LPC 0850200020 Jo Daviess County
Jo Daviess Service Company
SF/HRS

CERCLA
Integrated Site Assessment Analytical Results

Illinois Environmental Protection Agency

2200 Churchill Road
P. O. Box 19276
Springfield, IL 62794-9276

EPA Region 5 Records Ctr
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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

Date 1/16/96

Subject Review of CLP Data

From Ron Turpin
Contract Laboratories Administrator
Division of Laboratories

To Data User Bruce Emmetts

The Quality Assurance Section has reviewed the following data package(s)

SITE NAME Jo Davies Farm Service CASE/SDG No 143/596203/596223

Date(s) Received for Review 26-Dec-95 29-Dec-95 02-Jan-96 No of Samples 26

Laboratory(s) IEPA Hours Used for Review 38+26 = 64

Reviewer(s) Chris Bridges
Jerry Clark

The following narrative represents our findings

The data is valid as qualified

- ☐ Data are acceptable for use
- ☒ Data are acceptable for use with qualifications noted above
- ☐ Data are preliminary - pending verification by laboratory
- ☐ Data are unacceptable

cc Tom Crause

State of Illinois
ENVIRONMENTAL PROTECTION AGENCY

Mary A. Gade, Director

2200 Churchill Road, Springfield, IL 62794-9276

Memorandum

Date January 16, 1996

To Bruce Everetts

From Chris Bridges
Jerry Clark

Re Data validation on Jo Davies Farm Service

Data validation has been completed for the above referenced site Below is a list of the compounds or analytes which were qualified in each sample, the reasons they were qualified, and the resulting bias for the compound or analyte Also attached are the organic and inorganic sample results (Forms 1) and the organic and inorganic data validation checklist If you have any questions please free to call me at 4-3873

Organic Qualifiers and Resulting Bias

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X101	Chloromethane Chloroethane 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Methylene Chloride	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria. (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol 3,3-Dichlorobenzidine Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitoaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X101 (Cont)	Fluoranthene	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria (2) The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown
	Pyrene	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown
X102	Chloromethane Chloroethane 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Methylene Chloride	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol 3,3-Dichlorobenzidine Di-n-Octyl Phthalate Benzo(b)Fluoranthene Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
	Naphthalene	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown
X103	Chloromethane Chloroethane Methylene Chloride 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X103 (Cont)	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol Fluoranthene 3,3-Dichlorobenzidine Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitoaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
X104	Chloromethane Chloroethane Methylene Chloride 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylenes (total)	J	Internal Standard low	Unknown
	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol 3,3-Dichlorobenzidine Di-n-Octyl Phthalate Benzo(b)Fluoranthene Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X104 (Cont)	Naphthalene Anthracene Di-n-Butylphthalate Pyrene Benzo (g,h,i) Perylene	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria	Unknown
X104RE	Chloromethane Chloroethane 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Methylene Chloride	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ehtylbenzene Styrene Xylenes (total)	J	Internal Standard low	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X105	Chloromethane Chloroethane 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Methylene Chloride	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria. (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ehtylbenzene Styrene Xylenes (total)	J	Internal Standard low	Unknown
	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol 3,3-Dichlorobenzidine Di-n-Octyl Phthalate Benzo(b)Fluoranthene Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X105 (Cont)	2,4-Dinitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
	Fluorene Anthracene Pyrene Benzo (g,h,i) Perylene	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown
X105RE	Chloromethane Chloroethane 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Methylene Chloride	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria. (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ethylbenzene Styrene Xylenes (total)	J	Internal Standard low	Unknown
X106	Acetone 2-Butanone 2-Hexanone	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Benzene	J	Surrogate Recovery high	High
	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol 3,3-Dichlorobenzidine Di-n-Octyl Phthalate Benzo(b)Fluoranthene Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X106 (Cont)	2,4-Dinitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
	Fluorene Di-n-Butylphthalate Fluoranthene Pyrene	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown
X106RE	Acetone 2-Butanone 2-Hexanone	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Benzene	J	Surrogate Recovery high	High
X106DL	Acetone 2-Butanone 2-Hexanone	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Benzene Ethylbenzene Xylenes (total)	J	Surrogate Recovery high	High
X107	Chloromethane Chloroethane 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Methylene Chloride	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria. (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol 3,3-Dichlorobenzidine Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitoaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X107 (Cont)	Phenanthrene Pyrene Benzo(a) Anthracene Chrysene Benzo(a)Pyrene	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria	Unknown
	Fluoranthene Benzo(k)Fluoranthene	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
X201	Chloroethane	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Acetone 1,2-Dichloroethene 2-Butanone	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Methylene Chloride 2-Butanone	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol 3,3-Dichlorobenzidine Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitoaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
	Phenanthrene Pyrene	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X201 (Cont)	Fluoranthene	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
X202	Chloroethane Methylene Chloride 1,2-Dichloroethene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Acetone	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2-Butanone	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol Fluoranthene 3,3-Dichlorobenzidine Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitoaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
X203	Bromomethane Chloroethane 4-Methyl-2-Pentanone	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X204	Chloroethane Methylene Chloride 1,2-Dichloroethene (total) Acetone 2-Butanone	J	(1) %D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) Internal Standard low	Unknown
	Chloromethane Bromomethane Vinyl Chloride Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane Chloroform 1,2-Dichloroethane 1,1,1-Trichloroethane Carbon Tetrachloride Bromodichloromethane 1,2-Dichloromethane 1,2-Dichloropropane cis-1,3-Dichloropropene Trichloroethene Dibromochloromethane 1,1,2-Trichloroethane Benzene trans-1,3-Dichloropropene Bromoform 4-Methyl-2-Pentanone 2-Hexanone Tetrachloroethene 1,1,2,2-Tetrachloroethane Toluene Chlorobenzene Ehtylbenzene Styrene Xylenes (total)	J	Internal Standard low	Unknown
	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol Fluoranthene 3,3-Dichlorobenzidine Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitoaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X204RE	4-Methyl-2-Pentanone	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Bromomethane Chloroethane	J	(1) %D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) Internal Standard low	Unknown
	2-Butanone	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits (3) Internal Standard low (4) Surrogate Recovery high	Unknown
	Chloromethane Vinyl Chloride Methylene Chloride Carbon Disulfide 1,1-Dichloroethene 1,1-Dichloroethane 1,2-Dichloroethene (total) Chloroform 1,2-Dichloroethane	J	Internal Standard low	Unknown
	Acetone	J	(1) Internal Standard low (2) Surrogate Recovery high	Unknown
X205	Bromomethane Chloroethane 4-Methyl-2-Pentanone	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2-Butanone	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria (2) %D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,2'-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-Methyphenol Fluoranthene 3,3-Dichlorobenzidine Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
X205 (Cont)	2,4-Dinitrophenol 4-Nitrophenol 4-Nitoaniline	R	(1) %D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
G101	Bromomethane Chloroethane Acetone 4-Methyl-2-Pentanone 1,1,2,2-Tetrachloroethane	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 4-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Di-n-Octyl Phthalate Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 3-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
G101RE	Bromomethane Chloroethane Acetone 4-Methyl-2-Pentanone 1,1,2,2-Tetrachloroethane	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
G102	1,2-Dichloroethane	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria. (2) Surrogate Recovery high	Unknown
	Bromomethane Chloroethane Acetone 4-Methyl-2-Pentanone 1,1,2,2-Tetrachloroethane	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Diethylphthalate	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
G102 (Cont)	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 4-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Di-n-Octyl Phthalate Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2 4-Dinitrophenol 4-Nitrophenol 3-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
G102RE	Bromomethane Chloroethane Acetone 4-Methyl-2-Pentanone 1,1,2,2-Tetrachloroethane	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	1,2-Dichloroethane	J	Surrogate Recovery high	High
G103	Bromomethane Chloroethane Acetone 4-Methyl-2-Pentanone 1,1,2,2-Tetrachloroethane	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 4-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Di-n-Octyl Phthalate Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 3-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
G103RE	Bromomethane Chloroethane Acetone 4-Methyl-2-Pentanone 1,1,2,2-Tetrachloroethane	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
G104	Chlorobenzene Styrene	J	Sample not properly preserved and technical holding times were exceeded	Low
	Ethylbenzene Xylenes (total) Benzene Toluene	J	(1) Sample not properly preseved and the technical holding times were not met (2) Surrogate Recovery high	Unknown
	4-Methyl-2-Pentanone	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria	Unknown
	2-Hexanone	J	(1) %D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown
	Acetone 2-Butanone	J	(1) %D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) Surrogate Recovery high	Unknown
	Acenaphthylene Dibenzofuran Fluorene Anthracene Carbozol Fluoranthene Pyrene Bezo(a)Anthracene Chrysene Benzo(b)Fluoranthene	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria	Unknown
	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 4-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Di-n-Octyl Phthalate Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 3-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
G104DL	Benzene Toluene Chlorobenzene Ethylbenzene Styrene	J	Sample not properly preserved and technical holding times were exceeded	Low
	Xylenes (total)	J	(1) The result is greater than zero but less than the CRQL and the compound meets the identification criteria (2) Sample not properly preseved and the technical holding times were not met.	Unknown
	Acetone 2-Butanone 2-Hexanone	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	Phenol 2-Methylphenol	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown
	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 4-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Di-n-Octyl Phthalate Benzo(k)Fluoranthene Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 3-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
G105	Benzene Toluene Chlorobenzene Ethylbenzene Styrene Xylenes (total)	J	Sample not properly preserved and technical holding times were exceeded	Low
	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
G105 (Cont)	2,4-Dinitrophenol 4-Nitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
G106	Benzene Toluene Chlorobenzene Ethylbenzene Styrene Xylenes (total)	J	Sample not properly preserved and technical holding times were exceeded	Low
	Diethylphthalate	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria	Unknown
	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
S101	Benzene Toluene Chlorobenzene Ethylbenzene Styrene Xylenes (total)	J	Sample not properly preseved and the technical holding times were not met	Low
	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
	Diethylphthalate	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
S102	Benzene Toluene Chlorobenzene Ethylbenzene Styrene Xylenes (total)	J	Sample not properly preserved and technical holding times were exceeded	Low
	January 9, 19962,2-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
S103	Benzene Toluene Chlorobenzene Ethylbenzene Styrene Xylenes (total)	J	Sample not properly preserved and technical holding times were exceeded January 10, 1996	Low
	Diethylphthalate bis(2-Ethylhexyl)Phthalate	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria	Unknown
	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected

Sample Number	Compound	Qualifier	Reasons Qualified	Overall Bias
S104	Benzene Toluene Chlorobenzene Ethylbenzene Styrene Xylenes (total)	J	Sample not properly preserved and technical holding times were exceeded	Low
	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
S105	Bromomethane Chloroethane Acetone 4-Methyl-2-Pentanone 1 1,2,2-Tetrachloroethane	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	bis(2-Ehtylhexyl)Phthalate	J	The result is greater than zero but less than the CRQL and the compound meets the identification criteria.	Unknown
	2,2-oxybis(1-Chloropropane) 4-Chloroaniline 3-Nitroaniline 4,6-Dinitro-2-methylphenol Pentachlorophenol 3,3-Dichlorobenzidine Indo(1,2,3-cd)Pyrene Dibenz(a,h)anthracene	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown
	2,4-Dinitrophenol 4-Nitrophenol 4-Nitroaniline	R	(1)%D between the RRF50 and the mean RRF from the initial calibration is out of limits (2) The calculated RRF50 is out of limits	No Bias - Result Rejected
S105RE	Bromomethane Chloroethane Acetone 4-Methyl-2-Pentanone 1,1,2,2-Tetrachloroethane	J	%D between the RRF50 and the mean RRF from the initial calibration is out of limits	Unknown

Inorganic Qualifiers and Resulting Bias

Sample Number	Analyte	Qualifier	Reasons Qualified	Overall Bias
G101	Arsenic	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
G201	Aluminum	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Arsenic	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
G202	Aluminum	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Arsenic	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
S101	Arsenic	J	The analytical spike recovery is high	High
	Lead	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
S102	Arsenic	J	The analytical spike recovery is high	High
	Lead	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
S103	Aluminum	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Arsenic	J	The analytical spike recovery is high	High
	Lead	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
S104	Arsenic	J	The analytical spike recovery is high	High
	Lead	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low

S105	Aluminum	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Arsenic	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
G102	Aluminum	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Arsenic	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
G103	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
G105	Arsenic	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
G106	Arsenic	J	The analytical spike recovery is high	High
	Selenium	J	(1) The matrix spike recovery is low (2) The analytical spike recovery is low	Low
X101	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected
X102	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Potassium	J	The associated continuing calibration blank (CCB) result is out of control (CCB result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected
	Thallium	J	The analytical spike recovery is low	Low
X103	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low

	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected
X104	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Potassium	J	The associated continuing calibration blank (CCB) result is out of control (CCB result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected
X105	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected
X106	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Potassium	J	The associated continuing calibration blank (CCB) result is out of control (CCB result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected
X107	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Potassium	J	The associated continuing calibration blank (CCB) result is out of control (CCB result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected

X201	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Potassium	J	The associated continuing calibration blank (CCB) result is out of control (CCB result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected
	Thallium	J	The analytical spike recovery is low	Low
X202	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Potassium	J	The associated continuing calibration blank (CCB) result is out of control (CCB result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected
X203	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Potassium	J	The associated continuing calibration blank (CCB) result is out of control (CCB result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected
X204	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Potassium	J	The associated continuing calibration blank (CCB) result is out of control (CCB result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected

X205	Antimony	J	The matrix spike recovery is low	Low
	Arsenic	J	The matrix spike recovery is low	Low
	Cobalt	J	The preparation blank result is out of control (prep blank result was negative)	Low
	Potassium	J	The associated continuing calibration blank (CCB) result is out of control (CCB result was negative)	Low
	Selenium	R	The matrix spike recovery is<10% (The actual % recovery was 0 0%)	Rejected

IEPA DIVISION OF LABORATORIES
QUALITY ASSURANCE SECTION
INORGANIC DATA VALIDATION
CHECKLIST

Site:	Jo Daviess Farm Service
Laboratory:	IEPA
SDG:	143
Analytical Protocol:	ILM03 0
Date:	January 03, 1996
Reviewer:	Jerry Clark
Reviewer Signature:	Jerry Clark

I. PRELIMINARY REVIEW

Number Aqueous Samples 12 Analytes Trace Metals, Hg, CN, Sulfide, Sulfate
Number Solid/Soil Samples 12 Analytes Trace Metals, Hg, CN

	YES	NO	N/A
A. Chain - of - Custody(ies) Present?	X		
Signed ?	X		
Dated?	X		
B. Cover Page- Present?	X		
Do sample numbers agree with sample numbers on			
a Chain - of - Custody Forms?	X		
b Form 1s?	X		
C. Form 1- Final Data			
Are all Form 1s present and complete?	X		
Are correct units indicated on Form 1s (ug/l-waters & mg/kg-soils)	X		
Are soil sample results corrected for percent solids (dry weight)?	X		
Are sample results < IDL reported as the IDL (U)?	X		

ACTIONS

NONE

II. HOLDING TIMES & PRESERVATION

Mercury (28 Days)	pH < 2	exceeded?		X	
Cyanide (14 Days)	pH > 12	exceeded?		X	
other Metals (6months)	pH < 2	exceeded?		X	

ACTIONS

NONE

III. CALIBRATIONS

A. Initial Calibration Procedures:

	YES	NO	N/A
Are acceptable 2 point calibrations present for ICP ?	X		
Is the CRI analyzed at the proper frequency and concentration?	X		
Are acceptable 4 point calibrations present for AA?	X		
Correlation Coefficient > 0 995?	X		
Is the CRA analyzed at the proper frequency and concentration?	X		
Are acceptable 4 point calibrations present for Cyanide?	X		
Mid-Range standard distilled?	X		
Are acceptable 4 point calibrations present for Mercury?	X		
Correlation Coefficient > 0 995?	X		
Is the CRA analyzed at the proper frequency and concentration?	X		
Are acceptable calibrations present for other parameters?	X		

ACTIONS

NONE

B. Form 2 - Initial and Continuing Calibration Verification:

All necessary Form 2s present and complete?	X		
ICVs and CCVs analyzed at the correct frequency?	X		
Are results reported in the correct units (ug/l)?	X		
All calibration verification % Recoveries meet criteria?	X		
ICV and CCV concentrations different?	X		

ACTIONS (Analyte, % Recovery, Sample(s) affected and Qualifications)

NONE

IV. BLANKS

	YES	NO	N/A
All necessary Form 3s present and complete?	X		
A. Initial and Continuing Calibration Blanks			
Analyzed at correct frequency?	X		
Are results reported in the correct units (ug/l)?	X		
Were transcription errors corrected?	X		
All ICBs and CCBs meet no contamination criteria?		X	

ACTIONS (ICB or CCB/IDL) Sample(s) affected, qualifications

WATER

Cu (14 1/12 0) - G101, G201, G202, S101, S102, S103, S104, and S105 are qualified as "U"

Ni (25 8/20 0) - G201, G202, S101, S102, S103, S104, S105, G102, G103, G103, G105, and G106 are qualified as "U"

Contamination noted in Fe, however, no data were affected

SOIL

Ni (22 2/18 0) - X101 is qualified as "U"

Ni (24 0/18 0) - X107, X201, X202, X203, and X204 are qualified as "U"

K (-1940 0/1650 0) - X102, X104, X106, X107, X201, X202, X203, X204, and X205 are qualified as estimated "J"

Ag (8 3/6 0) - X107, X201, X202, X203, X204, and X205 are qualified as "U"

Contamination noted in Al and Cu, however, no data were affected

B. Preparation Blanks

	YES	NO	N/A
Was one preparation blank prepared for			
each 20 samples?	X		
each batch?	X		
each matrix type?	X		
Were prep blanks analyzed at the correct frequency?	X		
Were prep blanks reported in the correct concentration units?	X		
Were all transcription errors corrected?	X		
All prep blanks meet no contamination criteria?		X	

ACTIONS (Analyte, (PB/IDL), Sample(s) affected, Qualifications)

WATER

Al (-47 5/47 0) - G201, G202, S103, S105, and G102 are qualified as estimated "J"

Contamination noted in Fe, however, no data were affected

SOIL

Co (-2 63/2 20) - X101, X102, X103, X104, X105, X106, X107, X201, X202, X203, X204, and X205 are qualified as estimated "J"

Contamination noted in Ni, however, the prep blank is qualified by a calibration blank. Therefore, no samples can be qualified by the prep blank

Contamination noted in Cr and Fe, however, no data were affected

V. ICP INTERFERENCE CHECK SAMPLE.

	YES	NO	N/A
Form 4 present and complete?	X		
Were ICS ran at the correct frequency?	X		
Were all transcription errors corrected?	X		
All % Recoveries of ICSAB Solution +/- 20 % of True Value?	X		
For elements not present in ICSA, is the absolute value of the ICSA result greater than the IDL?	X		

ACTIONS (Analyte, % Recovery, Sample(s) affected, Qualifications)

WATER

The ICSA results for nickel and vanadium exceeded their IDLs, however, no data were affected

SOIL

The ICSA results for copper, lead, nickel, silver, and vanadium exceeded their respective IDLs, however, no data were affected

VI. SPIKE SAMPLE RECOVERY:

		YES	NO	N/A
Form 5 present and complete for	each 20 samples?	X		
	each matrix type?	X		
Were all transcription errors corrected?		X		
Were field blanks used for spike sample analysis?			X	
Were all Matrix Spike % Recoveries within criteria?			X	

ACTIONS (Analyte, % Recovery, Sample(s) affected, Qualifications)

WATER

Se (55 8%) - G101 is qualified as estimated "J"
- G201, G202, S101, S102, S103, S104, S105, G102, G103, G105, and G106 are qualified as estimated "UJ"

SOIL

Sb (41 1%) - X104, X105, X205 are qualified as estimated "J"
- X101, X102, X103, X106, X107, X201, X202, X203, and X204 are qualified as estimated "UJ"

As (72 5%) - X101, X102, X103, X104, X105, X106, X107, X201, X202, X203, X204, and X205 are qualified as estimated "J"

Se (0 0%) - X101, X102, X103, X104, X105, X106, X107, X201, X202, X203, X204, and X205 are qualified as unusable "R"

VII. DUPLICATE SAMPLE ANALYSIS.

		YES	NO	N/A
Form 6 present and complete for	each 20 samples?	X		
	each matrix type?	X		
Were all transcription errors corrected?		X		
Were field blanks used for duplicate analysis?			X	
For both AA and ICP when both are used for the same analyte?		X		
Were all duplicate analyses differences within criteria?		X		

ACTIONS (Element, Differences, Sample(s) affected, Qualifications)

NONE

VIII. LABORATORY CONTROL SAMPLE:

(Note: LCS not required for aqueous Hg.)

