2/23/01

Karla-

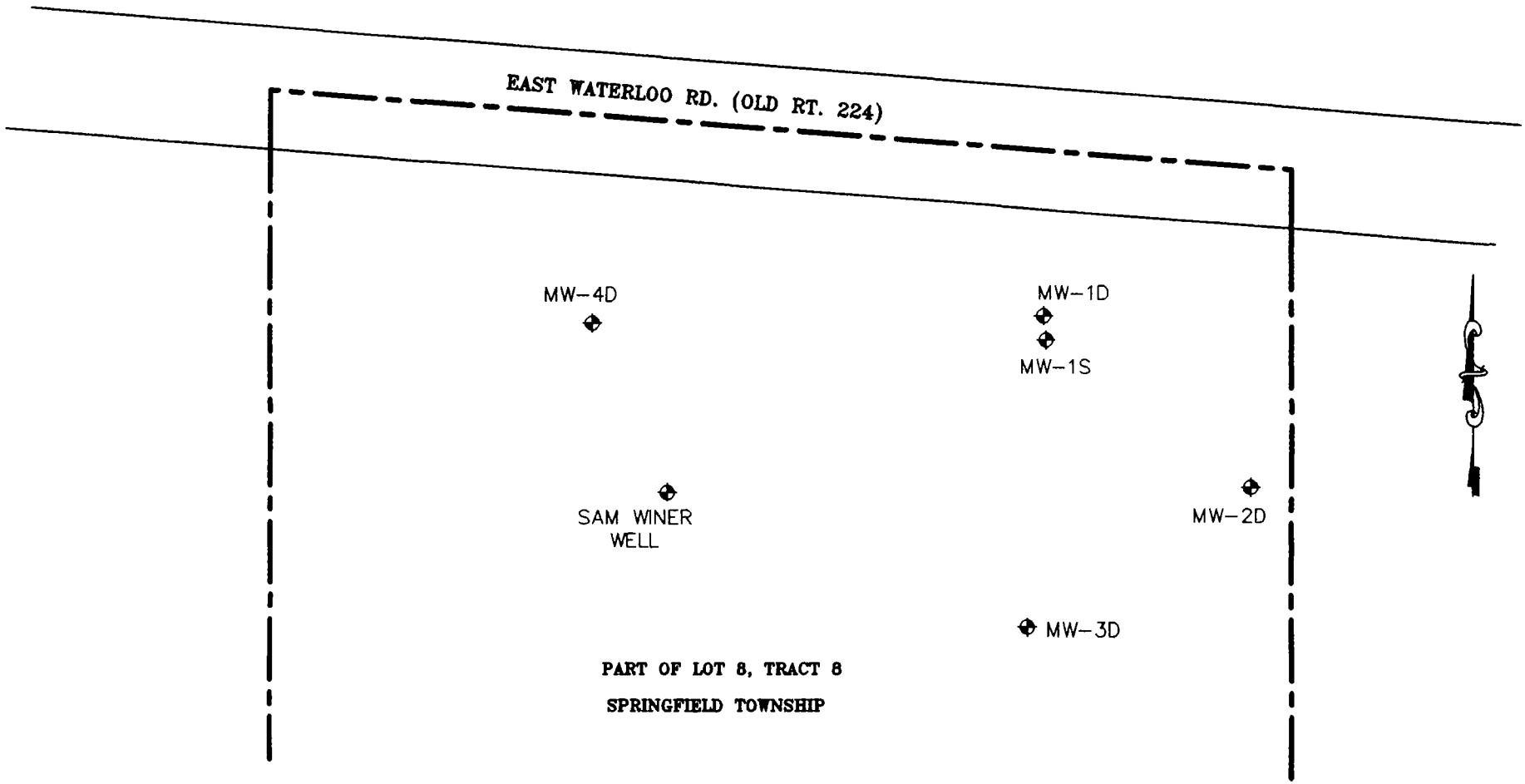
Attached is preliminary data and a couple maps for the Sam Weiner Prop. Let us know what you need beside final data + trip report.

Thanks

Alan H.

