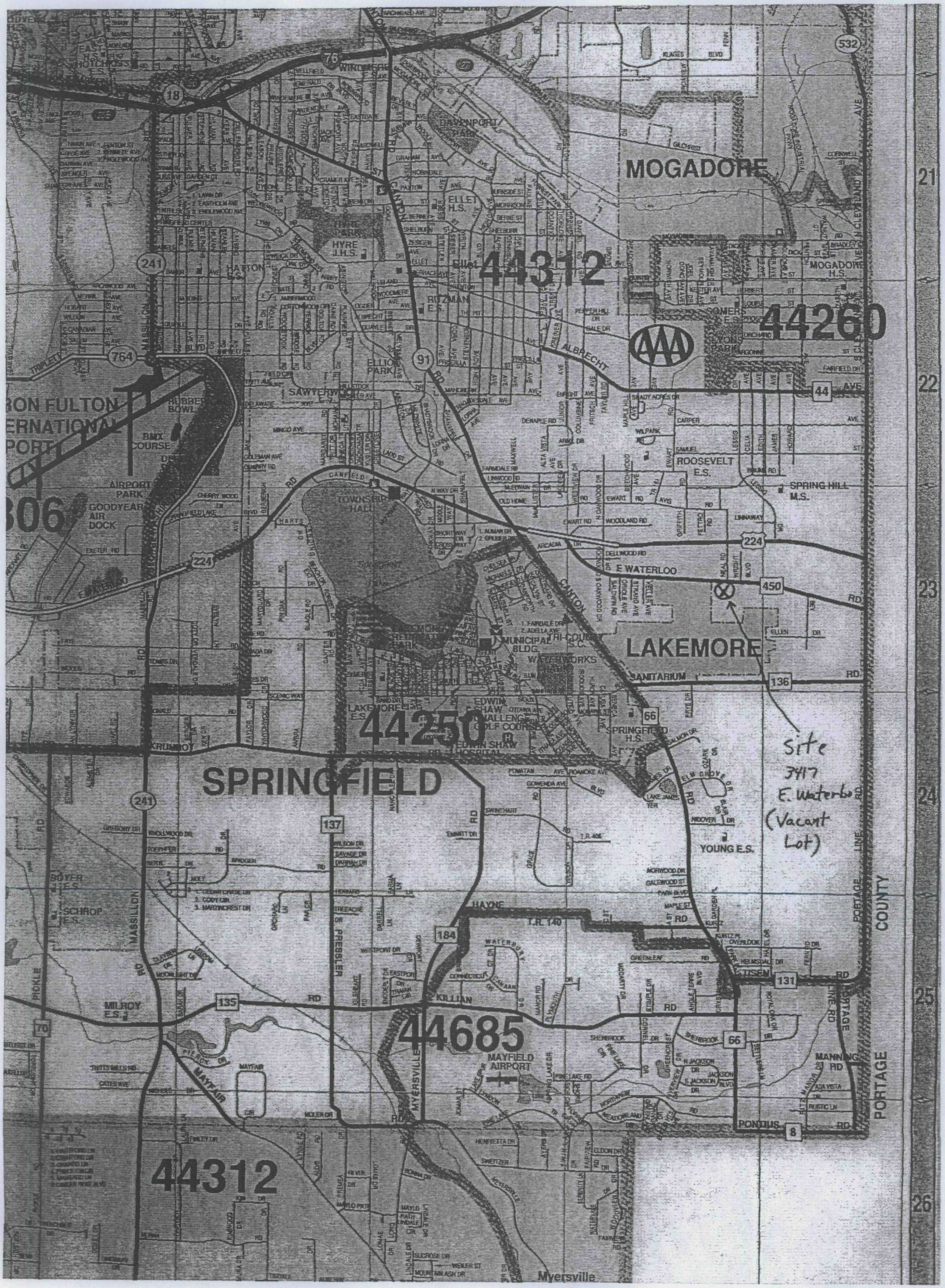
Tetra Tech EM Inc.

To: Fred Neugebauer
Date: 3/27/02
Company: Dept. of Env. Services
Pages: 2
From: Joe Braglow
Fax: 330-375-2248
Re: Sam Wiener - Water Disposal

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Fred - per our discussions last week, please see the attached map showing the location of the Sam Wiener Facility to help identify a sewer location for disposal of the purge water (non-hazardous). Thanks!

Joe


MOGADORE
44312
44260
LAKEMORE
44250
SPRINGFIELD
44685
44312
Site
3417
E. Waterloo
(Vacant
Lot)
PORTAGE
COUNTY
Myersville
21
22
23
24
25
26