	YES	NO	N/A
Form 7 Present and Complete?	X		
Was one LCS prepared and analyzed for			
every 20 or fewer water samples?	X		
every digestion batch of water samples?	X		
every 20 or fewer solid samples?	X		
every digestion batch of solid samples?	X		
Were all transcription errors corrected?	X		
Were all of the Aqueous LCS % Recoveries within criteria?	X		
Were all of the Solid LCS % Recoveries within criteria?	X		

ACTIONS (Element, % Recovery, Sample(s) affected, Qualifications)

NONE

IX. FURNACE ATOMIC ABSORPTION (AA) QC.

	YES	NO	N/A
Did the laboratory utilize duplicate injections for all non-MSAanalyses?	X		
Does the GFAA fow chart appear to have been followed for all analyses?	X		
Did the laboratory properly flag all GFAA results on Form 1s?	X		

ACTIONS (Analyte, Sample(s) affected, Qualifications)

Any water or soil sample results flagged "W" are qualified as estimated "J".

X. ICP SERIAL DILUTION:

Form 9 present and complete?	X		
Was Serial Dilution analysis performed for			
each 20 or fewer samples	X		
each matrix type?	X		
Were all transcription errors corrected?	X		
Were all serial dilution results within criteria?	X		
Were field blanks used for serial dilution analysis?		X	

ACTIONS (Analyte, Sample(s) affected, Qualifications)

NONE

XI. RAW DATA:

	YES	NO	N/A
Digestion Log for flame AA/ICP present?	X		
Digestion Log for furnace AA present?	X		
Digestion Log for mercury present?	X		
Digestion Log for cyanide present?	X		
Inventory Sheet present?	X		
Weights, dilutions, and volumes used to obtain values present?	X		
Percent solids calculation present for soils (sediments)?	X		
Are preparation dates present on Digestion Logs?	X		
Are standards preparation logs present and dated?	X		
Measurement read out records present for			
ICP?	X		
Flame AA?			X
Furnace AA?	X		
Mercury?	X		
Cyanide?	X		
other Inorganics?	X		
Are all results with the ICP linear ranges?	X		
Are all Mercury results within the calibrated range?	X		
Are all Cyanide results within the calibrated range?	X		
Are all other inorganics within the calibrated range?	X		
Sulfate, Sulfide, _____			
Are all raw data to support all sample analyses an QC operations present?	X		
Legible?	X		
Properly labeled?	X		
Are the Instrument Detection Limits (IDLs) less than 3 months old?	X		
Are the ICP Linear Ranges less than three months old?	X		
Are the ICP Interelement correction factors less than one year old?	X		

ACTIONS

NONE

Project Mgr
Copy

Data Validation Checklist
Site Name [illegible]
SDG No 596203
Laboratory IEPA
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PRELIMINARY REVIEW

1. Chain-of -Custody

	YES	NO	
a.	[X]	[ ]	Check chain-of-custody documentation for date/time sampled, date/time received in laboratory
b	[X]	[ ]	Check chain-of-custody documentation for proper documentation of transfers and signoffs.
c	[X]	[ ]	Check chain-of-custody documentation for any inconsistencies or anomalies.

Comments
NONE

2 Case Narrative

	Yes	No	
a	[X]	[ ]	Review entire case narrative
b	[X]	[ ]	Check case narrative for completeness
c	[X]	[ ]	Check for proper authorization signature.

Comments
NONE

Data Validation Checklist
Site Name Jo Daviess(1)
SDG No 596203
Laboratory IEPA
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I. Holding Times

YES NO
[ ] [ ] Check that all technical and/or contractual holding times were met, as required, for all fractions.

EPA Number	Lab Number	1995 Date Coll	95 Date Rec'd	OK 1995 VOA Date Anal	OK 1995 Semi-VOA Date Ext	Semi-VOA Date Anal	OK 1995 Pesticide Date Ext	Pesticide Date Anal
X101	D596203	11/21	11/22	11/22	11/28	12/5	11/26	12/8
X102	-204	11/20	11/22			12/6		12/11
X103	-205	11/20				12/4		12/8
X104	-206	11/21				12/6		12/12
X104RE	-206RE	—			—	—	—	—
X105	-207	11/21			11/28	12/6	11/28	12/8
X105RE	-207RE	—			—	—	—	—
X106	-208	11/21		11/28	11/29	12/6	11/28	12/8
X106RE	-208RE	—			—	—	—	—
X106DC	-208DC	—			—	—	—	—
X107	-209	11/20		11/22	11/28	12/5	11/28	12/8
X201	-210	11/20		11/24		12/5		12/8
X202	-211	11/20		11/24		12/5		12/8
X203	-212	11/20		11/27		12/5		12/8
X204	-213	11/20		11/24		12/4		12/8
X204RE	-213RE	—		11/27	—	—	—	—
X205	-214	11/20		11/27	11/28	12/4	11/25	12/8

List below all samples (by sample number and fraction) qualified due to holding times

NONE

Data Validation Checklist
Site Name Jo Davies 1
SDG No · 596203
Laboratory IEPA
Page 3 of 45

II. GC/MS Instrument Performance Check

Fraction. (VOA) SemiVOA (*circle one*)

1. Evaluate Forms V and Raw Data

YES NO

a. [X] [ ] Check that Forms V are present and completed for each 12 hour time period

b [X] [ ] Check for transcription errors between raw data and Forms V

c [X] [ ] Check that the appropriate number of significant figures has been reported and that rounding errors have not occurred

d [X] [ ] Check for calculation errors

2. Verify Raw Data Format

YES NO

[X] [ ] Check mass spectral listing to determine that the mass assignment is correct and that the mass listing is normalize to the specified ion (m/z 95 for VOA, m/z 198 for SemiVOA)

3 Verify Ion Abundance Criteria

YES NO

[X] [ ] Check that all ion abundance criteria has been met

4. Verify Background Correction

YES NO

[X] [ ] Check that tuning compound spectra were generated using appropriate background correction.

Comments·

None

Data Validation Checklist
Site Name: Jo Davies
SDG No.: 596203
Laboratory: IEPA
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III. Initial Calibration

GC/MS

Fraction (VOA) SemiVOA *(circle one)*

1. ***Verify that the Correct Standard Concentrations Were Used.***

YES NO
[✓] [ ] Check the Forms VI and the raw data to verify that the correct standard concentrations were used to calibrate the GC/MS instrument(s)

2. ***Verify that the Correct Initial Calibration was Used for Water and Low Level Soils.***

YES NO N/A
[✓] [ ] [ ] Check that initial calibrations were performed as required for water/med level soil and low level soil

3. ***Verify Use of Correct Standards.***

YES NO N/A
[✓] [ ] [ ] Check that the correct standard was used for quantitation of samples, if samples were analyzed immediately subsequent to initial calibration

4 ***Evaluate Initial Calibration RRFs and mean RRFs.***

YES NO
a [✓] [ ] Check and recalculate the RRFs and mean RRFs for several target compounds (at least one associated with each internal standard)

b [✓] [ ] Check that, for all target compounds and surrogates, the mean RRFs meet the applicable criteria Note any "outliers" on the Calibration Outliers Form

5. ***Evaluate Initial Calibration %RSDs***

YES NO
a. [✓] [ ] Check and recalculate the *%RSD* for several target compounds.

b. [✓] [ ] Check that the applicable *%RSD* criteria have been met. Note any "outliers" on the Calibration Outliers Form.

Comments: See Outlier

Data Validation Checklist
Site Name. Jo Davies
SDG No : 5960203
Laboratory: IEPA
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IV. Continuing Calibration

GC/MS

Fraction. VOA SemiVOA (*circle one*)

1. Verify Continuing Calibration Frequency

	YES	NO	
a.	[✓]	[ ]	Check the continuing calibration raw data and Forms VII to verify that continuing calibration standards were analyzed at the proper frequency and that each continuing calibration was compared to the appropriate initial calibration

2 Evaluate Continuing Calibration RRFs

	YES	NO	
a.	[✓]	[ ]	Check and recalculate the continuing calibration *RRFs* for several compounds
b	[✓]	[ ]	Check that all target compound and surrogate *RRFs* meet the criteria.

3 Evaluate Continuing Calibration %Ds

	YES	NO	
a	[✓]	[ ]	Check and recalculate the continuing calibration *%Ds* for several compounds
b	[✓]	[ ]	Check that all target compound and surrogate *%Ds* meet the applicable criteria.

Comments: See Outliers

VOLATILE CALIBRATION OUTLIERS

3/90 SOW

Lab Name IEDA Case Jo Davies

Instrument # / DATE/TIME	Minimum RRF	Initial Cal. 10/3/95 RF	%RSD	Q	Contin. Cal. 11/22/95 RF	%RSD	Q	Contin. Cal. 11/24/95 RF	%RSD	Q	Contin. Cal. 11/27/95 RF	%RSD	Q	Contin. Cal. RF	%RSD	Q
Chloromethane	0.010					48.1										
Bromomethane	0.100											39.2				
Vinyl Chloride	0.100															
Chloroethane	0.010					47.5			55.1			60.1				
Methylene Chloride	0.010					-49.1			-30.8							
Acetone	0.010								27.8							
Carbon Disulfide	0.010															
1-Dichloroethene	0.100					-29.8										
1-Dichloroethane	0.200					32.1										
2-Dichloroethene (total)	0.010					-49.0			-28.5							
Chloroform	0.200															
2-Dichloroethane	0.100															
2-Butanone	0.010								32.3							
1,1,1-Trichloroethane	0.100															
Carbon Tetrachloride	0.100															
Bromodichloromethane	0.200															
2-Dichloropropane	0.010															
cis-1,3-Dichloropropene	0.200															
Trichloroethene	0.300															
Dibromochloromethane	0.100															
1,1,2-Trichloroethane	0.100															
Benzene	0.500															
trans-1,3-Dichloropropene	0.100															
Bromoform	0.100															
4-Methyl-2-Pentanone	0.010					-37.4						-26.6				
2-Hexanone	0.010															
Tetrachloroethene	0.200															
1,1,2,2-Tetrachloroethane	0.500															
Toluene	0.400															
Chlorobenzene	0.500															
Ethylbenzene	0.100															
Styrene	0.300															
Xylene (total)	0.300															
Bromofluorobenzene	0.200															

AFFECTED SAMPLES

VBLK54	VBLK52	VBLK53
X101	X201	X203
X102	X202	X204RE
X103	X204	X205
X104	X201MS	
X105	X201MSD	
X107		
X104RE		
X105RE		

Reviewer's Initials Date

3/92

Q - This column of flags should be applied to the analytes on the sample data sheet.

VOLATILE CALIBRATION OUTLIERS

3/90 SOW

Lab Name IEPA

Case Jo Davies

Instrument # DATE/TIME	Minimum RRF	Initial Cal. 11/20/95			Contin. Cal. 11/28/95			Contin. Cal.			Contin. Cal.			Contin. Cal.		
		RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
Chloromethane	0.010															
Bromomethane	0.100															
Vinyl Chloride	0.100															
Chloroethane	0.010															
Methylene Chloride	0.010															
Acetone	0.010					-127.4										
Carbon Disulfide	0.010															
1-Dichloroethene	0.100															
1-Dichloroethane	0.200															
2 Dichloroethene (total)	0.010															
Chloroform	0.200															
1 2 Dichloroethane	0.100															
2 Butanone	0.010					-81.1										
1 1 1-Trichloroethane	0.100															
Carbon Tetrachloride	0.100															
Bromodichloromethane	0.200															
1 2 Dichloropropane	0.010															
cis 1 3 Dichloropropene	0.200															
Trichloroethene	0.200															
Dibromochloromethane	0.100															
1 1 2 Trichloroethane	0.100															
Benzene	0.500															
trans 1 3-Dichloropropene	0.100															
Bromoform	0.100															
4-Methyl 2 Pentanone	0.010															
2 Hexanone	0.010					-78.7										
Tetrachloroethene	0.200															
1 2 2 Tetrachloroethane	0.500															
Toluene	0.400															
Chlorobenzene	0.500															
Ethylbenzene	0.100															
Styrene	0.300															
Xylene (total)	0.300															
Bromofluorobenzene	0.200															

AFFECTED SAMPLES

Reviewer's Initials/Date

VBLKSM
X106
X106DL
X106RE
X106MS
X106MSD

3/92

Q - This column of flags should be applied to the analytes on the sample data sheets.

Data Validation Checklist
Site Name: Jo Davies (4)
SDG No.: 96203
Laboratory: IEPA
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V. Blanks

Fraction. (VOA) SemiVOA Pest. *(circle one)*

1. Review Blank Results.

YES NO
[✓] [ ] Check all associated blanks for the presence of TCL compounds or TICs. Note all contaminated blanks and associated samples below

2 Verify Blank Frequency

YES NO
[✓] [ ] Check that blank analyses have been performed at the required frequency

Blank Summary

Blank Sample No	VBLKSC1		VBLKSL2		VBLKSL3		VBLKSM	
Date Anal or Extr	11/22/95		11/24/95		11/27/95		11/28/95	
Instrument	XL2		XL2		XL2		XL2	
TCL Comp d	Amount	TCL Comp d	Amount	TCL Comp d	Amount	TCL Comp d	Amount
MeCl	4	MeCl	2				

TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp d	Amount

Data Validation Checklist
Site Name Jo Davies (1)
SDG No 596203
Laboratory EPA
Page 9 of 45

VI. Surrogate Spikes

GC/MS

Fraction. VOA SemiVOA (*circle one*)

1. *Review Raw Data*

YES NO
[ ] [ ] Check raw data to verify that the recoveries on the Form II are accurate and within the limits

2. *Evaluate Surrogate Recovery Calculations*

YES NO
[ ] [ ] Check that the surrogate spike recoveries were calculated correctly and are free from transcription errors.

3 *Evaluate Surrogate Recoveries.*

YES NO
a [ ] [ ] Check that reanalyses were performed as required

b [ ] [ ] Check that surrogate recoveries in blanks met criteria.

4. *Evaluate Reanalyses*

YES NO
[ ] [ ] Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use This determination must be performed in conjunction with the evaluation of the internal standard area response criteria List below the results of the reviewers determinations.

Comments.

X105 Tol & BFB high - use
X204RE DCE high - use
X106 BFB high - use
106OL " "
X106RE " " - use original
X106MS " "

Data Validation Checklist
Site Name: Jo Davies (1)
SDG No.: 596203
Laboratory: TERA
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VII. Matrix Spikes/Matrix Spike Duplicates

Fraction. VOA SemiVOA Pesticide (*circle one*)

1. ***Verify Frequency***

YES NO
[X] [ ] Check that MS and MSD samples were analyzed at the correct frequency

2. ***Evaluate MS/MSD Criteria.***

YES NO
[X] [ ] Check MS/MSD results for *%R* and *RPD* are within the advisory limits

3 ***Verify MS/MSD Calculations***

YES NO
a [X] [ ] Check raw data and verify that results are calculated correctly and are free from transcription errors

b [X] [ ] Check that *%Rs* and *RPDs* were calculated correctly

4 ***Evaluate Sample Precision***

YES NO
[X] [ ] Compare *%RSD* results of non-spiked compounds between the original result, MS and MSD

Compound	Orig Result	MS Result	MSD Result	%RSD
X106 Ethylbenzene	37000	48000	65000	28
Xylene	76000	80000	100000	34

Comments:
Benzene in X106MSD RPD %D ~~out~~ high

VIII. Laboratory Control Samples

N/A

IX. Project Specific QA/QC

Evaluation Procedures must follow the project QAPjP.

Data Validation Checklist
Site Name Jo Dennis (V)
SDG No 596203
Laboratory SEPA
Page 12 of 45

X. Internal Standards

GC/MS

Fraction VOA SemiVOA (*circle one*)

1. ***Evaluate Raw Data.***

   YES NO
   [X] [ ] Check raw data and verify that the internal standard retention times and areas reported on the Forms VIII are correct.

2. ***Verify RT and IS Area Criteria.***

   YES NO
   [✓] [ ] Check that retention times and internal standard area meet the appropriate criteria

3. ***Evaluate Reanalyses***

   YES NO
   [X] [ ] Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use This determination must be performed in conjunction with the evaluation of the surrogate spike recovery criteria. List the results of the reviewers determinations in Section VI , Surrogate Spikes

Comments

X104RE DFB Area low CBZ area low - use Original
X105 " " " " " - use
X104 CBZ area low - use
X105 RE CBZ area low - use original
X204 BCB DFB CBZ area low - use
201MS " " " " "
X201MSD " " " " "
X204RB BCB area low — use original

Data Validation Checklist
Site Name Jo Davies (1)
SDG No 596203
Laboratory IEPA
Page 13 of 45

XI. Target Compound Identification

GC/MS

Fraction VOA SemiVOA (*circle one*)

1. ***Verify Relative Retention Time (RRT) Criteria.***

   YES NO
   [X] [ ] Check that the RRT of reported compounds is within the criteria.

2. ***Evaluate Target Compound Spectra.***

   YES NO
   [X] [ ] Check the sample target compound spectra against the laboratory standard spectra, verify that the specified criteria are met

3 ***Evaluate Possible Carryover***

   YES NO
   [X] [ ] Check the raw data of the samples as related to the samples analyzed previously to verify that sample carryover has not adversely affected results

4 ***Evaluate Chromatograms***

   YES NO
   [X] [ ] Check the sample chromatograms to verify that peaks are accounted for

Comments

Data Validation Checklist
Site Name: Jo Davies
SDG No.: 596203
Laboratory: ISPA
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XII. Compound Quantitation and Reported CRQLs

Fraction: VOA SemiVOA Pesticide *(circle one)*

1. Evaluate Quantitation of Sample Results

YES NO
[X] [ ] Check raw data to verify calculation of sample results

2 Evaluate Quantitation Parameters

YES NO N/A
[X] [ ] [ ] For GC/MS analyses, check that the correct internal standard, quantitation ion, and *RRF* were used to quantitate results
Verify that the same internal standard, quantitation ion, and *RRF* are used throughout, in both the calibration and as well as the quantitation process

3 Evaluate CRQLs

YES NO
[X] [ ] Check that the CRQLs have been adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors

Comments
WONR

Data Validation Checklist
Site Name Jo Davis
SDG No 5910303
Laboratory ISPA
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XIII. Tentatively Identified Compounds

GC/MS Only

Fraction. VOA SemiVOA (*circle one*)

1 ***Evaluate Tentative Identifications.***

YES NO
[X] [ ] Check that all TICs reported meet the identification guidelines

2 ***Evaluate Raw Data.***

YES NO
[X] [ ] Check raw data to verify that the laboratory has generated a library search for all required peaks in the chromatograms for samples and blanks

3 ***Evaluate Blanks***

YES NO
[X] [ ] Check blank sample chromatograms to verify that TIC peaks present in samples are not found in blanks

4 ***Examine Mass Spectra***

YES NO
[X] [ ] Check all mass spectra for every sample

5 ***Evaluate TIC Identifications***

YES NO
[X] [ ] Since TIC library searches often yield several candidate compounds, all reasonable choices must be considered

6. ***Evaluate Laboratory Artifacts and Contaminants***

YES NO
[X] [ ] Check sample results and raw data to verify that common laboratory artifacts and contaminants are not reported as sample contaminants

Data Validation Checklist
Site Name To Dukes
SDG No 596203
Laboratory TSPA
Page 16 of 45

XIII. TICs continued

7. *Evaluate Possibility of False Negatives.*

	YES	NO	N/A	
a.	[X]	[ ]	[ ]	Check to determine if target compounds have been identified and quantitated as TICs.
b	[X]	[ ]	[ ]	If target compounds have been identified and quantitated as TICs, check to determine whether the false negative is an isolated occurrence or whether additional data may be affected. Comment on all such false negatives below

8. *Determine That Results Are From Proper Fraction.*

YES	NO	N/A	
[X]	[ ]	[ ]	Target compounds could be identified in more than one fraction; if this occurs, check that quantitation is from the proper fraction