US EPA RECORDS CENTER REGION 5

434222



LEGEND

MW-4D — MONITOR WELL

PROPERTY LINE

GRAPHIC SCALE

40 0 20 40 80 FEET

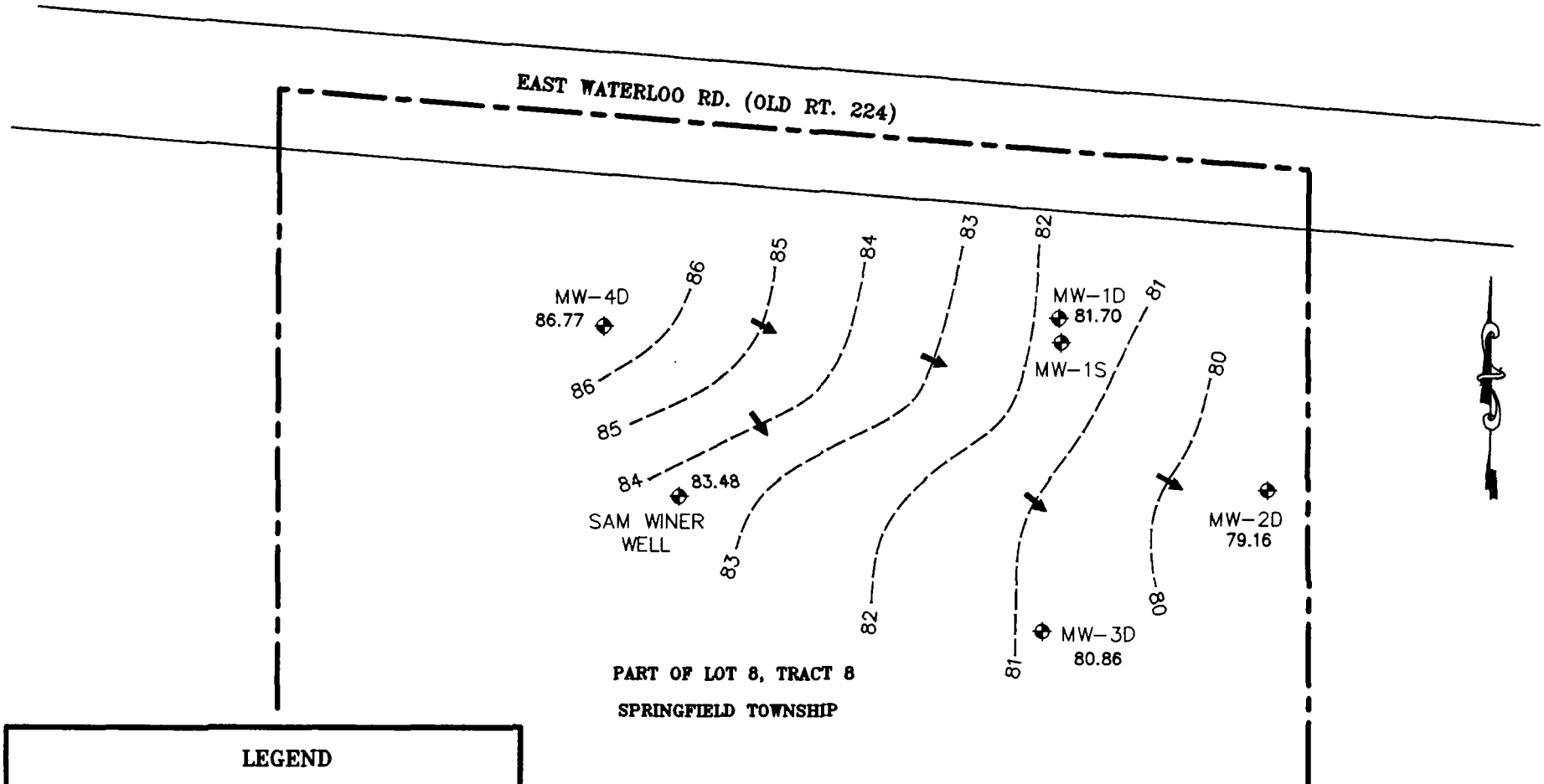
U.S. EPA ENVIRONMENTAL RESPONSE TEAM CENTER
RESPONSE ENGINEERING AND ANALYTICAL CONTRACT
68-C99-223
W.O.# R1A00177

FIGURE 1
SITE MAP
SAM WINER PROPERTY
AKRON, OHIO
JANUARY 2001

177/SITE_MAP.DWG 01/23/01

NOTE:

ALL ELEVATION DATA REFERENCED TO AN ARBITRARY ON-SITE DATUM.