9. *Verify that internal standards and surrogates are not searched.*

YES	NO	
[X]	[ ]	Check that library searches were not performed on internal standards or surrogates

10 *Verify Estimated Quantitation of TICs.*

YES	NO	
[X]	[ ]	Check that the estimated concentration of the TICs was made using an assumed *RRF* of one

Comments

none

Data Validation Checklist
Site Name Jo Davies
SDG No 596203
Laboratory ISPA
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XIV. GC/MS System Performance

Fraction. (VOA) SemiVOA *(circle one)*

1. Evaluate Overall System Performance

	YES	NO	
a.	[X]	[ ]	Check for high RIC background levels or shifts in absolute retention times of internal standards.
b	[X]	[ ]	Check for excessive baseline rise at elevated temperature.
c	[X]	[ ]	Check for extraneous peaks
d	[X]	[ ]	Check for loss of resolution
e	[X]	[ ]	Check for peak tailing or peak splitting that may result in inaccurate quantitation

Comments
NONE

Case : Jo Davies (1)

596208

VOA SV PEST

Low
~~Water~~ sample surrogate %R

$\frac{(173506)(250)}{(152542)(0.988)(5)(.75)} = \cancel{6.74}$ 76.7

Sample # (and column # for PEST) : X101
Surrogate : Tol
Concentration added (ug/L) : 66.7
Calculated %R : 115
Reported %R : 115

(3 added = 50/.75 = 66.7) $\frac{76.7}{50/.75} \times 100 = 115$

Comment : 01/

Med
Soil sample surrogate %R

$\frac{(198670)(250)(10)(1000)(1)}{(136479)(0.898)(100)(4)(.76)} = 13330.8$

Sample # (and column # for PEST) : X106
Surrogate : BFB
Concentration added (ug/Kg) : 8223.7
Calculated %R 162
Reported %R 162

(3 added $\frac{6250}{.76} \times 100 = 8223.7$) $\frac{13330.8}{8223.7} \times 100 = 162$

Comment :

Low
~~Water~~ sample MS/MSD

$\frac{(75298)(250)}{(84024)(.793)(5)(.70)} = 80.72$

Sample # (and column # for PEST) X201MS
Compound Benzene
Calculated concentration (ug/L) : 71.4
Reported concentration : 80.72
%R calculated correctly? yes

Comment :

Med ~~Soil~~ sample MS/MSD

$\frac{(249928)(250)(10)(1000)(1)}{(24132)(.898)(100)(4)(.74)} = 8733$

Sample # (and column # for PEST) : X106MS
Compound : Toluene
Calculated concentration (ug/Kg) : 8733
Reported concentration : 8733
%R calculated correctly? yes

Comment :

Data Validation Checklist
Site Name Jo Davies
SDG No 596703
Laboratory ESPA
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II. GC/MS Instrument Performance Check

Fraction. VOA SemiVOA (*circle one*)

1. Evaluate Forms V and Raw Data

	YES	NO	
a.	[X]	[ ]	Check that Forms V are present and completed for each 12 hour time period
b	[X]	[ ]	Check for transcription errors between raw data and Forms V
c	[X]	[ ]	Check that the appropriate number of significant figures has been reported and that rounding errors have not occurred
d	[X]	[ ]	Check for calculation errors

2 Verify Raw Data Format

YES	NO	
[X]	[ ]	Check mass spectral listing to determine that the mass assignment is correct and that the mass listing is normalize to the specified ion (m/z 95 for VOA, m/z 198 for SemiVOA).

3 Verify Ion Abundance Criteria

YES	NO	
[X]	[ ]	Check that all ion abundance criteria has been met

4. Verify Background Correction

YES	NO	
[X]	[ ]	Check that tuning compound spectra were generated using appropriate background correction.

Comments.
None

Data Validation Checklist
Site Name. Jo Davies V
SDG No.: 596203
Laboratory: IEPA
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III. Initial Calibration

GC/MS

Fraction VOA SemiVOA (circle one)

1. ***Verify that the Correct Standard Concentrations Were Used.***

YES NO
[X] [ ] Check the Forms VI and the raw data to verify that the correct standard concentrations were used to calibrate the GC/MS instrument(s).

2. ***Verify that the Correct Initial Calibration was Used for Water and Low Level Soils.***

YES NO N/A
[X] [ ] [ ] Check that initial calibrations were performed as required for water/med level soil and low level soil

3 ***Verify Use of Correct Standards***

YES NO N/A
[X] [ ] [ ] Check that the correct standard was used for quantitation of samples, if samples were analyzed immediately subsequent to initial calibration

4 ***Evaluate Initial Calibration RRFs and mean RRFs.***

YES NO
a. [X] [ ] Check and recalculate the RRFs and mean RRFs for several target compounds (at least one associated with each internal standard)

b [X] [ ] Check that, for all target compounds and surrogates, the mean RRFs meet the applicable criteria. Note any "outliers" on the Calibration Outliers Form.

5. ***Evaluate Initial Calibration %RSDs.***

YES NO
a. [X] [ ] Check and recalculate the *%RSD* for several target compounds

b [X] [ ] Check that the applicable *%RSD* criteria have been met. Note any "outliers" on the Calibration Outliers Form.

Comments: See Outlier Form

Data Validation Checklist
Site Name To Davis (1)
SDG No. 596203
Laboratory: IEPA
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IV. Continuing Calibration

GC/MS

Fraction: VOA SemiVOA (*circle one*)

1. Verify Continuing Calibration Frequency.

YES NO

a. [X] [ ] Check the continuing calibration raw data and Forms VII to verify that continuing calibration standards were analyzed at the proper frequency and that each continuing calibration was compared to the appropriate initial calibration

2 Evaluate Continuing Calibration RRFs

YES NO

a [X] [ ] Check and recalculate the continuing calibration *RRFs* for several compounds

b [X] [ ] Check that all target compound and surrogate *RRFs* meet the criteria.

3 Evaluate Continuing Calibration %Ds.

YES NO

a. [X] [ ] Check and recalculate the continuing calibration *%Ds* for several compounds

b [X] [ ] Check that all target compound and surrogate *%Ds* meet the applicable criteria

Comments: See Attach

SEMIVOLATILE CALIBRATION OUTLIERS

Page 1

Lab Name ISPA Case. To Davies (1)

Instrument #	Minimum	Initial Cal			Contin. Cal.			Contin. Cal.			Contin. Cal			Contin. Cal.		
		11/17/95			12/4/95			12/6/95								
DATE/TIME	RRF	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
Phenol	0.800															
bis(2-Chloroethyl)ether	0.700															
2-Chlorophenol	0.800															
1,3-Dichlorobenzene	0.600															
1,4-Dichlorobenzene	0.500															
1,2-Dichlorobenzene	0.400															
2-Methylphenol	0.700															
2,2'-oxybis(1-Chloropropane)	0.010					-99.3			-34.3							
4-Methylphenol	0.600															
N-Nitroso-di-n-propylamine	0.500															
Hexachloroethane	0.300															
Nitrobenzene	0.200															
Isophorone	0.400															
2-Nitrophenol	0.100															
2,4-Dimethylphenol	0.200															
bis(2-Chloroethoxy)methane	0.300															
2,4-Dichlorophenol	0.200															
1,2,4-Trichlorobenzene	0.200															
Naphthalene	0.700															
4-Chloroaniline	0.010		37.5			77.8			73.8							
Hexachlorobutadiene	0.010															
4-Chloro-3-methylphenol	0.200															
2-Methylnaphthalene	0.400															
Hexachlorocyclopentadiene	0.010															
2,4,6-Trichlorophenol	0.200															
2,4,5-Trichlorophenol	0.200															
2-Chloronaphthalene	0.800															
2-Nitroaniline	0.010															
Dimethylphthalate	0.010															
Acenaphthylene	1.300															
2,6-Dinitrotoluene	0.200															
3-Nitroaniline	0.010					75.9			74.1							
Acenaphthene	0.800															
2,4-Dinitrophenol	0.010				0.034	76.6		0.029	80.0							
4-Nitrophenol	0.010				0.021	68.2										
Dibenzofuran	0.800															
2,4-Dinitrotoluene	0.200															

AFFECTED SAMPLES

	SBLKSC	X102
	X103	X104
	X204	X105
	X205	X106
	X202	X103MS
	X107	X103MSD
	X201	
	X101	

Reviewer's Initials/Date

Q - The column of flags should be applied to the analytes on the sample data sheets.

Data Validation Checklist
Site Name. Jo Davis VI
SDG No : 59A203
Laboratory: TEPA
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V. Blanks

Fraction: VOA SemiVOA Pest (*circle one*)

1. ***Review Blank Results.***

YES NO
[X] [ ] Check all associated blanks for the presence of TCL compounds or TICs Note all contaminated blanks and associated samples below

2. ***Verify Blank Frequency.***

YES NO
[X] [ ] Check that blank analyses have been performed at the required frequency

Blank Summary

Blank Sample No	SBLKSL	CPCBLCC		
Date Anal. or Extr	12/4/95	12/4/95		
Instrument	INC500	INC520		

TCL Comp'd	Amount	TCL Comp'd	Amount	TCL Comp'd	Amount	TCL Comp'd	Amount
Di n Butyl Phthalate	450						

TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount

Data Validation Checklist
Site Name J. Davis U1
SDG No 596203
Laboratory ZEPA
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VI. Surrogate Spikes

GC/MS

Fraction. VOA SemiVOA (circle one)

1. Review Raw Data.

YES NO
[X] [ ] Check raw data to verify that the recoveries on the Form II are accurate and within the limits

2 Evaluate Surrogate Recovery Calculations.

YES NO
[X] [ ] Check that the surrogate spike recoveries were calculated correctly and are free from transcription errors

3 Evaluate Surrogate Recoveries.

YES NO
a [X] [ ] Check that reanalyses were performed as required
b [X] [ ] Check that surrogate recoveries in blanks met criteria.

4 Evaluate Reanalyses

YES NO
[X] [ ] Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use This determination must be performed in conjunction with the evaluation of the internal standard area response criteria. List below the results of the reviewers determinations.

Comments

X101	FBP	high
X103	"	"
X107	"	"
X201	"	"
X103 MS	NBZ	high
X103MSD	"	"

Data Validation Checklist
Site Name: Jo Davies (1)
SDG No. 596205
Laboratory: IEPA
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VII. Matrix Spikes/Matrix Spike Duplicates

Fraction: VOA SemiVOA Pesticide (*circle one*)

1. *Verify Frequency*

YES NO
[X] [ ] Check that MS and MSD samples were analyzed at the correct frequency

2 *Evaluate MS/MSD Criteria.*

YES NO
[X] [ ] Check MS/MSD results for *%R* and *RPD* are within the advisory limits

3 *Verify MS/MSD Calculations*

YES NO
a [X] [ ] Check raw data and verify that results are calculated correctly and are free from transcription errors

b [X] [ ] Check that *%Rs* and *RPDs* were calculated correctly

4. *Evaluate Sample Precision*

YES NO
[X] [ ] Compare *%RSD* results of non-spiked compounds between the original result, MS and MSD

Compound	Orig Result	MS Result	MSD Result	%RSD
Dimn-Butylphthalate	570	430	550	15

Comments:
x103 MS 24-Dinitrotoluene %R high
x103 MSD

Data Validation Checklist
Site Name. Jo Davies (1)
SDG No.: 596203
Laboratory: IEPA
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VIII. Laboratory Control Samples

N/A

IX. Project Specific QA/QC

Evaluation Procedures must follow the project QAPjP.

Data Validation Checklist
Site Name Jo Daves
SDG No · 5910203
Laboratory EEDA
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X. Internal Standards

GC/MS

Fraction VOA SemiVOA (circle one)

1. Evaluate Raw Data.

YES NO
[X] [ ] Check raw data and verify that the internal standard retention times and areas reported on the Forms VIII are correct.

2 Verify RT and IS Area Criteria.

YES NO
[X] [ ] Check that retention times and internal standard area meet the appropriate criteria

3 Evaluate Reanalyses

YES NO
[X] [ ] Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use This determination must be performed in conjunction with the evaluation of the surrogate spike recovery criteria. List the results of the reviewers determinations in Section VI , Surrogate Spikes

Comments

NONE

Data Validation Checklist
Site Name To Davies (1)
SDG No · 5916203
Laboratory· IEPA
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XI. Target Compound Identification

GC/MS

Fraction VOA SemiVOA (*circle one*)

1. ***Verify Relative Retention Time (RRT) Criteria.***

   YES NO
   [X] [ ] Check that the RRT of reported compounds is within the criteria.

2. ***Evaluate Target Compound Spectra***

   YES NO
   [X] [ ] Check the sample target compound spectra against the laboratory standard spectra, verify that the specified criteria are met

3 ***Evaluate Possible Carryover***

   YES NO
   [X] [ ] Check the raw data of the samples as related to the samples analyzed previously to verify that sample carryover has not adversely affected results

4. ***Evaluate Chromatograms***

   YES NO
   [X] [ ] Check the sample chromatograms to verify that peaks are accounted for

Comments

NONE

Data Validation Checklist
Site Name. Jo Davies
SDG No.: 596203
Laboratory: EEPA
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XII. Compound Quantitation and Reported CRQLs

Fraction: VOA SemiVOA Pesticide *(circle one)*

1. Evaluate Quantitation of Sample Results.

YES NO
[X] [ ] Check raw data to verify calculation of sample results

2 Evaluate Quantitation Parameters

YES NO N/A
[X] [ ] [ ] For GC/MS analyses, check that the correct internal standard, quantitation ion, and *RRF* were used to quantitate results
Verify that the same internal standard, quantitation ion, and *RRF* are used throughout, in both the calibration and as well as the quantitation process

3. Evaluate CRQLs

YES NO
[X] [ ] Check that the CRQLs have been adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors

Comments
none

Data Validation Checklist
Site Name. Jo Daves (1)
SDG No · 596206
Laboratory· IEPA
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XIII. Tentatively Identified Compounds

GC/MS Only

Fraction VOA SemiVOA (*circle one*)

1 ***Evaluate Tentative Identifications.***

YES NO
[✓] [ ] Check that all TICs reported meet the identification guidelines

2 ***Evaluate Raw Data***

YES NO
[✓] [ ] Check raw data to verify that the laboratory has generated a library search for all required peaks in the chromatograms for samples and blanks

3 ***Evaluate Blanks***

YES NO
[✓] [ ] Check blank sample chromatograms to verify that TIC peaks present in samples are not found in blanks

4 ***Examine Mass Spectra***

YES NO
[✓] [ ] Check all mass spectra for every sample

5 ***Evaluate TIC Identifications***

YES NO
[✓] [ ] Since TIC library searches often yield several candidate compounds, all reasonable choices must be considered.

6. ***Evaluate Laboratory Artifacts and Contaminants.***

YES NO
[✓] [ ] Check sample results and raw data to verify that common laboratory artifacts and contaminants are not reported as sample contaminants

Data Validation Checklist
Site Name: Jo Davies (1)
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XIII. TICs continued

7. *Evaluate Possibility of False Negatives.*

	YES	NO	N/A	
a.	[X]	[ ]	[ ]	Check to determine if target compounds have been identified and quantitated as TICs.
b	[X]	[ ]	[ ]	If target compounds have been identified and quantitated as TICs, check to determine whether the false negative is an isolated occurrence or whether additional data may be affected. Comment on all such false negatives below

8 *Determine That Results Are From Proper Fraction*

YES	NO	N/A	
[X]	[ ]	[ ]	Target compounds could be identified in more than one fraction, if this occurs, check that quantitation is from the proper fraction

9. *Verify that internal standards and surrogates are not searched*

YES	NO	
[X]	[ ]	Check that library searches were not performed on internal standards or surrogates

10 *Verify Estimated Quantitation of TICs*

YES	NO	
[X]	[ ]	Check that the estimated concentration of the TICs was made using an assumed *RRF* of one

Comments. None

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Site Name Jo Davies
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XIV. GC/MS System Performance

Fraction: VOA SemiVOA *(circle one)*

1. Evaluate Overall System Performance.

	YES	NO	
a.	[X]	[ ]	Check for high RIC background levels or shifts in absolute retention times of internal standards.
b	[X]	[ ]	Check for excessive baseline rise at elevated temperature
c	[X]	[ ]	Check for extraneous peaks
d	[X]	[ ]	Check for loss of resolution
e	[X]	[ ]	Check for peak tailing or peak splitting that may result in inaccurate quantitation

Comments
NONE

Case : Jo Davies (1) VOA SV PEST

Water sample surrogate %R

Sample # (and column # for PEST) : _____ N/A
Surrogate : _____
Concentration added (ug/L) : _____
Calculated %R : _____
Reported %R : _____

Comment : _____

Soil sample surrogate %R

(266913)(90)(500)(1)(2) / (259344)(.396)(2)(30.1)(.75) = 2302

Sample # (and column # for PEST) : Y101
Surrogate : NBZ
Concentration added (ug/Kg) 2215 Added (100)(.5)(2000) / (30.1)(.75) = 2215
Calculated %R 104
Reported %R 104

2302 / 2215 × 100 = 104

Comment _____

Water sample MS/MSD

Sample # (and column # for PEST) : _____
Compound _____
Calculated concentration (ug/L) . _____ N/A
Reported concentration : _____
%R calculated correctly? _____

Comment : _____

Soil sample MS/MSD

(319220)(40)(500)(1)(2) / (63604)(1.653)(2)(30.1)(78) = 2586

Sample # (and column # for PEST) : Y103MS
Compound : Phenol
Calculated concentration (ug/Kg) . 2586
Reported concentration : 2586
%R calculated correctly? yes

Comment : OK

Data Validation Checklist
Site Name: Jo Davies (1)
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II. Pesticide Instrument Performance Check

1. Resolution Check Mixture

YES NO

a. [/] [ ] Check the Form VIII PEST. to determine that the resolution check mixture(s) was analyzed in the proper sequence

b [X] [ ] Check the resolution check mixture data and the Form VI PEST -4 to verify that the resolution criterion was met.

2 Performance Evaluation Mixture

YES NO

a. [X] [ ] Check the Form VII PEST to determine that the PEM(s) was analyzed at the proper frequency and position in the initial calibration sequence

b [X] [ ] Check the PEM data from the initial and continuing calibrations to verify that the resolution criterion was met.

c [X] [ ] Check the PEM data from the initial and continuing calibrations and Form VII PEST -1 to verify that the retention times are within the retention time windows

d / [ ] [ ] Check that the *RPDs* meet the criterion

e [X] [ ] Check that the breakdowns for 4,4'-DDT and Endrin meet the criteria.

Comments

NONE

Data Validation Checklist
Site Name Jo Davies
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Laboratory IEPA
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III. Initial Calibration
PESTICIDES

1. Individual Standard Mixtures

	YES	NO	
a.	[X]	[ ]	Check the Form VIII PEST to verify that the Individual Standard Mixtures were analyzed at the proper frequency for each GC column and instrument. Check that the proper concentrations were used.
b	[X]	[ ]	Check the raw data to determine that the midpoint standard is at the proper concentration and verify that the resolution criterion has been met for each midpoint concentration standard
c	[X]	[ ]	Check the Individual Standard Mixture data and Form VI PEST.-1 and review the calculated retention time windows for calculation and transcription errors
d	[X]	[ ]	Check the Individual Standard Mixture data and Form VI PEST -2 to verify that the *%RSDs* for the calibration factors meet the criterion. Check and recalculate several *%RSDs* for errors

2 Multi Component Compounds

a.	[X]	[ ]	Check the raw data and the Form VIII PEST to verify that the Multi-component Standards were analyzed at the proper concentration and frequency for each GC column and instrument
b	[X]	[ ]	Check the raw data and Form VI PEST -3 to verify that at least three peaks were used for calibration and that retention time and calibration factor data are available for each peak

Comments
None

Data Validation Checklist
Site Name Jo Davies (2)
SDG No : 596203
Laboratory: EEON
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IV. Continuing Calibration
PESTICIDES

1. *Evaluate Continuing Calibration Standards.*

YES NO
[X] [ ] Check the Form VIII PEST to verify that the Instrument Blanks, PEMs, and Individual Standard Mixtures were analyzed at the proper frequency and that no more than 12 00 hours elapsed between calibration brackets in an ongoing analytical sequence

2 *Individual Standard Mixtures Resolution*

YES NO
[X] [ ] Check the data for the midpoint concentration of the Individual Standard Mixtures to verify that the resolution criteria was met

3 *Individual Standard Mixtures Retention Times*

YES NO
[X] [ ] Check the data for each of the single component pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures to verify that the retention times are within the appropriate windows

4. *Evaluate Continuing Calibration RPDs*

YES NO
[X] [ ] Check the data for the midpoint concentration of the Individual Standard Mixtures and Form VII PEST -2 to verify that the *RPDs* between the calculated amount and the true amount for each of the pesticides and surrogates meet the criterion.

Comments
NONE

Data Validation Checklist
Site Name Jo Davies
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Laboratory: EERA
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V. Blanks

Fraction VOA SemiVOA Pest. (circle one)

1. ***Review Blank Results.***

YES NO
[X] [ ] Check all associated blanks for the presence of TCL compounds or TICs Note all contaminated blanks and associated samples below

2 ***Verify Blank Frequency.***

YES NO
[Y] [ ] Check that blank analyses have been performed at the required frequency

Blank Summary

Blank Sample No	RBLKS1			
Date Anal or Extr	~~[illegible]~~ 12/8/95			
Instrument	HPI HP8			

TCL Comp d	Amount	TCL Comp d	Amount	TCL Comp d	Amount	TCL Comp d	Amount

TIC Comp'd	Amount	TIC Comp d	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount

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VI. Surrogate Spikes

Pesticides

1. ***Review Raw Data***

YES NO
[✓] [ ] Check raw data to verify that the recoveries on the Form II are accurate and within the limits

2. ***Evaluate Surrogate Recovery Calculations.***

YES NO
[✓] [ ] Check that the surrogate spike recoveries were calculated correctly and are free from transcription errors

3 ***Evaluate Possible Interferences***

YES NO N/A
[✓] [ ] [ ] If surrogate spike recoveries are not acceptable, check the raw data for possible interferences which may have effected surrogate recoveries

4. ***Evaluate Retention Times.***

YES NO N/A
[✓] [ ] [ ] If retention time limits are not met, check the raw data for possible misidentification of GC peaks

5 ***Evaluate Any Low Recoveries.***

YES NO N/A
[✓] [ ] [ ] If low surrogate recoveries are observed, check whether low recoveries are due to sample dilution

6 ***Evaluate Surrogate Analyses in Blanks***

YES NO
[✓] [ ] Check that all surrogate analysis criteria (retention time and advisory recovery criteria) were met in all blank samples

Comments

X102 TCX DCB rec high in DB608
X104 TCX high on 608 & DCB rec high on 8/8/701
X105 TCX high on 608

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VII. Matrix Spikes/Matrix Spike Duplicates

Fraction VOA SemiVOA Pesticide (*circle one*)

1. *Verify Frequency*

YES NO
[X] [ ] Check that MS and MSD samples were analyzed at the correct frequency

2. *Evaluate MS/MSD Criteria*

YES NO
[X] [ ] Check MS/MSD results for *%R* and *RPD* are within the advisory limits

3 *Verify MS/MSD Calculations.*

YES NO
a [X] [ ] Check raw data and verify that results are calculated correctly and are free from transcription errors

b [X] [ ] Check that *%Rs* and *RPDs* were calculated correctly

4 *Evaluate Sample Precision*

YES NO
[X] [ ] Compare *%RSD* results of non-spiked compounds between the original result, MS and MSD

Compound	Orig Result	MS Result	MSD Result	%RSD
Dieldrin	0.38	44	48	85
Endrin	.80	96	50	85
Endosulfan II	.26	1.5	.91	37

Comments

NONE

Data Validation Checklist
Site Name: Jo Davies 1
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Laboratory: IEA
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VIII. Laboratory Control Samples

N/A

IX. Project Specific QA/QC

Evaluation Procedures must follow the project QAPjP.

Data Validation Checklist
Site Name: Jo Davies
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X. Pesticide Cleanup Checks

1 ***Florisil Cartridge Check***

YES NO

a. [X] [ ] Check the data from the Florisil cartridge solution analyses and the Form IX PEST -1 and check some of the *%R* calculations, verify that there are no calculation or transcription errors

b [X] [ ] Check all criteria have been met.

2 ***Gel Permeation Chromatography***

YES NO

a [X] [ ] Check the data from the GPC calibration check analyses and the Form IX PEST -2 and recalculate some of the *%R* results, verify that there are no calculation or transcription errors

b [X] [ ] Check all criteria have been met and that Arochlor patterns are similar to those of previous standards

Comments

NONE

Data Validation Checklist
Site Name Jo Daviess
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Laboratory IEPA
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XI. Target Compound Identification

Pesticides

1. Evaluate Reported Results.

	YES	NO	
a	[X]	[ ]	Check the Form I PEST , the associated raw data, and Form X PEST -1 and Form X PEST -2 to confirm reported detected analytes
b	[X]	[ ]	Check the Form I PEST , the associated raw data, and Form X PEST -1 and Form X PEST -2 to confirm reported non-detects
c	[X]	[ ]	Check the associated blank data for potential interferences to evaluate sample data for false positives
d	[X]	[ ]	Check the calibration data for adequate retention time windows to evaluate the sample data for false positives and false negatives.

2. Evaluate Multi-Component Analyte Results

YES	NO	
[X]	[ ]	Compare the retention times and relative peak height ratios of major multi-component analyte peaks against appropriate standard chromatograms

3 Verify GC/MS Confirmations if Applicable

YES	NO	N/A	
[X]	[ ]	[ ]	Check that GC/MS confirmation was performed for pesticide concentrations in the final sample extract which exceeded 10 ng/ul

Comments

None

Data Validation Checklist
Site Name JJ Davis (1)
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XII. Compound Quantitation and Reported CRQLs

Fraction VOA SemiVOA Pesticide (circle one)

1. Evaluate Quantitation of Sample Results.

YES NO
[X] [ ] Check raw data to verify calculation of sample results

2 Evaluate Quantitation Parameters

YES NO N/A
[X] [ ] [ ] For GC/MS analyses, check that the correct internal standard, quantitation ion, and *RRF* were used to quantitate results
Verify that the same internal standard, quantitation ion, and *RRF* are used throughout, in both the calibration and as well as the quantitation process

3 Evaluate CRQLs

YES NO
[X] [ ] Check that the CRQLs have been adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors

Comments
NONE

Data Validation Checklist
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XV. Overall Assessment of Data

Evaluate the Overall Quality of the Data

YES	NO	
[X]	[ ]	Evaluate any technical problems which have not been previously addressed.
[X]	[ ]	Review all available materials to assess the overall quality of the dada, keeping in mind the additive nature of analytical problems
[X]	[ ]	If appropriate information is available, assess the usability of the data to assist the data user in avoiding inappropriate use of the data Review all available information, including the QAPjP, SAP, and communications with the data user that concerns the intended use of the data.

Provide a brief narrative to give the data user an indication of the analytical limitations of the data Include any details from the above checks Any inconsistency of the data with the Case Narrative should be noted If sufficient information is available, the reviewer should give an assessment of the usability of the data within the given context

Data is valid (as qualified)

Case : Jo Davis (1) VOA SV PEST

Water sample surrogate %R

Sample # (and column # for PEST) : _____ N/A
Surrogate : _____
Concentration added (ug/L) . _____
Calculated %R : _____
Reported %R _____

Comment : _____

Soil sample surrogate %R

Sample # (and column # for PEST) . 1101 (DB608)
Surrogate : TCX
Concentration added (ug/Kg) . 17.7
Calculated %R 95
Reported %R 95

$\frac{(98197)(5000)(1)(2)}{(2580000)(1)(30.1)(.75)} = 16.8$

$\frac{0.4}{(30.1)(.75)} \times 1000 = 17.7$

$\frac{16.8}{17.7} = 95$

Comment _____

Water sample MS/MSD

Sample # (and column # for PEST) _____ N/A
Compound _____
Calculated concentration (ug/L) _____
Reported concentration _____
%R calculated correctly? _____

Comment _____

Soil sample MS/MSD

Sample # (and column # for PEST) : ms (pb.701)
Compound Endrin
Calculated concentration (ug/Kg) . 49.6
Reported concentration : 49.6
%R calculated correctly? yes

$\frac{(242701)(5000)(1)(2)}{(2300000)(1)(30.4)(.70)} = 49.6$

Comment : OK

PM Copy

Data Validation Checklist
Site Name -O Davies (2)
SDG No 596223
Laboratory IERA
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PRELIMINARY REVIEW

1. *Chain-of -Custody*

	YES	NO	
a.	[X]	[ ]	Check chain-of-custody documentation for date/time sampled, date/time received in laboratory
b	[X]	[ ]	Check chain-of-custody documentation for proper documentation of transfers and signoffs
c	[X]	[ ]	Check chain-of-custody documentation for any inconsistencies or anomalies

Comments:
NONE

2 *Case Narrative*

	Yes	No	
a	[X]	[ ]	Review entire case narrative
b	[X]	[ ]	Check case narrative for completeness
c	[X]	[ ]	Check for proper authorization signature

Comments
NONE

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Site Name To Dennis (2)
SDG No 596223
Laboratory TGA
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I. Holding Times

YES NO
[X] [ ] Check that all technical and/or contractual holding times were met, as required, for all fractions.

EPA Number	Lab Number	1995 Date Coll	1995 Date Rec'd	1995 VOA Date Anal	Semi VOA Date Extr	Semi VOA Date Anal	Pesticide Date Extr	Pesticide Date Anal
					OK	OK	OK	OK
C6101	D596223	11/21	11/22	11/27	11/22	11/30	11/22	11/30
C6101RE	-223RE	—	—	11/27	—	—	—	—
- C6102	-224	11/20	11/22	11/27	11/22	11/30	11/22	11/30
C6102RE	-224RE	—	—	11/27	—	—	—	—
- C6103	-225	11/20	11/22	11/27	11/22	11/30	11/22	11/30
C6103RE	-225RE	—	—	11/27	—	—	—	—
X * C6104	-226	11/21	11/22	11/29	11/22	11/30	11/22	11/30
X * 6104DL	-226DL	—	—	11/29	11/22	12/1	—	—
X * C6105	-227	11/20	11/22	11/28	11/24	11/30	11/22	11/30
X * C6106	-228			11/28	11/24	11/30	11/22	11/30
C6201	-215(A)			—	—	—	—	—
C6201	-216(B)			—	—	—	—	—
C6201	-217(C)			—	—	—	—	—
C6201	218(D)			—	—	—	—	—
C6202	219(A)			—	—	—	—	—
C6202	220(B)			—	—	—	—	—
C6202	221(C)			—	—	—	—	—
C6202	222(D)			—	—	—	—	—
X * S101	-229			11/28	11/24	11/29	11/22	11/30
* * S102	-230			11/28	11/24	11/29	11/22	11/30
* * S103	-231			11/28	11/24	11/29	11/22	11/30
* * S104	-232			11/29	11/25	11/29	11/22	11/30
S105	-233			11/27	11/24	11/29	11/22	11/30
S105RE	-233RE			11/27				

List below all samples (by sample number and fraction) qualified due to holding times

(A) - SOC DW Sample
(B) SOC DW Blank
(C) VOC DW Sample
(D) VOC DW Blank
~~VOA TB 596234 11/20 11/22 11/28 OK~~

		Sampled	Rec'd	Analyzed
VOA	TB2 596235	11/20	11/22	11/26

* - VOA out of holding time - Aromatics qualified (R) or (UJ)

Data Validation Checklist
Site Name Jo Davies
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Laboratory TEPA
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II. GC/MS Instrument Performance Check

Fraction. (VOA) SemiVOA *(circle one)*

1. Evaluate Forms V and Raw Data

	YES	NO	
a.	[X]	[ ]	Check that Forms V are present and completed for each 12 hour time period
b	[X]	[ ]	Check for transcription errors between raw data and Forms V
c	[X]	[ ]	Check that the appropriate number of significant figures has been reported and that rounding errors have not occurred
d	[X]	[ ]	Check for calculation errors

2. Verify Raw Data Format

YES	NO	
[X]	[ ]	Check mass spectral listing to determine that the mass assignment is correct and that the mass listing is normalize to the specified ion (m/z 95 for VOA, m/z 198 for SemiVOA)

3 Verify Ion Abundance Criteria

YES	NO	
[X]	[ ]	Check that all ion abundance criteria has been met

4. Verify Background Correction

YES	NO	
[X]	[ ]	Check that tuning compound spectra were generated using appropriate background correction

Comments

NONE

Data Validation Checklist
Site Name: Jo Davies(2)
SDG No · 596223
Laboratory IEPA
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III. Initial Calibration

GC/MS

Fraction VOA SemiVOA (*circle one*)

1. ***Verify that the Correct Standard Concentrations Were Used***

YES NO
[X] [ ] Check the Forms VI and the raw data to verify that the correct standard concentrations were used to calibrate the GC/MS instrument(s)

2 ***Verify that the Correct Initial Calibration was Used for Water and Low Level Soils.***

YES NO N/A
[X] [ ] [ ] Check that initial calibrations were performed as required for water/med level soil and low level soil

3. ***Verify Use of Correct Standards***

YES NO N/A
[X] [ ] [ ] Check that the correct standard was used for quantitation of samples, if samples were analyzed immediately subsequent to initial calibration

4 ***Evaluate Initial Calibration RRFs and mean RRFs***

YES NO
a [X] [ ] Check and recalculate the RRFs and mean RRFs for several target compounds (at least one associated with each internal standard)

b [X] [ ] Check that, for all target compounds and surrogates, the mean RRFs meet the applicable criteria. Note any "outliers" on the Calibration Outliers Form

5. ***Evaluate Initial Calibration %RSDs.***

YES NO
a. [X] [ ] Check and recalculate the *%RSD* for several target compounds

b [X] [ ] Check that the applicable *%RSD* criteria have been met. Note any "outliers" on the Calibration Outliers Form

Comments: See Outliers Form

Data Validation Checklist
Site Name: Jo Davies (2)
SDG No : 590223
Laboratory: ESPI
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IV. Continuing Calibration

GC/MS

Fraction: (VOA) SemiVOA (*circle one*)

1. Verify Continuing Calibration Frequency.

	YES	NO	
a	[X]	[ ]	Check the continuing calibration raw data and Forms VII to verify that continuing calibration standards were analyzed at the proper frequency and that each continuing calibration was compared to the appropriate initial calibration

2 Evaluate Continuing Calibration RRFs

	YES	NO	
a.	[X]	[ ]	Check and recalculate the continuing calibration *RRFs* for several compounds
b	[X]	[ ]	Check that all target compound and surrogate *RRFs* meet the criteria.

3 Evaluate Continuing Calibration %Ds.

	YES	NO	
a	[X]	[ ]	Check and recalculate the continuing calibration *%Ds* for several compounds
b	[X]	[ ]	Check that all target compound and surrogate *%Ds* meet the applicable criteria

Comments. See Outlier Form

VOLATILE CALIBRATION OUTLIERS

3/90 SOW

Lab Name EPA Case Jo Davies (2)

Instrument # / DATE/TIME	Minimum RRF	Initial Cal 11/22/95 RF	%RSD	Q	Contin. Cal 11/27/95 RF	%RSD	Q	Contin. Cal 11/28/95 RF	%RSD	Q	Contin. Cal 11/29/95 RF	%RSD	Q	Contin. Cal RF	%RSD	Q
Chloromethane	0.010															
Bromomethane	0.100					29.7										
Vinyl Chloride	0.100															
Chloroethane	0.010					62.3										
Methylene Chloride	0.010															
Acetone	0.010					127.6						36.1				
Carbon Disulfide	0.010															
1-Dichloroethene	0.100															
1-Dichloroethane	0.200															
2-Dichloroethene (total)	0.010															
Chloroform	0.200															
2 Dichloroethane	0.100															
2 Butanone	0.010											26.2				
1 1-Trichloroethane	0.100															
Carbon Tetrachloride	0.100															
Bromodichloromethane	0.200															
2 Dichloropropane	0.010															
cis 3-Dichloropropene	0.200															
Trichloroethene	0.200															
Dibromochloromethane	0.100															
1 2 Trichloroethane	0.100															
Benzene	0.500															
trans 3-Dichloropropene	0.100															
Bromoform	0.100															
4-Methyl 2 Pentanone	0.010					-121.3										
2 Hexanone	0.010											132.5				
Tetrachloroethene	0.200															
1 2 2 Tetrachloroethane	0.500					-29.8										
Toluene	0.400															
Chlorobenzene	0.500															
Ethylbenzene	0.100															
Styrene	0.300															
Xylene (total)	0.300															
Bromofluorobenzene	0.300															

AFFECTED SAMPLES

VBLKW1	VBLKW2	VBLKW3	
G101	VBLKTB1	G104	
G102	S102	G104DL	
G102RE	G105		
G101RE	G106		
G103	S103		
G103RE	S104		
S105	S102MS		
S105RE	S102MSD		
	S101		
	VBLKTB2		

Reviewer's Initials Date

3/92

C This column of flags should be applied to the analytes on the sample data sheets.

Data Validation Checklist
Site Name. Jo Davies (2)
SDG No.: 596223
Laboratory: IEPA
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V. Blanks

Fraction: (VOA) SemiVOA Pest. (*circle one*)

1. ***Review Blank Results.***

YES NO
[X] [ ] Check all associated blanks for the presence of TCL compounds or TICs Note all contaminated blanks and associated samples below

2 ***Verify Blank Frequency***

YES NO
[X] [ ] Check that blank analyses have been performed at the required frequency

Blank Summary

Blank Sample No	VBLKW1	VBLKW2	VBLKW3	VBLKB1	VBLKB2
Date Anal. or Extr	11/27/95	11/28/95	11/29/95	11/28/95	11/28/95
Instrument	5100B	5100B	5100B	5100B	5100D

TCL Comp d	Amount	TCL Comp d	Amount	TCL Comp d	Amount	TCL Comp d	Amount

TIC Comp d	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount

Data Validation Checklist
Site Name To Davies 2
SDG No 596223
Laboratory IEPA
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VI. Surrogate Spikes

GC/MS

Fraction VOA SemiVOA (*circle one*)

1. Review Raw Data

YES NO
[X] [ ] Check raw data to verify that the recoveries on the Form II are accurate and within the limits

2. Evaluate Surrogate Recovery Calculations

YES NO
[X] [ ] Check that the surrogate spike recoveries were calculated correctly and are free from transcription errors

3 Evaluate Surrogate Recoveries

YES NO
a. [X] [ ] Check that reanalyses were performed as required
b [X] [ ] Check that surrogate recoveries in blanks met criteria

4 Evaluate Reanalyses

YES NO
[X] [ ] Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use This determination must be performed in conjunction with the evaluation of the internal standard area response criteria. List below the results of the reviewers determinations

Comments

G101	DCE	Recovery	high	use
G101RE	"	"	"	use orig
G102	"		"	use
G102RE	"		"	use orig
G103	"		"	use
G103RE	"		"	use orig
* G104	"		"	
S105	"		"	use
S105RE	"		"	use orig

* See Case Narrative about why a reanalysis not performed

Data Validation Checklist
Site Name: Jo Davies (2)
SDG No : 516223
Laboratory: IEPA
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VII. Matrix Spikes/Matrix Spike Duplicates

Fraction. (VOA) SemiVOA Pesticide (*circle one*)

1. Verify Frequency

YES NO
[X] [ ] Check that MS and MSD samples were analyzed at the correct frequency

2 Evaluate MS/MSD Criteria

YES NO
[X] [ ] Check MS/MSD results for *%R* and *RPD* are within the advisory limits

3 Verify MS/MSD Calculations

YES NO
a [X] [ ] Check raw data and verify that results are calculated correctly and are free from transcription errors

b [X] [ ] Check that *%Rs* and *RPDs* were calculated correctly

4 Evaluate Sample Precision

YES NO
[X] [ ] Compare *%RSD* results of non-spiked compounds between the original result, MS and MSD

Compound	Orig Result	MS Result	MSD Result	%RSD

Comments:
NONE

Data Validation Checklist
Site Name: Jo Duvies (2)
SDG No: 596223
Laboratory: IEPA
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VIII. Laboratory Control Samples

N/A

IX. Project Specific QA/QC

Evaluation Procedures must follow the project QAPjP.

Data Validation Checklist
Site Name Jo Davies (2)
SDG No · 596223
Laboratory IEPA
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X. Internal Standards

GC/MS

Fraction (VOA) SemiVOA *(circle one)*

1. ***Evaluate Raw Data.***

YES NO
[✓] [ ] Check raw data and verify that the internal standard retention times and areas reported on the Forms VIII are correct.