LEGEND

MW-4D	MONITOR WELL
86.77	GROUND WATER POTENTIOMETRIC SURFACE ELEVATION (FEET)
84	GROUND WATER POTENTIOMETRIC SURFACE ELEVATION CONTOUR (FEET)
	GROUND WATER POTENTIOMETRIC SURFACE FLOW DIRECTION
	PROPERTY LINE

GRAPHIC SCALE

40 0 20 40 80 FEET

U.S. EPA ENVIRONMENTAL RESPONSE TEAM CENTER
RESPONSE ENGINEERING AND ANALYTICAL CONTRACT
68-C99-223
W.O.# R1A00177

FIGURE 2
POTENTIOMETRIC SURFACE ELEVATION CONTOUR MAP JANUARY 3, 2001
SAM WINER PROPERTY
AKRON, OHIO
JANUARY 2001

177/SITE_MAP.DWG 01/23/01

Lockheed Martin Technology Services Group
Environmental Services REAC
2890 Woodbridge Avenue, Building 209 Annex Edison, NJ 08837-3679
Telephone 732-321-4200 Facsimile 732-494-4021

LOCKHEED MARTIN

Date: 01-10-01

To: Work Assignment Manager A. Humphrey

From: Yi-Hua Lin, Special Project Group Leader [signature]

Subject: Preliminary Results of Project Sam Winer
WA# 0-177

Attached please find the preliminary results of the above referenced project for the following samples:

Chain(s) of Custody No.: 19905

Analyses: VOC *

No. of Samples: EIGHT

Matrix: WATER

Comments on the results:

* Two additional compounds, acrolein and cyclohexanone, were ~~included in this VOC list~~ analyzed in with regular VOC list. None of them was found in these samples.

cc: R. SINGHVI
Central File
Task Leader D. Bussey
Analyst Y. NERUSH / J. TOMASZEWICZ.
SAMPLE RECEIVING
D. MILLER
J. SOROKA
D. BRADY

REAC, Edison, NJ
(732) 321-4200
EPA Contract 68-C99-223

CHAIN OF CUSTODY RECORD

Project Name: Sam Winer Site, Akron, OHIO
Project Number: RIA 00177
LM Contact: D. Bussey Phone: 494-4056

No: 19905
Sheet 01 of 01 (Do not copy)
(for addnl samples use new form)

010501

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	VOCs	SemiVOCs			
358	18476 A,B,C	MW-1S	GW	1/4/01	3	40 ml glass 4°C	X				
359	18477 A	MW-1S	↓		1	1 LT glass		X			
360	18478 A,B,C	TRIP BLANK	PW		3	40 ml glass	X				
361	18479 A,B,C	MW-2D	GW		3	40 ml glass	X				
362	18480 A	MW-2D	↓		1	1 LT glass		X			
363	18481 A,B,C	Field Blank	PW		3	40 ml glass	X				
364	18482 A	Field Blank	↓		1	1 LT glass		X			
365	18483 A,B,C	MW-3D	GW		3	40 ml glass	X				
366	18484 A	MW-3D			1	1 LT glass		X			
367	18485 A,B,C	MW-4D			3	40 ml glass	X				
368	18486 A	MW-4D			1	1 LT glass		X			
369	18487 A,B,C	MW-1D			3	40 ml glass	X				
370	18488 A,B,C	MW-1D			3	1 LT glass		X			
371	18489 A,B,C	MW-1D Dup			3	40 ml glass	X				
372	18490 A	MW-1D Dup	↓	↓	1	1 LT glass		X			

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

Samples 18476 & 18477 "HOT" (est. ppm levels).
Samples 18487, 18488, 18489, & 18490 est. low level ppb.
Others samples est. non-detect.