2 ***Verify RT and IS Area Criteria.***

YES NO
[✓] [ ] Check that retention times and internal standard area meet the appropriate criteria

3 ***Evaluate Reanalyses***

YES NO
[✓] [ ] Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use This determination must be performed in conjunction with the evaluation of the surrogate spike recovery criteria. List the results of the reviewers determinations in Section VI , Surrogate Spikes

Comments

NONE

Data Validation Checklist
Site Name. Jo Davies (2)
SDG No 591623
Laboratory IEPA
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XI. Target Compound Identification

GC/MS

Fraction (VOA) SemiVOA (*circle one*)

1. ***Verify Relative Retention Time (RRT) Criteria.***

   YES NO
   [X] [ ] Check that the RRT of reported compounds is within the criteria.

2. ***Evaluate Target Compound Spectra.***

   YES NO
   [X] [ ] Check the sample target compound spectra against the laboratory standard spectra, verify that the specified criteria are met

3 ***Evaluate Possible Carryover***

   YES NO
   [X] [ ] Check the raw data of the samples as related to the samples analyzed previously to verify that sample carryover has not adversely affected results

4 ***Evaluate Chromatograms***

   YES NO
   [X] [ ] Check the sample chromatograms to verify that peaks are accounted for

Comments

WONS

Data Validation Checklist
Site Name: To Davies (2)
SDG No.: 5960223
Laboratory: ESDA
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XII. Compound Quantitation and Reported CRQLs

Fraction: (VOA) SemiVOA Pesticide (*circle one*)

1 ***Evaluate Quantitation of Sample Results***

YES NO
[X] [ ] Check raw data to verify calculation of sample results

2 ***Evaluate Quantitation Parameters***

YES NO N/A
[X] [ ] [ ] For GC/MS analyses, check that the correct internal standard, quantitation ion, and *RRF* were used to quantitate results
Verify that the same internal standard, quantitation ion, and *RRF* are used throughout, in both the calibration and as well as the quantitation process

3 ***Evaluate CRQLs.***

YES NO
[X] [ ] Check that the CRQLs have been adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors

Comments
NONE

Data Validation Checklist
Site Name. Jo Davies (2)
SDG No 5960233
Laboratory: EPA
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XIII. Tentatively Identified Compounds

GC/MS Only

Fraction VOA SemiVOA (*circle one*)

1 ***Evaluate Tentative Identifications***

YES NO
[X] [ ] Check that all TICs reported meet the identification guidelines

2 ***Evaluate Raw Data***

YES NO
[X] [ ] Check raw data to verify that the laboratory has generated a library search for all required peaks in the chromatograms for samples and blanks

3 ***Evaluate Blanks***

YES NO
[X] [ ] Check blank sample chromatograms to verify that TIC peaks present in samples are not found in blanks

4 ***Examine Mass Spectra***

YES NO
[X] [ ] Check all mass spectra for every sample

5 ***Evaluate TIC Identifications***

YES NO
[X] [ ] Since TIC library searches often yield several candidate compounds, all reasonable choices must be considered

6. ***Evaluate Laboratory Artifacts and Contaminants***

YES NO
[X] [ ] Check sample results and raw data to verify that common laboratory artifacts and contaminants are not reported as sample contaminants

Data Validation Checklist
Site Name. Jo Davis (2)
SDG No 596223
Laboratory IEPA
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XIII. TICs continued

7. *Evaluate Possibility of False Negatives*

	YES	NO	N/A	
a.	[X]	[ ]	[ ]	Check to determine if target compounds have been identified and quantitated as TICs.
b.	[X]	[ ]	[ ]	If target compounds have been identified and quantitated as TICs, check to determine whether the false negative is an isolated occurrence or whether additional data may be affected. Comment on all such false negatives below

8. *Determine That Results Are From Proper Fraction*

YES	NO	N/A	
[X]	[ ]	[ ]	Target compounds could be identified in more than one fraction; if this occurs, check that quantitation is from the proper fraction

9 *Verify that internal standards and surrogates are not searched*

YES	NO	
[X]	[ ]	Check that library searches were not performed on internal standards or surrogates

10 *Verify Estimated Quantitation of TICs.*

YES	NO	
[X]	[ ]	Check that the estimated concentration of the TICs was made using an assumed *RRF* of one

Comments

None

Data Validation Checklist
Site Name Jo
SDG No 596223
Laboratory IEPA
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XIV. GC/MS System Performance

Fraction. (VOA) SemiVOA *(circle one)*

1. Evaluate Overall System Performance.

	YES	NO	
a.	[X]	[ ]	Check for high RIC background levels or shifts in absolute retention times of internal standards
b	[X]	[ ]	Check for excessive baseline rise at elevated temperature
c	[X]	[ ]	Check for extraneous peaks
d.	[X]	[ ]	Check for loss of resolution
e	[X]	[ ]	Check for peak tailing or peak splitting that may result in inaccurate quantitation

Comments
NONE

Case : Jo Davis (2)
596225

VOA SV PEST

Pg 17 of 44

Water sample surrogate %R

$\frac{(14959)(250)(1)}{(6983)(1.739)(5)} = 61.5$

Sample # (and column # for PEST) : ~~6101~~ S6101
Surrogate : DCF
Concentration added (ug/L) . 50
Calculated %R : 123
Reported %R : 123

$\frac{61.5}{50.0} \times 100 = 123$

Comment : OK

Soil sample surrogate %R

Sample # (and column # for PEST) : _____
Surrogate : _____
Concentration added (ug/Kg) . _____
Calculated %R _____
Reported %R _____

N/A

Comment . _____

Water sample MS/MSD

$\frac{(37171)(250)(1)}{(43226)(0.937)(5)} = 45.9$

Sample # (and column # for PEST) : S102MS
Compound : Benzene
Calculated concentration (ug/L) . 45.9
Reported concentration 45.9
%R calculated correctly? yes

Comment : _____

Soil sample MS/MSD

N/A

Sample # (and column # for PEST) : _____
Compound : _____
Calculated concentration (ug/Kg) . _____
Reported concentration : _____
%R calculated correctly? _____

Comment : _____

Data Validation Checklist
Site Name Joe Davies (2)
SDG No · 596203
Laboratory IEPA
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II. GC/MS Instrument Performance Check

Fraction VOA (SemiVOA) *(circle one)*

1 Evaluate Forms V and Raw Data

	YES	NO	
a.	[X]	[ ]	Check that Forms V are present and completed for each 12 hour time period
b	[X]	[ ]	Check for transcription errors between raw data and Forms V
c	[X]	[ ]	Check that the appropriate number of significant figures has been reported and that rounding errors have not occurred
d	[X]	[ ]	Check for calculation errors

2. Verify Raw Data Format

YES	NO	
[X]	[ ]	Check mass spectral listing to determine that the mass assignment is correct and that the mass listing is normalize to the specified ion (m/z 95 for VOA, m/z 198 for SemiVOA)

3 Verify Ion Abundance Criteria

YES	NO	
[X]	[ ]	Check that all ion abundance criteria has been met

4. Verify Background Correction

YES	NO	
[X]	[ ]	Check that tuning compound spectra were generated using appropriate background correction

Comments

NONE

Data Validation Checklist
Site Name: Jo Davies(2)
SDG No.: 596223
Laboratory: IEPA
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III. Initial Calibration

GC/MS

Fraction VOA SemiVOA (*circle one*)

1. ***Verify that the Correct Standard Concentrations Were Used***

YES NO
[X] [ ] Check the Forms VI and the raw data to verify that the correct standard concentrations were used to calibrate the GC/MS instrument(s).

2. ***Verify that the Correct Initial Calibration was Used for Water and Low Level Soils.***

YES NO N/A
[X] [ ] [ ] Check that initial calibrations were performed as required for water/med level soil and low level soil

3. ***Verify Use of Correct Standards***

YES NO N/A
[X] [ ] [ ] Check that the correct standard was used for quantitation of samples, if samples were analyzed immediately subsequent to initial calibration

4 ***Evaluate Initial Calibration RRFs and mean RRFs***

YES NO
a [X] [ ] Check and recalculate the RRFs and mean RRFs for several target compounds (at least one associated with each internal standard)

b [X] [ ] Check that, for all target compounds and surrogates, the mean RRFs meet the applicable criteria. Note any "outliers" on the Calibration Outliers Form

5. ***Evaluate Initial Calibration %RSDs***

YES NO
a. [X] [ ] Check and recalculate the *%RSD* for several target compounds

b [X] [ ] Check that the applicable *%RSD* criteria have been met. Note any "outliers" on the Calibration Outliers Form

Comments. See Outliers

Data Validation Checklist
Site Name: Jo Davies (2)
SDG No : 596223
Laboratory: IEPA
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IV. Continuing Calibration

GC/MS

Fraction: VOA SemiVOA (*circle one*)

1. Verify Continuing Calibration Frequency

	YES	NO	
a.	[X]	[ ]	Check the continuing calibration raw data and Forms VII to verify that continuing calibration standards were analyzed at the proper frequency and that each continuing calibration was compared to the appropriate initial calibration

2 Evaluate Continuing Calibration RRFs

	YES	NO	
a.	[X]	[ ]	Check and recalculate the continuing calibration *RRFs* for several compounds
b	[X]	[ ]	Check that all target compound and surrogate *RRFs* meet the criteria.

3 Evaluate Continuing Calibration %Ds

	YES	NO	
a.	[X]	[ ]	Check and recalculate the continuing calibration *%Ds* for several compounds
b	[X]	[ ]	Check that all target compound and surrogate *%Ds* meet the applicable criteria.

Comments. See Outlier Form

SEMIVOLATILE CALIBRATION OUTLIERS

Page 1

ab Name _____ Case. Jo Davies 2 D5960223

nstrument #	Minimum	Initial Cal			Contin. Cal.			Contin. Cal			Contin Cal			Contin. Cal.		
DATE/TIME	RRF	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q	RF	%RSD	Q
		11/17/95			11/29/95			11/30/96								
Phenol	0 800															
bis(2-Chloroethyl)ether	0 700															
2 Chlorophenol	0 800															
3-Dichlorobenzene	0 600															
4-Dichlorobenzene	0 500															
2-Dichlorobenzene	0 400															
2 Methylphenol	0 700															
2 2 oxybis(1-Chloropropane)	0 010					-31.7			-34 5							
-Methylphenol	0 600															
N-Nitroso-di-n-propylamine	0 500															
Hexachloroethane	0 300															
Nitrobenzene	0 200															
Isophorone	0 400															
2-Nitrophenol	0 100															
2 4-Dimethylphenol	0 200															
bis(2 Chloroethoxy)methane	0 300															
2 4-Dichlorophenol	0 200															
2 4-Trichlorobenzene	0 200															
Naphthalene	0 700															
-C[illegible]aniline	0 010		83.5			74.6			59.5							
Hex[illegible]orobutadiene	0 010															
4-Chloro-3-methylphenol	0 200															
2 Methylnaphthalene	0 400															
Hexachlorocyclopentadiene	0 010															
2 4 6-Trichlorophenol	0 200															
2 4 5-Trichlorophenol	0 200															
2 Chloronaphthalene	0 800															
2-Nitroaniline	0 010															
Dimethylphthalate	0 010															
Acenaphthylene	1 300															
2 6-Dinitrotoluene	0 200															
3-Nitroaniline	0 010					78.1		0.024	89.5							
Acenaphthene	0 800															
2 4-Dinitrophenol	0 010				0.025	82.8		0.032	77.9							
4-Nitrophenol	0 010				0.029	56.1		0.019	71.2							
Dibenzofuran	0 800															
2 4-Dinitrotoluene	0 200															

AFFECTED SAMPLES

	SBLKW1	SBLKW3
	S104	G101
	SBLKW2	G102
	S103	G103
	S102	G104
	S105	G104DL
	S101	G103MS
	S106	G103MSD
	G105	

Reviewer's initials/Date

3/92

Q - [illegible] column of flags should be applied to the analytes on the sample data sheets.

Data Validation Checklist
Site Name: Jo Davies (2)
SDG No : 5916223
Laboratory ISPA
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V. Blanks

Fraction. VOA SemiVOA Pest. *(circle one)*

1. Review Blank Results.

YES NO
[X] [ ] Check all associated blanks for the presence of TCL compounds or TICs Note all contaminated blanks and associated samples below

2 Verify Blank Frequency

YES NO
[X] [ ] Check that blank analyses have been performed at the required frequency

Blank Summary

Blank Sample No	SBLKW1	SBLKW2	SBLKW3	
Date Anal. or Extr	11/28/95	11/29	11/30	
Instrument	INC500	INC500	INC500	

TCL Comp d	Amount	TCL Comp d	Amount	TCL Comp d	Amount	TCL Comp d	Amount
Diethyl phthalate	4	Bis n-Octyl Phthalate	13	Diethyl phthalate	7		

TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp d	Amount
Bis-2-Cyclohexen-1-yl	9			Bis 2ethyl hexyl-1-yl	14		

Data Validation Checklist
Site Name Jo Davies
SDG No 596223
Laboratory IERA
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VI. Surrogate Spikes

GC/MS

Fraction VOA SemiVOA (*circle one*)

1. *Review Raw Data*

YES NO
[X] [ ] Check raw data to verify that the recoveries on the Form II are accurate and within the limits

2. *Evaluate Surrogate Recovery Calculations*

YES NO
[X] [ ] Check that the surrogate spike recoveries were calculated correctly and are free from transcription errors

3 *Evaluate Surrogate Recoveries.*

YES NO
a [X] [ ] Check that reanalyses were performed as required
b [ ] [ ] Check that surrogate recoveries in blanks met criteria.

4. *Evaluate Reanalyses*

YES NO
[ ] [ ] Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use This determination must be performed in conjunction with the evaluation of the internal standard area response criteria List below the results of the reviewers determinations.

Comments
G104 FBP Low 2FP high
G104DL - All Surrogates diluted out
G105 TPH recovery high

Data Validation Checklist
Site Name: To Davies 62
SDG No.. 596223
Laboratory: ISPA
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VII. Matrix Spikes/Matrix Spike Duplicates

Fraction VOA SemiVOA Pesticide (*circle one*)

1. ***Verify Frequency***

YES NO
[X] [ ] Check that MS and MSD samples were analyzed at the correct frequency

2. ***Evaluate MS/MSD Criteria.***

YES NO
[X] [ ] Check MS/MSD results for *%R* and *RPD* are within the advisory limits

3 ***Verify MS/MSD Calculations.***

YES NO
a [X] [ ] Check raw data and verify that results are calculated correctly and are free from transcription errors

b [X] [ ] Check that *%Rs* and *RPDs* were calculated correctly

4 ***Evaluate Sample Precision***

YES NO
[X] [ ] Compare *%RSD* results of non-spiked compounds between the original result, MS and MSD

	Compound	Orig Result	MS Result	MSD Result	%RSD
G103	Bis(2 Ethylhexyl)Phthalate	42	49	39	11

Comments:

G03 4-Chloro-3-methylphenol %R low in MS & MSD
Acenaphthene " " " " " %RPD high
4-Nitrophenol %R high in MSD - %RPD high
Pyrene %R low in MS & MSD - RPD high

Data Validation Checklist
Site Name Jo Davies
SDG No.. 596223
Laboratory IEPA
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VIII. Laboratory Control Samples

N/A

IX. Project Specific QA/QC

Evaluation Procedures must follow the project QAPjP

Data Validation Checklist
Site Name Jo Davies (2)
SDG No · 596223
Laboratory IEPA
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X. Internal Standards

GC/MS

Fraction VOA SemiVOA (*circle one*)

1. ***Evaluate Raw Data.***

YES NO
[X] [ ] Check raw data and verify that the internal standard retention times and areas reported on the Forms VIII are correct.

2. ***Verify RT and IS Area Criteria.***

YES NO
[X] [ ] Check that retention times and internal standard area meet the appropriate criteria.

3. ***Evaluate Reanalyses.***

YES NO
[X] [ ] Whenever there are two or more analyses for a particular sample, determine which are the best analyses to use This determination must be performed in conjunction with the evaluation of the surrogate spike recovery criteria. List the results of the reviewers determinations in Section VI , Surrogate Spikes

Comments

None

Data Validation Checklist
Site Name JJ Davies (2)
SDG No. 596226
Laboratory IEPA
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XI. Target Compound Identification

GC/MS

Fraction VOA SemiVOA (circle one)

1. *Verify Relative Retention Time (RRT) Criteria.*

   YES NO
   [X] [ ] Check that the RRT of reported compounds is within the criteria.

2. *Evaluate Target Compound Spectra.*

   YES NO
   [X] [ ] Check the sample target compound spectra against the laboratory standard spectra, verify that the specified criteria are met

3. *Evaluate Possible Carryover*

   YES NO
   [X] [ ] Check the raw data of the samples as related to the samples analyzed previously to verify that sample carryover has not adversely affected results

4 *Evaluate Chromatograms*

   YES NO
   [X] [ ] Check the sample chromatograms to verify that peaks are accounted for

Comments

WONS

Data Validation Checklist
Site Name. Jo Davies (3)
SDG No · 596223
Laboratory· IEPA
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XII. Compound Quantitation and Reported CRQLs

Fraction: VOA SemiVOA Pesticide *(circle one)*

1. ***Evaluate Quantitation of Sample Results***

YES NO
[X] [ ] Check raw data to verify calculation of sample results

2 ***Evaluate Quantitation Parameters***

YES NO N/A
[X] [ ] [ ] For GC/MS analyses, check that the correct internal standard, quantitation ion, and *RRF* were used to quantitate results
Verify that the same internal standard, quantitation ion, and *RRF* are used throughout, in both the calibration and as well as the quantitation process

3 ***Evaluate CRQLs***

YES NO
[X] [ ] Check that the CRQLs have been adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors

Comments
NONE

Data Validation Checklist
Site Name Jo Davies 121
SDG No 596223
Laboratory SIEPA
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XIII. Tentatively Identified Compounds

GC/MS Only

Fraction: VOA SemiVOA (*circle one*)

1 ***Evaluate Tentative Identifications***

YES NO
[ ] [ ] Check that all TICs reported meet the identification guidelines

2 ***Evaluate Raw Data.***

YES NO
[ ] [ ] Check raw data to verify that the laboratory has generated a library search for all required peaks in the chromatograms for samples and blanks

3 ***Evaluate Blanks.***

YES NO
[ ] [ ] Check blank sample chromatograms to verify that TIC peaks present in samples are not found in blanks

4 ***Examine Mass Spectra***

YES NO
[ ] [ ] Check all mass spectra for every sample

5. ***Evaluate TIC Identifications***

YES NO
[ ] [ ] Since TIC library searches often yield several candidate compounds, all reasonable choices must be considered

6 ***Evaluate Laboratory Artifacts and Contaminants.***

YES NO
[ ] [ ] Check sample results and raw data to verify that common laboratory artifacts and contaminants are not reported as sample contaminants

Data Validation Checklist
Site Name. Jo Davies (2)
SDG No · 596223
Laboratory ISPA
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XIII. TICs continued

7. *Evaluate Possibility of False Negatives.*

	YES	NO	N/A	
a.	[X]	[ ]	[ ]	Check to determine if target compounds have been identified and quantitated as TICs
b	[ ]	[ ]	[ ]	If target compounds have been identified and quantitated as TICs, check to determine whether the false negative is an isolated occurrence or whether additional data may be affected. Comment on all such false negatives below

8. *Determine That Results Are From Proper Fraction*

YES	NO	N/A	
[X]	[ ]	[ ]	Target compounds could be identified in more than one fraction, if this occurs, check that quantitation is from the proper fraction

9. *Verify that internal standards and surrogates are not searched*

YES	NO	
[X]	[ ]	Check that library searches were not performed on internal standards or surrogates

10 *Verify Estimated Quantitation of TICs.*

YES	NO	
[X]	[ ]	Check that the estimated concentration of the TICs was made using an assumed *RRF* of one

Comments

NONE

Data Validation Checklist
Site Name Jo Davies(2)
SDG No 596223
Laboratory IEPA
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XIV. GC/MS System Performance

Fraction VOA SemiVOA (*circle one*)

1. Evaluate Overall System Performance.

	YES	NO	
a.	[X]	[ ]	Check for high RIC background levels or shifts in absolute retention times of internal standards
b	[X]	[ ]	Check for excessive baseline rise at elevated temperature
c	[X]	[ ]	Check for extraneous peaks
d	[X]	[ ]	Check for loss of resolution
e	[X]	[ ]	Check for peak tailing or peak splitting that may result in inaccurate quantitation