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
All/Analysis	[signature]	1/4/01	[signature]	010501	0930	All/VOA	[signature]	010501	[signature]	1/5/01	1010

TABLE 1
VOLATILE ORGANIC COMPOUND ANALYSIS

Project #	Sam Winer, #0-177										
Sample #	Water blank 010501 c		18478		18481		18489		18476		
Location			Trip blk		Feild blk		MW-1D dup		MW-1S		
Collected			01/04/01		01/04/01		01/04/01		01/04/01		
Analyzed	01/05/01		01/05/01		01/05/01		01/05/01		01/05/01		
Injected	9:59 pm		10.36 PM		11:14 PM		1:44 am		2:59 am		
File	AV2720.D		AV2721.D		AV2722.D		AV2726.D		AV2728.D		
Dil. Fact	1		1		1		1		200		
Unit	µg/L		µg/L		µg/L		µg/L		µg/L		
Compound	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*	
Dichlorodifluoromethane	3 9	1.0	U	1.0	U	1.0	U	1.0	U	200	
Chloromethane	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
Vinyl Chloride	U	1.0	U	1 0	U	1 0	U	1.0	380	200	
Bromomethane	U	2 0	U	2 0	U	2 0	U	2.0	U	400	
Chloroethane	U	1.0	U	1 0	U	1 0	U	1.0	U	200	
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	200	
Acetone	U	8 0	4 6 J	8 0	U	8.0	U	8.0	1200	1600	
1,1-Dichloroethene	U	1.0	U	1 0	U	1.0	U	1.0	U	200	
Methylene Chloride	U	1.0	U	1 0	U	1 0	U	1.0	3100	200	
Carbon Disulfide	U	1.0	U	1 0	U	1.0	U	1.0	U	200	
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	200	
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	200	
1,1-Dichloroethane	U	1.0	U	1.0	U	1 0	U	1.0	1000	200	
2-Butanone	U	4 0	U	4.0	U	4.0	U	4.0	U	800	
2,2-Dichloropropane	U	1 0	U	1 0	U	1.0	U	1.0	U	200	
cis-1,2-Dichloroethene	U	1 0	U	1.0	U	1.0	U	1.0	U	200	
Chloroform	U	1 0	U	1 0	U	1.0	U	1.0	U	200	
1,1-Dichloropropene	U	1 0	U	1 0	U	1.0	U	1.0	U	200	
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	320	200	
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	7200	200	
Carbon Tetrachloride	U	1.0	U	1 0	U	1.0	U	1.0	U	200	
Benzene	U	1.0	U	1 0	U	1 0	U	1.0	U	200	
Trichloroethene	U	1 0	U	1 0	U	1.0	U	1.0	2800	200	
1,2-Dichloropropane	U	1.0	U	1 0	U	1.0	U	1.0	U	200	
Bromodichloromethane	U	1 0	U	1 0	U	1.0	U	1.0	U	200	
Dibromomethane	U	1 0	U	1 0	U	1.0	U	1.0	U	200	
cis-1,3-Dichloropropene	U	1.0	U	1 0	U	1.0	U	1.0	U	200	
trans-1,3-Dichloropropene	U	1 0	U	1 0	U	1 0	U	1.0	370	200	
1,1,2-Trichloroethane	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
1,3-Dichloropropane	U	1 0	U	1 0	U	1.0	U	1.0	U	200	
Dibromochloromethane	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
1,2-Dibromoethane	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
Bromoform	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
4-Methyl-2-Pentanone	U	2 0	U	2 0	U	2 0	U	2.0	U	400	
Toluene	U	1 0	U	1 0	U	1 0	U	1.0	16000	200	
2-Hexanone	U	2 0	U	2 0	U	2.0	U	2.0	U	400	
Tetrachloroethene	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
Chlorobenzene	U	1 0	U	1.0	U	1 0	U	1.0	U	200	
1,1,1,2-Tetrachloroethane	U	1 0	U	1 0	U	1.0	U	1.0	U	200	
Ethylbenzene	U	1 0	U	1 0	U	1 0	U	1.0	580	200	
p&m-Xylene	U	1 0	U	1 0	U	1 0	U	1 0	2000	200	
o-Xylene	U	1.0	U	1 0	U	1 0	U	1.0	460	200	
Styrene	U	1.0	U	1 0	U	1 0	U	1.0	U	200	
Isopropylbenzene	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
1,1,2,2-Tetrachloroethane	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
1,2,3-Trichloropropane	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
n-Propylbenzene	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
Bromobenzene	U	1 0	U	1.0	U	1 0	U	1.0	U	200	
1,3,5-Trimethylbenzene	U	1 0	U	1 0	U	1.0	U	1.0	U	200	
2-Chlorotoluene	U	1.0	U	1 0	U	1.0	U	1.0	U	200	
4-Chlorotoluene	U	1 0	U	1.0	U	1.0	U	1.0	U	200	
tert-Butylbenzene	U	1.0	U	1 0	U	1 0	U	1.0	U	200	
1,2,4-Trimethylbenzene	U	1 0	U	1 0	U	1.0	U	1 0	U	200	
sec-Butylbenzene	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
p-Isopropyltoluene	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
1,3-Dichlorobenzene	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
1,4-Dichlorobenzene	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
n-Butylbenzene	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
1,2-Dichlorobenzene	U	1 0	U	1 0	U	1 0	U	1.0	430	200	
1,2-Dibromo-3-chloropropane	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
1,2,4-Trichlorobenzene	U	1 0	U	1 0	U	1.0	U	1 0	U	200	
Hexachlorobutadiene	U	1 0	U	1 0	U	1.0	U	1.0	U	200	
Naphthalene	U	1 0	U	1 0	U	1 0	U	1.0	U	200	
1,2,3-Trichlorobenzene	U	1 0	U	1 0	U	1.0	U	1.0	U	200	