Comments None

Case : Jo Davies (2) VOA SV PEST

Water sample TCL

Sample # (and column # for PEST) : 5103
Compound . Diethylphthalate
Calculated concentration (ug/L) : 3.0
Reported concentration : 3.0

$\frac{(26541)(40)(1000)(1)}{(141281)(1.367)(1000)(2)} = 3.0.$

Comment

Soil sample TCL

Sample # (and column # for PEST) :
Compound
Calculated concentration (ug/Kg) :
Reported concentration :

N/A

Comment

Multicomponent analyte (PEST only)

Sample and column # .
Compound .
Calculated concentration
Reported concentration :

N/A

Comment

TICs

Water sample # . 6106
TIC # 11
Calculated concentration (ug/L) . 5
Reported concentration : 5

$\frac{(35714)(40)(1000)(1)}{(134161)(1)(1000)(2)} = 5$

OK

Comment

Soil sample #
TIC #
Calculated concentration (ug/Kg) :
Reported concentration :

NA

Comment

Data Validation Checklist
Site Name Jo Davies (2)
SDG No 5916223
Laboratory IEPA
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II. Pesticide Instrument Performance Check

1. Resolution Check Mixture

	YES	NO	
a.	[X]	[ ]	Check the Form VIII PEST to determine that the resolution check mixture(s) was analyzed in the proper sequence
b	[X]	[ ]	Check the resolution check mixture data and the Form VI PEST -4 to verify that the resolution criterion was met

2 Performance Evaluation Mixture

	YES	NO	
a	[X]	[ ]	Check the Form VII PEST to determine that the PEM(s) was analyzed at the proper frequency and position in the initial calibration sequence
b	[X]	[ ]	Check the PEM data from the initial and continuing calibrations to verify that the resolution criterion was met.
c	[X]	[ ]	Check the PEM data from the initial and continuing calibrations and Form VII PEST -1 to verify that the retention times are within the retention time windows
d	[X]	[ ]	Check that the *RPDs* meet the criterion
e	[X]	[ ]	Check that the breakdowns for 4,4'-DDT and Endrin meet the criteria

Comments

NONE

Data Validation Checklist
Site Name: Jo Davies (2)
SDG No.: 596223
Laboratory: IEPA
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III. Initial Calibration
PESTICIDES

1 *Individual Standard Mixtures*

YES NO

a. [X] [ ] Check the Form VIII PEST to verify that the Individual Standard Mixtures were analyzed at the proper frequency for each GC column and instrument. Check that the proper concentrations were used.

b [X] [ ] Check the raw data to determine that the midpoint standard is at the proper concentration and verify that the resolution criterion has been met for each midpoint concentration standard

c [X] [ ] Check the Individual Standard Mixture data and Form VI PEST -1 and review the calculated retention time windows for calculation and transcription errors

d [X] [ ] Check the Individual Standard Mixture data and Form VI PEST -2 to verify that the *%RSDs* for the calibration factors meet the criterion Check and recalculate several *%RSDs* for errors

2 *Multi Component Compounds*

a [X] [ ] Check the raw data and the Form VIII PEST to verify that the Multi component Standards were analyzed at the proper concentration and frequency for each GC column and instrument.

b [X] [ ] Check the raw data and Form VI PEST -3 to verify that at least three peaks were used for calibration and that retention time and calibration factor data are available for each peak

Comments:
NONE

Data Validation Checklist
Site Name: Jo Davies (2)
SDG No : 596223
Laboratory ESPA
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IV. Continuing Calibration
PESTICIDES

1. ***Evaluate Continuing Calibration Standards.***

YES NO
[X] [ ] Check the Form VIII PEST to verify that the Instrument Blanks, PEMs, and Individual Standard Mixtures were analyzed at the proper frequency and that no more than 12 00 hours elapsed between calibration brackets in an ongoing analytical sequence.

2. ***Individual Standard Mixtures Resolution***

YES NO
[X] [ ] Check the data for the midpoint concentration of the Individual Standard Mixtures to verify that the resolution criteria was met.

3. ***Individual Standard Mixtures Retention Times***

YES NO
[X] [ ] Check the data for each of the single component pesticides and surrogates in the midpoint concentration of the Individual Standard Mixtures to verify that the retention times are within the appropriate windows

4 ***Evaluate Continuing Calibration RPDs***

YES NO
[X] [ ] Check the data for the midpoint concentration of the Individual Standard Mixtures and Form VII PEST -2 to verify that the *RPDs* between the calculated amount and the true amount for each of the pesticides and surrogates meet the criterion.

Comments
none

Data Validation Checklist
Site Name Jo Davies (2)
SDG No 596223
Laboratory IEPA
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V. Blanks

Fraction VOA SemiVOA Pest. (circle one)

1 ***Review Blank Results.***

YES NO
[X] [ ] Check all associated blanks for the presence of TCL compounds or TICs Note all contaminated blanks and associated samples below

2 ***Verify Blank Frequency***

YES NO
[X] [ ] Check that blank analyses have been performed at the required frequency

Blank Summary

Blank Sample No	PB1KW1			
Date Anal. or Extr	11/29/95			
Instrument	HP1 HP2			

TCL Comp d	Amount	TCL Comp d	Amount	TCL Comp d	Amount	TCL Comp d	Amount

TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount	TIC Comp'd	Amount

Data Validation Checklist
Site Name: Jo Davies (D)
SDG No.: 5916223
Laboratory: IEPA
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VI. Surrogate Spikes

Pesticides

1. Review Raw Data.

YES NO
[X] [ ] Check raw data to verify that the recoveries on the Form II are accurate and within the limits

2. Evaluate Surrogate Recovery Calculations.

YES NO
[X] [ ] Check that the surrogate spike recoveries were calculated correctly and are free from transcription errors.

3 Evaluate Possible Interferences

YES NO N/A
[X] [ ] [ ] If surrogate spike recoveries are not acceptable, check the raw data for possible interferences which may have effected surrogate recoveries

4 Evaluate Retention Times

YES NO N/A
[X] [ ] [ ] If retention time limits are not met, check the raw data for possible misidentification of GC peaks

5. Evaluate Any Low Recoveries

YES NO N/A
[X] [ ] [ ] If low surrogate recoveries are observed, check whether low recoveries are due to sample dilution

6. Evaluate Surrogate Analyses in Blanks.

YES NO
[X] [ ] Check that all surrogate analysis criteria (retention time and advisory recovery criteria) were met in all blank samples

Comments

6101	DCB out on Both columns
6102	TCX out on 608 DCB out on Both Columns
6103	TCX out on 608 DCB out on Both Columns
6104	TCX out on Both columns
6105	DCB out on Both columns
6106	DCB out on Both columns

No Action Taken

Data Validation Checklist
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VII. Matrix Spikes/Matrix Spike Duplicates

Fraction VOA SemiVOA Pesticide (*circle one*)

1. *Verify Frequency*

YES NO
[X] [ ] Check that MS and MSD samples were analyzed at the correct frequency

2. *Evaluate MS/MSD Criteria*

YES NO
[X] [ ] Check MS/MSD results for *%R* and *RPD* are within the advisory limits

3 *Verify MS/MSD Calculations.*

YES NO
a [X] [ ] Check raw data and verify that results are calculated correctly and are free from transcription errors

b [X] [ ] Check that *%Rs* and *RPDs* were calculated correctly

4. *Evaluate Sample Precision*

YES NO
[X] [ ] Compare *%RSD* results of non-spiked compounds between the original result, MS and MSD

Compound	Orig Result	MS Result	MSD Result	%RSD

Comments
gamma-BHC %RPD between MS & MSD out

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VIII. Laboratory Control Samples

N/A

IX. Project Specific QA/QC

Evaluation Procedures must follow the project QAPjP

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SDG No 596223
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X. Pesticide Cleanup Checks

1. Florisil Cartridge Check

	YES	NO	
a.	[X]	[ ]	Check the data from the Florisil cartridge solution analyses and the Form IX PEST -1 and check some of the *%R* calculations, verify that there are no calculation or transcription errors
b	[X]	[ ]	Check all criteria have been met

2 Gel Permeation Chromatography

	YES	NO	
a	[X]	[ ]	Check the data from the GPC calibration check analyses and the Form IX PEST -2 and recalculate some of the *%R* results, verify that there are no calculation or transcription errors
b	[X]	[ ]	Check all criteria have been met and that Arochlor patterns are similar to those of previous standards

Comments

NONE

Data Validation Checklist
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SDG No 96223
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XI. Target Compound Identification

Pesticides

1 Evaluate Reported Results

	YES	NO	
a	[X]	[ ]	Check the Form I PEST , the associated raw data, and Form X PEST -1 and Form X PEST -2 to confirm reported detected analytes
b	[X]	[ ]	Check the Form I PEST , the associated raw data, and Form X PEST -1 and Form X PEST -2 to confirm reported non-detects
c	[X]	[ ]	Check the associated blank data for potential interferences to evaluate sample data for false positives
d	[X]	[ ]	Check the calibration data for adequate retention time windows to evaluate the sample data for false positives and false negatives

2 Evaluate Multi-Component Analyte Results

YES	NO	
[X]	[ ]	Compare the retention times and relative peak height ratios of major multi-component analyte peaks against appropriate standard chromatograms

3 Verify GC/MS Confirmations if Applicable.

YES	NO	N/A	
[X]	[ ]	[ ]	Check that GC/MS confirmation was performed for pesticide concentrations in the final sample extract which exceeded 10 ng/ul

Comments

None

Data Validation Checklist
Site Name Jo Davies (2)
SDG No 5916223
Laboratory IEDA
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XII. Compound Quantitation and Reported CRQLs

Fraction VOA SemiVOA Pesticide (circle one)

1. Evaluate Quantitation of Sample Results

YES NO
[✓] [ ] Check raw data to verify calculation of sample results

2 Evaluate Quantitation Parameters

YES NO N/A
[✓] [ ] [ ] For GC/MS analyses, check that the correct internal standard, quantitation ion, and *RRF* were used to quantitate results
Verify that the same internal standard, quantitation ion, and *RRF* are used throughout, in both the calibration and as well as the quantitation process

3 Evaluate CRQLs.

YES NO
[✓] [ ] Check that the CRQLs have been adjusted to reflect all sample dilutions, concentrations, splits, cleanup activities, and dry weight factors

Comments
NONE

Data Validation Checklist
Site Name Jo Davies 2
SDG No. 5960223
Laboratory BEDA
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XV. Overall Assessment of Data

Evaluate the Overall Quality of the Data.

YES	NO	
[X]	[ ]	Evaluate any technical problems which have not been previously addressed
[X]	[ ]	Review all available materials to assess the overall quality of the dada, keeping in mind the additive nature of analytical problems
[X]	[ ]	If appropriate information is available, assess the usability of the data to assist the data user in avoiding inappropriate use of the data Review all available information, including the QAPjP, SAP, and communications with the data user that concerns the intended use of the data

Provide a brief narrative to give the data user an indication of the analytical limitations of the data Include any details from the above checks Any inconsistency of the data with the Case Narrative should be noted If sufficient information is available, the reviewer should give an assessment of the usability of the data within the given context

Data is valid as qualified

X G201 & G202 are DW samples Attached are the laboratory Checklists to show all QC is valid

Due to a lab accident the VOC DW Trip Blank could not be analyzed. Therefore we are unable to review the affects of the trip Blank. However, no target compounds found in G201 or G202 therefore no sample data is affected by the trip blank

Case : Jo Davis (2) — VOA — SV — PEST

Water sample TCL

Sample # (and column # for PEST) : G104 (DB608) (1798)(10000)(1) / (2430000)(1000)(1) = 0.0074
Compound . Aldrin
Calculated concentration (ug/L) : 0.0074
Reported concentration : 0.0074

Comment : _____

Soil sample TCL

N/A

Sample # (and column # for PEST) : _____
Compound _____
Calculated concentration (ug/Kg) : _____
Reported concentration : _____

Comment _____

Multicomponent analyte (PEST only)

Sample and column # . _____
Compound _____
Calculated concentration : _____
Reported concentration . _____

NONE Found

Comment _____

TICs

N/A

Water sample # _____
TIC # _____
Calculated concentration (ug/L) : _____
Reported concentration : _____

Comment _____

Soil sample # . _____
TIC # _____
Calculated concentration (ug/Kg) : _____
Reported concentration : _____

N/A

Comment _____

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

b Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596203

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK04

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 25 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U J
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U J
75-09-2	Methylene Chloride	13 ~~4~~	~~B~~ J U
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U J
75-34-3	1,1-Dichloroethane	13	U J
540-59-0	1,2-Dichloroethene (total)	13	U J
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X101

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596203

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK04

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 25 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596204

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK05

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 20 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1 0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U J
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U J
75-09-2	Methylene Chloride	12	BJ
67-64-1	Acetone	12	U
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U J
75-34-3	1,1-Dichloroethane	12	U J
540-59-0	1,2-Dichloroethene (total)	12	U J
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596204

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK05

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 20 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596205

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK06

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 22 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	UJ
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	UJ
75-09-2	Methylene Chloride	15	BJU
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	UJ
75-34-3	1,1-Dichloroethane	13	UJ
540-59-0	1,2-Dichloroethene (total)	13	UJ
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596205

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK06

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 22 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596206

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK07

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 23 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U J
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U J
75-09-2	Methylene Chloride	15	B J U
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U J
75-34-3	1,1-Dichloroethane	13	U J
540-59-0	1,2-Dichloroethene (total)	13	U J
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U J
591-78-6	2-Hexanone	13	U J
127-18-4	Tetrachloroethene	13	U J
79-34-5	1,1,2,2-Tetrachloroethane	13	U J
108-88-3	Toluene	13	U J
108-90-7	Chlorobenzene	13	U J
100-41-4	Ethylbenzene	13	U J
100-42-5	Styrene	13	U J
1330-20-7	Xylene (total)	13	U J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X104

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596206

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK07

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 23 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1 0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596207

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK08

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 22 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1 0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U J
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U J
75-09-2	Methylene Chloride	136	BJU
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U J
75-34-3	1,1-Dichloroethane	13	U J
540-59-0	1,2-Dichloroethene (total)	13	U J
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U J
56-23-5	Carbon Tetrachloride	13	U J
75-27-4	Bromodichloromethane	13	U J
78-87-5	1,2-Dichloropropane	13	U J
10061-01-5	cis-1,3-Dichloropropene	13	U J
79-01-6	Trichloroethene	13	U J
124-48-1	Dibromochloromethane	13	U J
79-00-5	1,1,2-Trichloroethane	13	U J
71-43-2	Benzene	13	U J
10061-02-6	trans-1,3-Dichloropropene	13	U J
75-25-2	Bromoform	13	U J
108-10-1	4-Methyl-2-Pentanone	13	U J
591-78-6	2-Hexanone	13	U J
127-18-4	Tetrachloroethene	13	U J
79-34-5	1,1,2,2-Tetrachloroethane	13	U J
108-88-3	Toluene	13	U J
108-90-7	Chlorobenzene	13	U J
100-41-4	Ethylbenzene	13	U J
100-42-5	Styrene	13	U J
1330-20-7	Xylene (total)	13	U J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X105

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596207

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK08

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 22 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1 0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS.
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596208

Sample wt/vol: 4.0 (g/mL) G Lab File ID: C1128BK04

Level: (low/med) MED Date Received: 11/21/95

% Moisture: not dec. 24 Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1600	U
74-83-9	Bromomethane	1600	U
75-01-4	Vinyl Chloride	1600	U
75-00-3	Chloroethane	1600	U
75-09-2	Methylene Chloride	1600	U
67-64-1	Acetone	1600	U J
75-15-0	Carbon Disulfide	1600	U
75-35-4	1,1-Dichloroethene	1600	U
75-34-3	1,1-Dichloroethane	1600	U
540-59-0	1,2-Dichloroethene (total)	1600	U
67-66-3	Chloroform	1600	U
107-06-2	1,2-Dichloroethane	1600	U
78-93-3	2-Butanone	1600	U J
71-55-6	1,1,1-Trichloroethane	1600	U
56-23-5	Carbon Tetrachloride	1600	U
75-27-4	Bromodichloromethane	1600	U
78-87-5	1,2-Dichloropropane	1600	U
10061-01-5	cis-1,3-Dichloropropene	1600	U
79-01-6	Trichloroethene	1600	U
124-48-1	Dibromochloromethane	1600	U
79-00-5	1,1,2-Trichloroethane	1600	U
71-43-2	Benzene	3000	J
10061-02-6	trans-1,3-Dichloropropene	1600	U
75-25-2	Bromoform	1600	U
108-10-1	4-Methyl-2-Pentanone	1600	U
591-78-6	2-Hexanone	1600	U J
127-18-4	Tetrachloroethene	1600	U
79-34-5	1,1,2,2-Tetrachloroethane	1600	U
108-88-3	Toluene	1600	U
108-90-7	Chlorobenzene	1600	U
100-41-4	Ethylbenzene	37000	E
100-42-5	Styrene	1600	U
1330-20-7	Xylene (total)	76000	E

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596208

Sample wt/vol: 4.0 (g/mL) G Lab File ID: C1128BK04

Level: (low/med) MED Date Received: 11/21/95

% Moisture: not dec. 24 Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	10.80	23000	J
2.	UNKNOWN ALIP. HYDROCARBON	10.95	36000	J
3.	UNKNOWN ALIP. HYDROCARBON	11.15	25000	J
4.	UNKNOWN ALIP. HYDROCARBON	11.64	110000	J
5.	UNKNOWN ALIP HYDROCARBON	13.89	43000	J
6.	UNKNOWN	14.12	48000	J
7	UNKNOWN ALIP. HYDROCARBON	14.29	38000	J
8.	UNKNOWN ALIP. HYDROCARBON	14.55	43000	J
9	UNKNOWN ALIP. HYDROCARBON	14.85	38000	J
10.	UNKNOWN ALIP. HYDROCARBON	15.34	21000	J
11.	UNKNOWN ALIP. HYDROCARBON	17.19	45000	J
12.	UNKNOWN ALIP. HYDROCARBON	17.40	28000	J
13	UNKNOWN ALIP. HYDROCARBON	17.80	26000	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106DL

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596208DL

Sample wt/vol: 4.1 (g/mL) G Lab File ID: C1128BK06

Level: (low/med) MED Date Received: 11/21/95

% Moisture: not dec. 24 Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.4

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2200	U
74-83-9	Bromomethane	2200	U
75-01-4	Vinyl Chloride	2200	U
75-00-3	Chloroethane	2200	U
75-09-2	Methylene Chloride	2200	U
67-64-1	Acetone	2200	U J
75-15-0	Carbon Disulfide	2200	U
75-35-4	1,1-Dichloroethene	2200	U
75-34-3	1,1-Dichloroethane	2200	U
540-59-0	1,2-Dichloroethene (total)	2200	U
67-66-3	Chloroform	2200	U
107-06-2	1,2-Dichloroethane	2200	U
78-93-3	2-Butanone	2200	U J
71-55-6	1,1,1-Trichloroethane	2200	U
56-23-5	Carbon Tetrachloride	2200	U
75-27-4	Bromodichloromethane	2200	U
78-87-5	1,2-Dichloropropane	2200	U
10061-01-5	cis-1,3-Dichloropropene	2200	U
79-01-6	Trichloroethene	2200	U
124-48-1	Dibromochloromethane	2200	U
79-00-5	1,1,2-Trichloroethane	2200	U
71-43-2	Benzene	2400	D J
10061-02-6	trans-1,3-Dichloropropene	2200	U
75-25-2	Bromoform	2200	U
108-10-1	4-Methyl-2-Pentanone	2200	U
591-78-6	2-Hexanone	2200	U J
127-18-4	Tetrachloroethene	2200	U
79-34-5	1,1,2,2-Tetrachloroethane	2200	U
108-88-3	Toluene	2200	U
108-90-7	Chlorobenzene	2200	U
100-41-4	Ethylbenzene	33000	D J
100-42-5	Styrene	2200	U
1330-20-7	Xylene (total)	84000	DE J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X106DL

I Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596208DL

Sample wt/vol: 4.1 (g/mL) G Lab File ID: C1128BK06

Level: (low/med) MED Date Received: 11/21/95

% Moisture: not dec. 24 Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.4

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	10.95	32000	DJ
2.	UNKNOWN ALIP. HYDROCARBON	11.67	92000	DJ
3.	UNKNOWN ALIP. HYDROCARBON	12.07	18000	DJ
4.	UNKNOWN ALIP. HYDROCARBON	13.25	20000	DJ
5.	UNKNOWN ALIP. HYDROCARBON	13.90	45000	DJ
6.	UNKNOWN ALIP. HYDROCARBON	14.12	51000	DJ
7.	UNKNOWN	14.14	48000	DJ
8.	UNKNOWN ALIP. HYDROCARBON	14.30	39000	DJ
9.	UNKNOWN ALIP. HYDROCARBON	14.55	43000	DJ
10.	UNKNOWN ALIP. HYDROCARBON	14.85	38000	DJ
11.	UNKNOWN ALIP. HYDROCARBON	15.35	21000	DJ
12.	UNKNOWN ALIP. HYDROCARBON	17.19	46000	DJ
13.	UNKNOWN ALIP. HYDROCARBON	17.40	28000	DJ

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596209

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK09

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 22 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS. (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	13	U J
74-83-9	Bromomethane	13	U
75-01-4	Vinyl Chloride	13	U
75-00-3	Chloroethane	13	U J
75-09-2	Methylene Chloride	13 ~~B~~	~~B~~ J U
67-64-1	Acetone	13	U
75-15-0	Carbon Disulfide	13	U
75-35-4	1,1-Dichloroethene	13	U J
75-34-3	1,1-Dichloroethane	13	U J
540-59-0	1,2-Dichloroethene (total)	13	U J
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon Tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	13	U
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-Pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	13	U
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X107

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596209

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1122BK09

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 22 Date Analyzed: 11/22/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume. _____(uL)

Number TICs found. 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596210

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1124BK04

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 30 Date Analyzed: 11/24/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS. (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl Chloride	14	U
75-00-3	Chloroethane	14	UJ
75-09-2	Methylene Chloride	14	BJU
67-64-1	Acetone	37	J
75-15-0	Carbon Disulfide	14	U
75-35-4	1,1-Dichloroethene	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	14	UJ
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	9	J
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon Tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	14	U
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X201

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596210

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1124BK04

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 30 Date Analyzed: 11/24/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596211

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1124BK05

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 37 Date Analyzed: 11/24/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U J
75-09-2	Methylene Chloride	16	U J
67-64-1	Acetone	49	J
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U J
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	13	J
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (total)	16	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X202

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596211

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1124BK05

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 37 Date Analyzed: 11/24/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596212

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1127BK06

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 37 Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U J
75-01-4	Vinyl Chloride	16	U
75-00-3	Chloroethane	16	U J
75-09-2	Methylene Chloride	16	U
67-64-1	Acetone	37	
75-15-0	Carbon Disulfide	16	U
75-35-4	1,1-Dichloroethene	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	16	U
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon Tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	16	U
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-Pentanone	16	U J
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (total)	16	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X203

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596212

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1127BK06

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 37 Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596213

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1124BK07

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 32 Date Analyzed: 11/24/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume. _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	15	U J
74-83-9	Bromomethane	15	U J
75-01-4	Vinyl Chloride	15	U J
75-00-3	Chloroethane	15	U J
75-09-2	Methylene Chloride	15	U J
67-64-1	Acetone	63	J
75-15-0	Carbon Disulfide	15	U J
75-35-4	1,1-Dichloroethene	15	U J
75-34-3	1,1-Dichloroethane	15	U J
540-59-0	1,2-Dichloroethene (total)	15	U J
67-66-3	Chloroform	15	U J
107-06-2	1,2-Dichloroethane	15	U J
78-93-3	2-Butanone	15	J
71-55-6	1,1,1-Trichloroethane	15	U J
56-23-5	Carbon Tetrachloride	15	U J
75-27-4	Bromodichloromethane	15	U J
78-87-5	1,2-Dichloropropane	15	U J
10061-01-5	cis-1,3-Dichloropropene	15	U J
79-01-6	Trichloroethene	15	U J
124-48-1	Dibromochloromethane	15	U J
79-00-5	1,1,2-Trichloroethane	15	U J
71-43-2	Benzene	15	U J
10061-02-6	trans-1,3-Dichloropropene	15	U J
75-25-2	Bromoform	15	U J
108-10-1	4-Methyl-2-Pentanone	15	U J
591-78-6	2-Hexanone	15	U J
127-18-4	Tetrachloroethene	15	U J
79-34-5	1,1,2,2-Tetrachloroethane	15	U J
108-88-3	Toluene	15	U J
108-90-7	Chlorobenzene	15	U J
100-41-4	Ethylbenzene	15	U J
100-42-5	Styrene	15	U J
1330-20-7	Xylene (total)	15	U J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X204

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596213

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1124BK07

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 32 Date Analyzed: 11/24/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596214

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1127BK08

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 35 Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U J
75-01-4	Vinyl Chloride	15	U
75-00-3	Chloroethane	15	U J
75-09-2	Methylene Chloride	15	U
67-64-1	Acetone	47	
75-15-0	Carbon Disulfide	15	U
75-35-4	1,1-Dichloroethene	15	U
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (total)	15	U
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	8	J
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon Tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	15	U
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-Pentanone	15	U J
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	15	U
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Xylene (total)	15	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X205

Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596214

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C1127BK08

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. 35 Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC.	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X101

I Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596203

Sample wt/vol 30 10 (g/mL) G Lab File ID B1204E12

Level (low/med) LOW Date Received 11/21/95

% Moisture 25 decanted (Y/N) N Date Extracted. 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 6 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)Ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-Di-n-Propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	bis(2-Chloroethoxy)Methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-Methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	440	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X101

I Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596203

Sample wt/vol 30 10 (g/mL) G Lab File ID B1204E12

Level (low/med) LOW Date Received 11/21/95

% Moisture 25 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 6 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	UR
100-02-7	4-Nitrophenol	1100	UR
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-10-6	4-Nitroaniline	1100	UR
534-52-1	4,6-Dinitro-2-methylphenol	1100	UJ
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenyl-phenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
86-74-8	Carbazole	440	U
84-74-2	Di-n-Butylphthalate	590	BU
206-44-0	Fluoranthene	150	J
129-00-0	Pyrene	92	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	440	UJ
56-55-3	Benzo(a)Anthracene	440	U
218-01-9	Chrysene	440	U
117-81-7	bis(2-Ethylhexyl)Phthalate	440	U
117-84-0	Di-n-Octyl Phthalate	440	U
205-99-2	Benzo(b)Fluoranthene	440	U
207-08-9	Benzo(k)Fluoranthene	440	UJ
50-32-8	Benzo(a)Pyrene	440	U
193-39-5	Indeno(1,2,3-cd)Pyrene	440	UJ
53-70-3	Dibenz(a,h)Anthracene	440	UJ
191-24-2	Benzo(g,h,i)Perylene	440	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

X101

I Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No · 596203

Matrix (soil/water) SOIL Lab Sample ID. D596203

Sample wt/vol 30.10 (g/mL) G Lab File ID. B1204E12

Level (low/med) LOW Date Received· 11/21/95

% Moisture 25 decanted (Y/N) N Date Extracted: 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed. 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 6.4

Number TICs found 30

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN	11 25	2700	J
2	UNKNOWN ALIP ACID	24 68	1600	J
3	UNKNOWN ALIP HYDROCARBON	27 98	520	J
4	UNKNOWN	28 28	120	J
5	UNKNOWN ALIP HYDROCARBON	28 87	370	BJ
6	UNKNOWN	29 20	200	J
7	UNKNOWN	29 73	2400	BJ
8	UNKNOWN	30 07	330	J
9	UNKNOWN ALIP HYDROCARBON	30 62	460	J
10	UNKNOWN	31 00	510	J
11	UNKNOWN ALIP HYDROCARBON	31 60	3300	J
12	UNKNOWN	31 83	89	J
13	UNKNOWN	32 07	150	J
14	UNKNOWN ALIP HYDROCARBON	32 73	440	J
15	UNKNOWN	32 90	130	J
16	UNKNOWN	33 03	150	J
17	UNKNOWN	33 32	7000	J
18	UNKNOWN ALIP HYDROCARBON	34 10	7100	J
19	UNKNOWN	34 20	12000	J
20	UNKNOWN	34 47	280	J
21	UNKNOWN	34 80	140	J
22	UNKNOWN	34 92	180	J
23	UNKNOWN	35 15	290	J
24	UNKNOWN	35 22	140	J
25	UNKNOWN	35 47	94	J
26	UNKNOWN	36 48	160	J
27	UNKNOWN	36 57	1500	J
	UNKNOWN ALIP HYDROCARBON	37 63	10000	J
29	UNKNOWN	37 85	870	J
30	UNKNOWN	38 65	1000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X102

L Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No. 596203

Matrix (soil/water) SOIL Lab Sample ID D596204

Sample wt/vol 30 10 (g/mL) G Lab File ID B1206E03

Level (low/med) LOW Date Received 11/21/95

% Moisture 20 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 6.7

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2100	U
111-44-4	bis(2-Chloroethyl)Ether	2100	U
95-57-8	2-Chlorophenol	2100	U
541-73-1	1,3-Dichlorobenzene	2100	U
106-46-7	1,4-Dichlorobenzene	2100	U
95-50-1	1,2-Dichlorobenzene	2100	U
95-48-7	2-Methylphenol	2100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2100	U J
106-44-5	4-Methylphenol	2100	U
621-64-7	N-Nitroso-Di-n-Propylamine	2100	U
67-72-1	Hexachloroethane	2100	U
98-95-3	Nitrobenzene	2100	U
78-59-1	Isophorone	2100	U
88-75-5	2-Nitrophenol	2100	U
105-67-9	2,4-Dimethylphenol	2100	U
111-91-1	bis(2-Chloroethoxy)Methane	2100	U
120-83-2	2,4-Dichlorophenol	2100	U
120-82-1	1,2,4-Trichlorobenzene	2100	U
91-20-3	Naphthalene	780	J
106-47-8	4-Chloroaniline	2100	U J
87-68-3	Hexachlorobutadiene	2100	U
59-50-7	4-Chloro-3-Methylphenol	2100	U
91-57-6	2-Methylnaphthalene	1200	J
77-47-4	Hexachlorocyclopentadiene	2100	U
88-06-2	2,4,6-Trichlorophenol	2100	U
95-95-4	2,4,5-Trichlorophenol	5000	U
91-58-7	2-Chloronaphthalene	2100	U
88-74-4	2-Nitroaniline	5000	U
131-11-3	Dimethylphthalate	2100	U
208-96-8	Acenaphthylene	2100	U
606-20-2	2,6-Dinitrotoluene	2100	U
99-09-2	3-Nitroaniline	5000	U J
83-32-9	Acenaphthene	2100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X102

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596204

Sample wt/vol 30 10 (g/mL) G Lab File ID. B1206E03

Level (low/med) LOW Date Received 11/21/95

% Moisture 20 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 6 7

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5000	U R
100-02-7	4-Nitrophenol	5000	U
132-64-9	Dibenzofuran	2100	U
121-14-2	2,4-Dinitrotoluene	2100	U
84-66-2	Diethylphthalate	2100	U
7005-72-3	4-Chlorophenyl-phenylether	2100	U
86-73-7	Fluorene	2100	U
100-10-6	4-Nitroaniline	5000	U R
534-52-1	4,6-Dinitro-2-methylphenol	5000	U J
86-30-6	N-Nitrosodiphenylamine (1)	2100	U
101-55-3	4-Bromophenyl-phenylether	2100	U
118-74-1	Hexachlorobenzene	2100	U
87-86-5	Pentachlorophenol	5000	U
85-01-8	Phenanthrene	1900	J
120-12-7	Anthracene	500	J
86-74-8	Carbazole	2100	U
84-74-2	Di-n-Butylphthalate	2100	U
206-44-0	Fluoranthene	3300	
129-00-0	Pyrene	2300	
85-68-7	Butylbenzylphthalate	2100	U
91-94-1	3,3'-Dichlorobenzidine	2100	U J
56-55-3	Benzo(a)Anthracene	3800	
218-01-9	Chrysene	2800	
117-81-7	bis(2-Ethylhexyl)Phthalate	2100	U
117-84-0	Di-n-Octyl Phthalate	2100	U J
205-99-2	Benzo(b)Fluoranthene	5900	J
207-08-9	Benzo(k)Fluoranthene	2100	U J
50-32-8	Benzo(a)Pyrene	4200	
193-39-5	Indeno(1,2,3-cd)Pyrene	2200	J
53-70-3	Dibenz(a,h)Anthracene	2100	U J
191-24-2	Benzo(g,h,i)Perylene	2100	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

X102

L Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No. 596203

Matrix (soil/water) SOIL Lab Sample ID D596204

Sample wt/vol 30.10 (g/mL) G Lab File ID B1206E03

Level (low/med) LOW Date Received 11/21/95

% Moisture 20 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 6 7

Number TICs found 21

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN ALIP HYDROCARBON	20 53	6600	J
2	UNKNOWN ALIP HYDROCARBON	21 15	18000	J
	UNKNOWN	21 67	6900	J
4	UNKNOWN ALIP HYDROCARBON	21 77	13000	J
5	UNKNOWN ALIP HYDROCARBON	21 83	23000	J
6	UNKNOWN ALIP HYDROCARBON	22 28	4700	J
7	UNKNOWN	22 38	5800	J
8	UNKNOWN	22 55	440	J
9	UNKNOWN	22 62	1500	J
10	UNKNOWN	22 72	630	J
11	UNKNOWN ALIP HYDROCARBON	22 92	6800	J
12	UNKNOWN ALIP HYDROCARBON	23 03	18000	J
13	UNKNOWN	23 17	720	J
14	UNKNOWN	23 38	2400	J
15	UNKNOWN	23 48	750	J
16	UNKNOWN	23 62	4300	J
17	UNKNOWN	23 72	1100	J
18	UNKNOWN ALIP HYDROCARBON	23 95	5000	J
19	UNKNOWN	24 02	4700	J
20	UNKNOWN	24 18	1900	J
21	UNKNOWN	24 92	3500	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X103

I Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596205

Sample wt/vol 30 00 (g/mL) G Lab File ID B1204E05

Level (low/med) LOW Date Received 11/21/95

% Moisture 22 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed. 12/04/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 8 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U J
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U J
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U J
83-32-9	Acenaphthene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X103

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596205

Sample wt/vol 30 00 (g/mL) G Lab File ID B1204E05

Level (low/med) LOW Date Received 11/21/95

% Moisture 22 decanted (Y/N) N Date Extracted. 11/28/95

Concentrated Extract Volume 500.0 (uL) Date Analyzed 12/04/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 8.4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U R
100-02-7	4-Nitrophenol	1000	U R
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-10-6	4-Nitroaniline	1000	U R
534-52-1	4,6-Dinitro-2-methylphenol	1000	U J
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-Butylphthalate	570	BU
206-44-0	Fluoranthene	420	U J
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U J
56-55-3	Benzo(a)Anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo(b)Fluoranthene	420	U
207-08-9	Benzo(k)Fluoranthene	420	U J
50-32-8	Benzo(a)Pyrene	420	U
193-39-5	Indeno(1,2,3-cd)Pyrene	420	U J
53-70-3	Dibenz(a,h)Anthracene	420	U J
191-24-2	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X103

L Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596205

Sample wt/vol 30 00 (g/mL) G Lab File ID B1204E05

Level (low/med) LOW Date Received 11/21/95

% Moisture 22 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/04/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 8 4

Number TICs found 5

CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN ALIP HYDROCARBON	28 00	340	J
2	UNKNOWN ALIP HYDROCARBON	28 88	510	BJ
3	UNKNOWN	29 75	1400	BJ
4	UNKNOWN ALIP HYDROCARBON	30 62	400	J
5	UNKNOWN ALIP HYDROCARBON	31 60	610	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X104

L Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596206

Sample wt/vol 30 10 (g/mL) G Lab File ID B1206E04

Level (low/med) LOW Date Received 11/21/95

% Moisture 23 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2100	U
111-44-4	bis(2-Chloroethyl)Ether	2100	U
95-57-8	2-Chlorophenol	2100	U
541-73-1	1,3-Dichlorobenzene	2100	U
106-46-7	1,4-Dichlorobenzene	2100	U
95-50-1	1,2-Dichlorobenzene	2100	U
95-48-7	2-Methylphenol	2100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2100	U J
106-44-5	4-Methylphenol	2100	U
621-64-7	N-Nitroso-Di-n-Propylamine	2100	U
67-72-1	Hexachloroethane	2100	U
98-95-3	Nitrobenzene	2100	U
78-59-1	Isophorone	2100	U
88-75-5	2-Nitrophenol	2100	U
105-67-9	2,4-Dimethylphenol	2100	U
111-91-1	bis(2-Chloroethoxy)Methane	2100	U
120-83-2	2,4-Dichlorophenol	2100	U
120-82-1	1,2,4-Trichlorobenzene	2100	U
91-20-3	Naphthalene	1900	J
106-47-8	4-Chloroaniline	2100	U J
87-68-3	Hexachlorobutadiene	2100	U
59-50-7	4-Chloro-3-Methylphenol	2100	U
91-57-6	2-Methylnaphthalene	4900	
77-47-4	Hexachlorocyclopentadiene	2100	U
88-06-2	2,4,6-Trichlorophenol	2100	U
95-95-4	2,4,5-Trichlorophenol	5200	U
91-58-7	2-Chloronaphthalene	2100	U
88-74-4	2-Nitroaniline	5200	U
131-11-3	Dimethylphthalate	2100	U
208-96-8	Acenaphthylene	2100	U
606-20-2	2,6-Dinitrotoluene	2100	U
99-09-2	3-Nitroaniline	5200	U J
83-32-9	Acenaphthene	2100	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

I Name ILLINOIS EPA Contract 0850200020

Lab Code. SPFLD Case No. DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596206

Sample wt/vol 30.10 (g/mL) G Lab File ID. B1206E04

Level. (low/med) LOW Date Received 11/21/95

% Moisture 23 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed· 12/06/95

Injection Volume 2.0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 7.8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5200	U R
100-02-7	4-Nitrophenol	5200	U
132-64-9	Dibenzofuran	2100	U
121-14-2	2,4-Dinitrotoluene	2100	U
84-66-2	Diethylphthalate	2100	U
7005-72-3	4-Chlorophenyl-phenylether	2100	U
86-73-7	Fluorene	2100	U
100-10-6	4-Nitroaniline	5200	U R
534-52-1	4,6-Dinitro-2-methylphenol	5200	U J
86-30-6	N-Nitrosodiphenylamine (1)	2100	U
101-55-3	4-Bromophenyl-phenylether	2100	U
118-74-1	Hexachlorobenzene	2100	U
87-86-5	Pentachlorophenol	5200	U
85-01-8	Phenanthrene	4000	
120-12-7	Anthracene	540	J
86-74-8	Carbazole	2100	U
84-74-2	Di-n-Butylphthalate	2100 ~~590~~	~~B~~ J U
206-44-0	Fluoranthene	3400	
129-00-0	Pyrene	2000	J
85-68-7	Butylbenzylphthalate	2100	U
91-94-1	3,3'-Dichlorobenzidine	2100	U J
56-55-3	Benzo(a)Anthracene	4000	
218-01-9	Chrysene	3000	
117-81-7	bis(2-Ethylhexyl)Phthalate	2100	U
117-84-0	Di-n-Octyl Phthalate	2100	U J
205-99-2	Benzo(b)Fluoranthene	4300	J
207-08-9	Benzo(k)Fluoranthene	3500	J
50-32-8	Benzo(a)Pyrene	5700	
193-39-5	Indeno(1,2,3-cd)Pyrene	2700	J
53-70-3	Dibenz(a,h)Anthracene	2100	U ~~J~~ J CBS
191-24-2	Benzo(g,h,i)Perylene	980	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

X104

L Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596206

Sample wt/vol· 30 10 (g/mL) G Lab File ID B1206E04

Level (low/med) LOW Date Received 11/21/95

% Moisture 23 decanted. (Y/N) N Date Extracted. 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 7.8