B Indicates results are present in Blank
J Indicates below Method Detection Limit

NO QC EVALUATION HAS BEEN PERFORMED.
DATA VALIDITY IS UNSUBSTANTIATED
AND THE DATA SHOULD BE USED
WITH DISCRETION

rv 220

TABLE 1
VOLATILE ORGANIC COMPOUND ANALYSIS

Project #	Sam Winer, #0-177										
Sample #	WBlk 010901-1		18479		18483		18485		18487		
Location			MW-2D		MW-3D		MW-4D		MW-1D		
Collected			01/04/01		01/04/01		01/04/01		01/04/01		
Analyzed	01/09/01		01/09/01		01/09/01		01/09/01		01/09/01		
Injected	5.48 pm		6:25 pm		7.03 pm		7:40 pm		8:17 pm		
File	BV2727.D		BV2728.D		BV2729.D		BV2730.D		BV2731.D		
Dil Fact.	1		1		1		1		1		
Unit	µg/L		µg/L		µg/L		µg/L		µg/L		
Compound	*Conc.*		*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*
Dichlorodifluoromethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Vinyl Chloride	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U		2.0	U	2.0	U	2.0	U	2.0	U	2.0
Chloroethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	6.6	J	8.0	U	8.0	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U		4.0	U	4.0	U	4.0	U	4.0	U	4.0
2,2-Dichloropropane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroform	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-Pentanone	U		2.0	U	2.0	U	2.0	U	2.0	U	2.0
Toluene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U		2.0	U	2.0	U	2.0	U	2.0	U	2.0
Tetrachloroethene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
o-Xylene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U		1.0	U	1.0	U	1.0	U	1.0	U	1.0

B Indicates results are present in Blank
J Indicates below Method Detection Limit

NO QC EVALUATION HAS BEEN PERFORMED. DATA VALIDITY IS UNSUBSTANTIATED AND THE DATA SHOULD BE USED WITH DISCRETION.

rv 22