Number TICs found 17

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN ALIP HYDROCARBON	18 77	23000	J
2	UNKNOWN	20 55	4900	J
3	UNKNOWN ALIP HYDROCARBON	21 17	21000	J
4	UNKNOWN ALIP HYDROCARBON	21 68	9300	J
5	UNKNOWN ALIP HYDROCARBON	21 85	41000	J
6	UNKNOWN	21 93	1300	J
7	UNKNOWN	22 12	1600	J
8	UNKNOWN	22 30	3400	J
9	UNKNOWN ALIP ALCOHOL	22 40	7700	J
10	UNKNOWN	22 63	1300	J
11	UNKNOWN	22 73	2300	J
12	UNKNOWN	22 88	6100	J
13	UNKNOWN	22 93	2500	J
14	UNKNOWN ALIP HYDROCARBON	23 07	27000	J
15	UNKNOWN	23 65	5200	J
16	UNKNOWN ALIP HYDROCARBON	23 97	8000	J
17	UNKNOWN	24 02	2700	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

I Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596207

Sample wt/vol 30.10 (g/mL) G Lab File ID B1206E05

Level (low/med) LOW Date Received 11/21/95

% Moisture 22 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 7 9

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2100	U
111-44-4	bis(2-Chloroethyl)Ether	2100	U
95-57-8	2-Chlorophenol	2100	U
541-73-1	1,3-Dichlorobenzene	2100	U
106-46-7	1,4-Dichlorobenzene	2100	U
95-50-1	1,2-Dichlorobenzene	2100	U
95-48-7	2-Methylphenol	2100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2100	U J
106-44-5	4-Methylphenol	2100	U
621-64-7	N-Nitroso-Di-n-Propylamine	2100	U
67-72-1	Hexachloroethane	2100	U
98-95-3	Nitrobenzene	2100	U
78-59-1	Isophorone	2100	U
88-75-5	2-Nitrophenol	2100	U
105-67-9	2,4-Dimethylphenol	2100	U
111-91-1	bis(2-Chloroethoxy)Methane	2100	U
120-83-2	2,4-Dichlorophenol	2100	U
120-82-1	1,2,4-Trichlorobenzene	2100	U
91-20-3	Naphthalene	2300	
106-47-8	4-Chloroaniline	2100	U J
87-68-3	Hexachlorobutadiene	2100	U
59-50-7	4-Chloro-3-Methylphenol	2100	U
91-57-6	2-Methylnaphthalene	6000	
77-47-4	Hexachlorocyclopentadiene	2100	U
88-06-2	2,4,6-Trichlorophenol	2100	U
95-95-4	2,4,5-Trichlorophenol	5100	U
91-58-7	2-Chloronaphthalene	2100	U
88-74-4	2-Nitroaniline	5100	U
131-11-3	Dimethylphthalate	2100	U
208-96-8	Acenaphthylene	2100	U
606-20-2	2,6-Dinitrotoluene	2100	U
99-09-2	3-Nitroaniline	5100	U J
83-32-9	Acenaphthene	2100	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X105

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596207

Sample wt/vol 30 10 (g/mL) G Lab File ID B1206E05

Level (low/med) LOW Date Received 11/21/95

% Moisture 22 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 7 9

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5100	U R
100-02-7	4-Nitrophenol	5100	U
132-64-9	Dibenzofuran	2100	U
121-14-2	2,4-Dinitrotoluene	2100	U
84-66-2	Diethylphthalate	2100	U
7005-72-3	4-Chlorophenyl-phenylether	2100	U
86-73-7	Fluorene	910	J
100-10-6	4-Nitroaniline	5100	U R
534-52-1	4,6-Dinitro-2-methylphenol	5100	U J
86-30-6	N-Nitrosodiphenylamine (1)	2100	U
101-55-3	4-Bromophenyl-phenylether	2100	U
118-74-1	Hexachlorobenzene	2100	U
87-86-5	Pentachlorophenol	5100	U
85-01-8	Phenanthrene	4500	
120-12-7	Anthracene	560	J
86-74-8	Carbazole	2100	U
84-74-2	Di-n-Butylphthalate	2100	U
206-44-0	Fluoranthene	3200	
129-00-0	Pyrene	2000	J
85-68-7	Butylbenzylphthalate	2100	U
91-94-1	3,3'-Dichlorobenzidine	2100	U J
56-55-3	Benzo(a)Anthracene	4000	
218-01-9	Chrysene	3000	
117-81-7	bis(2-Ethylhexyl)Phthalate	2100	U
117-84-0	Di-n-Octyl Phthalate	2100	U J
205-99-2	Benzo(b)Fluoranthene	3100	J
207-08-9	Benzo(k)Fluoranthene	3500	J
50-32-8	Benzo(a)Pyrene	5000	
193-39-5	Indeno(1,2,3-cd)Pyrene	2500	J
53-70-3	Dibenz(a,h)Anthracene	2100	U J
191-24-2	Benzo(g,h,i)Perylene	870	J

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

X105

L Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No. 596203

Matrix (soil/water) SOIL Lab Sample ID D596207

Sample wt/vol 30.10 (g/mL) G Lab File ID B1206E05

Level (low/med) LOW Date Received 11/21/95

% Moisture 22 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 7 9

Number TICs found 17

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN ALIP HYDROCARBON	18 77	24000	J
.	UNKNOWN	20 53	4900	J
3	UNKNOWN ALIP HYDROCARBON	21 15	20000	J
4	UNKNOWN	21 67	8900	J
5	UNKNOWN ALIP HYDROCARBON	21 85	45000	J
6	UNKNOWN	21 93	1600	J
7	UNKNOWN	22 12	2300	J
8	UNKNOWN	22 30	3300	J
9	UNKNOWN	22 40	6700	J
10	UNKNOWN	22 62	800	J
11	UNKNOWN	22 72	3000	J
12	UNKNOWN	22 87	5600	J
13	UNKNOWN	22 93	1800	J
14	UNKNOWN ALIP HYDROCARBON	23 05	28000	J
15	UNKNOWN	23 65	5100	J
16	UNKNOWN ALIP HYDROCARBON	23 95	9000	J
17	UNKNOWN	24 02	3100	J

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X106

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No. 596203

Matrix (soil/water) SOIL Lab Sample ID D596208

Sample wt/vol 30 10 (g/mL) G Lab File ID: B1206E06

Level (low/med) LOW Date Received. 11/21/95

% Moisture 24 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 8 5

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	2200	U
111-44-4	bis(2-Chloroethyl)Ether	2200	U
95-57-8	2-Chlorophenol	2200	U
541-73-1	1,3-Dichlorobenzene	2200	U
106-46-7	1,4-Dichlorobenzene	2200	U
95-50-1	1,2-Dichlorobenzene	2200	U
95-48-7	2-Methylphenol	2200	U
108-60-1	2,2'-oxybis(1-Chloropropane)	2200	U J
106-44-5	4-Methylphenol	2200	U
621-64-7	N-Nitroso-Di-n-Propylamine	2200	U
67-72-1	Hexachloroethane	2200	U
98-95-3	Nitrobenzene	2200	U
78-59-1	Isophorone	2200	U
88-75-5	2-Nitrophenol	2200	U
105-67-9	2,4-Dimethylphenol	2200	U
111-91-1	bis(2-Chloroethoxy)Methane	2200	U
120-83-2	2,4-Dichlorophenol	2200	U
120-82-1	1,2,4-Trichlorobenzene	2200	U
91-20-3	Naphthalene	13000	
106-47-8	4-Chloroaniline	2200	U J
87-68-3	Hexachlorobutadiene	2200	U
59-50-7	4-Chloro-3-Methylphenol	2200	U
91-57-6	2-Methylnaphthalene	17000	
77-47-4	Hexachlorocyclopentadiene	2200	U
88-06-2	2,4,6-Trichlorophenol	2200	U
95-95-4	2,4,5-Trichlorophenol	5200	U
91-58-7	2-Chloronaphthalene	2200	U
88-74-4	2-Nitroaniline	5200	U
131-11-3	Dimethylphthalate	2200	U
208-96-8	Acenaphthylene	2200	U
606-20-2	2,6-Dinitrotoluene	2200	U
99-09-2	3-Nitroaniline	5200	U J
83-32-9	Acenaphthene	2200	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X106

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No . 596203

Matrix (soil/water) SOIL Lab Sample ID D596208

Sample wt/vol 30 10 (g/mL) G Lab File ID B1206E06

Level (low/med) LOW Date Received. 11/21/95

% Moisture 24 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 8 5

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	5200	U ~~R~~ R
100-02-7	4-Nitrophenol	5200	U ~~J~~
132-64-9	Dibenzofuran	2200	U
121-14-2	2,4-Dinitrotoluene	2200	U
84-66-2	Diethylphthalate	2200	U
7005-72-3	4-Chlorophenyl-phenylether	2200	U
86-73-7	Fluorene	1600	J
100-10-6	4-Nitroaniline	5200	U R
534-52-1	4,6-Dinitro-2-methylphenol	5200	U J
86-30-6	N-Nitrosodiphenylamine (1)	2200	U
101-55-3	4-Bromophenyl-phenylether	2200	U
118-74-1	Hexachlorobenzene	2200	U
87-86-5	Pentachlorophenol	5200	U
85-01-8	Phenanthrene	2900	
120-12-7	Anthracene	2200	U
86-74-8	Carbazole	2200	U
84-74-2	Di-n-Butylphthalate	~~2200~~ 540	~~R~~ J U
206-44-0	Fluoranthene	590	J
129-00-0	Pyrene	610	J
85-68-7	Butylbenzylphthalate	2200	U
91-94-1	3,3'-Dichlorobenzidine	2200	U J
56-55-3	Benzo(a)Anthracene	2200	U
218-01-9	Chrysene	2200	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2200	U
117-84-0	Di-n-Octyl Phthalate	2200	U J
205-99-2	Benzo(b)Fluoranthene	2200	U J
207-08-9	Benzo(k)Fluoranthene	2200	U J
50-32-8	Benzo(a)Pyrene	2200	U
193-39-5	Indeno(1,2,3-cd)Pyrene	2200	U J
53-70-3	Dibenz(a,h)Anthracene	2200	U J
191-24-2	Benzo(g,h,i)Perylene	2200	U

CB 95

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

X106

L Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No : 596203

Matrix (soil/water) SOIL Lab Sample ID D596208

Sample wt/vol 30 10 (g/mL) G Lab File ID B1206E06

Level (low/med) LOW Date Received 11/21/95

% Moisture 24 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/06/95

Injection Volume 2 0 (uL) Dilution Factor 5 0

GPC Cleanup (Y/N) Y pH 8 5

Number TICs found 29

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNK C3-SUBSTITUTED BENZENE	11 38	38000	J
2	UNK DIHYDRO METHYL INDENE	14 28	21000	J
3	UNKNOWN ALIP HYDROCARBON	14 43	16000	J
4	UNKNOWN ALIP HYDROCARBON	15 13	48000	J
5	UNKNOWN	15 65	16000	J
6	UNKNOWN	15 72	18000	J
7	UNKNOWN	15 83	12000	J
8	UNKNOWN	15 90	14000	J
9	UNKNOWN ALIP HYDROCARBON	16 05	51000	J
10	UNKNOWN	16 37	20000	J
11	UNKNOWN	16 45	12000	J
12	UNKNOWN ALIP HYDROCARBON	16 62	16000	J
13	UNK ETHYLIDENE INDENE	16 98	22000	J
14	UNKNOWN ALIP HYDROCARBON	17 23	23000	J
15	UNKNOWN ALIP HYDROCARBON	17 32	5700	J
16	UNKNOWN ALIP HYDROCARBON	17 38	9900	J
17	UNKNOWN ALIP HYDROCARBON	17 50	9200	J
18	UNKNOWN ALIP HYDROCARBON	17 58	29000	J
19	UNKNOWN ALIP HYDROCARBON	17 95	26000	J
20	UNKNOWN	18 03	9200	J
21	UNKNOWN	18 12	4300	J
22	UNK ETHYL NAPHTHALENE	18 55	16000	J
23	UNK DIMETHYL NAPHTHALENE	18 60	7300	J
24	UNKNOWN ALIP HYDROCARBON	18 70	22000	J
25	UNKNOWN ALIP HYDROCARBON	18 77	36000	J
26	UNKNOWN	19 97	14000	J
27	UNKNOWN ALIP HYDROCARBON	21 15	28000	J
28	UNKNOWN ALIP HYDROCARBON	21 83	34000	J
29	UNKNOWN ALIP HYDROCARBON	23 03	25000	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X107

b Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No. DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596209

Sample wt/vol 30 00 (g/mL) G Lab File ID· B1204E10

Level (low/med) LOW Date Received 11/21/95

% Moisture 22 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 8 2

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)Ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U J
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-Di-n-Propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
111-91-1	bis(2-Chloroethoxy)Methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U J
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-Methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
99-09-2	3-Nitroaniline	1000	U J
83-32-9	Acenaphthene	420	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X107

) Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID. D596209

Sample wt/vol 30 00 (g/mL) G Lab File ID B1204E10

Level (low/med) LOW Date Received 11/21/95

% Moisture 22 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 8 2

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1000	U R
100-02-7	4-Nitrophenol	1000	U R
132-64-9	Dibenzofuran	420	U
121-14-2	2,4-Dinitrotoluene	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-10-6	4-Nitroaniline	1000	U R
534-52-1	4,6-Dinitro-2-methylphenol	1000	U J
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenyl-phenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	130	J
120-12-7	Anthracene	420	U
86-74-8	Carbazole	420	U
84-74-2	Di-n-Butylphthalate	510	~~B~~ U
206-44-0	Fluoranthene	230	J
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U J
56-55-3	Benzo(a)Anthracene	220	J
218-01-9	Chrysene	170	J
117-81-7	bis(2-Ethylhexyl)Phthalate	420	U
117-84-0	Di-n-Octyl Phthalate	420	U
205-99-2	Benzo(b)Fluoranthene	420	U
207-08-9	Benzo(k)Fluoranthene	330	J
50-32-8	Benzo(a)Pyrene	190	J
193-39-5	Indeno(1,2,3-cd)Pyrene	420	U J
53-70-3	Dibenz(a,h)Anthracene	420	U J
191-24-2	Benzo(g,h,i)Perylene	420	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

X107

ɔ Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596209

Sample wt/vol 30 00 (g/mL) G Lab File ID B1204E10

Level (low/med) LOW Date Received 11/21/95

% Moisture 22 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 8 2

Number TICs found 26

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN	9 75	2400	J
2	UNKNOWN	10 23	3200	J
3	UNKNOWN ALIP HYDROCARBON	20 57	140	J
4	UNKNOWN ALIP HYDROCARBON	21 78	290	J
5	UNKNOWN ALIP HYDROCARBON	21 87	330	J
6	UNKNOWN ALIP HYDROCARBON	22 95	220	J
7	UNKNOWN ALIP HYDROCARBON	23 07	300	J
8	UNKNOWN ALIP HYDROCARBON	24 05	220	J
9	UNKNOWN	24 73	91	J
10	UNKNOWN ALIP HYDROCARBON	25 10	190	J
11	UNKNOWN	25 93	110	J
12	UNKNOWN ALIP HYDROCARBON	26 10	210	J
13	UNKNOWN	27 08	210	J
14	UNKNOWN	27 43	140	J
15	UNKNOWN	28 02	350	J
16	UNKNOWN ALIP HYDROCARBON	28 90	400	BJ
17	UNKNOWN	29 77	1400	BJ
18	UNKNOWN	30 63	340	J
19	UNKNOWN ALIP HYDROCARBON	31 62	1300	J
20	UNKNOWN	32 75	290	J
21	UNKNOWN	33 33	490	J
22	UNKNOWN ALIP HYDROCARBON	34 10	2900	J
23	UNKNOWN	34 20	860	J
24	UNKNOWN	36 58	280	J
25	UNKNOWN ALIP HYDROCARBON	37 63	1900	J
26	UNKNOWN	37 85	230	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

ɔ Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No. 596203

Matrix (soil/water) SOIL Lab Sample ID D596210

Sample wt/vol 30.10 (g/mL) G Lab File ID B1204E11

Level (low/med) LOW Date Received 11/21/95

% Moisture 30 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7.3

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)Ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	2,2'-oxybis(1-Chloropropane)	470	U J
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-Di-n-Propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
111-91-1	bis(2-Chloroethoxy)Methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U J
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-Methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	1100	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U
99-09-2	3-Nitroaniline	1100	U J
83-32-9	Acenaphthene	470	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

ɔ Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596210

Sample wt/vol 30 10 (g/mL) G Lab File ID B1204E11

Level (low/med) LOW Date Received 11/21/95

% Moisture 30 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed. 12/05/95

Injection Volume 2 0 (uL) Dilution Factor· 1 0

GPC Cleanup (Y/N) Y pH 7 3

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1100	UR
100-02-7	4-Nitrophenol	1100	UR
132-64-9	Dibenzofuran	470	U
121-14-2	2,4-Dinitrotoluene	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	470	U
100-10-6	4-Nitroaniline	1100	UR
534-52-1	4,6-Dinitro-2-methylphenol	1100	UJ
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenyl-phenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	150	J
120-12-7	Anthracene	470	U
86-74-8	Carbazole	470	U
84-74-2	Di-n-Butylphthalate	780	BU
206-44-0	Fluoranthene	160	J
129-00-0	Pyrene	100	J
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	470	UJ
56-55-3	Benzo(a)Anthracene	470	U
218-01-9	Chrysene	470	U
117-81-7	bis(2-Ethylhexyl)Phthalate	470	U
117-84-0	Di-n-Octyl Phthalate	470	U
205-99-2	Benzo(b)Fluoranthene	470	U
207-08-9	Benzo(k)Fluoranthene	470	UJ
50-32-8	Benzo(a)Pyrene	470	U
193-39-5	Indeno(1,2,3-cd)Pyrene	470	UJ
53-70-3	Dibenz(a,h)Anthracene	470	UJ
191-24-2	Benzo(g,h,i)Perylene	470	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X201

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No . 596203

Matrix (soil/water) SOIL Lab Sample ID D596210

Sample wt/vol 30 10 (g/mL) G Lab File ID B1204E11

Level (low/med) LOW Date Received. 11/21/95

% Moisture 30 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500.0 (uL) Date Analyzed 12/05/95

Injection Volume 2.0 (uL) Dilution Factor. 1 0

GPC Cleanup (Y/N) Y pH 7 3

Number TICs found 29

CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN	9 75	2600	J
2	UNKNOWN	10 23	3600	J
3 5343-96-4	2BUTANOL, 3METHYL, ACETATE	11 60	1600	JN
4	UNKNOWN	23 88	310	J
5	UNKNOWN	24 72	670	J
6	UNKNOWN ALIP HYDROCARBON	25 10	130	J
7	UNKNOWN	25 55	180	J
8	UNKNOWN	25 92	490	J
9	UNKNOWN	26 00	260	J
10	UNKNOWN ALIP HYDROCARBON	26 10	160	J
11	UNKNOWN	26 65	230	J
12	UNKNOWN	26 78	210	J
13	UNKNOWN ALIP HYDROCARBON	27 07	200	J
14	UNKNOWN ALIP HYDROCARBON	28 00	440	J
15	UNKNOWN ALIP HYDROCARBON	28 90	480	BJ
16	UNKNOWN	29 77	1900	BJ
17	UNKNOWN	30 10	160	J
18	UNKNOWN	30 63	440	J
19	UNKNOWN	31 02	110	J
20	UNKNOWN ALIP HYDROCARBON	31 62	1900	J
21	UNKNOWN ALIP HYDROCARBON	32 75	470	J
22	UNKNOWN	33 33	2200	J
23	UNKNOWN ALIP HYDROCARBON	34 10	4800	J
24	UNKNOWN	34 20	3600	J
25	UNKNOWN	36 58	590	J
26	UNKNOWN ALIP HYDROCARBON	37 63	4000	J
27	UNKNOWN	37 85	670	J
28	UNKNOWN	38 22	190	J
29	UNKNOWN	43 20	910	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X202

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596211

Sample wt/vol 30.10 (g/mL) G Lab File ID B1204E08

Level (low/med) LOW Date Received 11/21/95

% Moisture 37 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500.0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 2

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl)Ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U J
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-Di-n-Propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	bis(2-Chloroethoxy)Methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	520	U
106-47-8	4-Chloroaniline	520	U J
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-Methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	1300	U J
83-32-9	Acenaphthene	520	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X202

) Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596211

Sample wt/vol 30 10 (g/mL) G Lab File ID B1204E08

Level (low/med) LOW Date Received 11/21/95

% Moisture 37 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 2

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300	UR
100-02-7	4-Nitrophenol	1300	UR
132-64-9	Dibenzofuran	520	U
121-14-2	2,4-Dinitrotoluene	520	U
84-66-2	Diethylphthalate	520	U
7005-72-3	4-Chlorophenyl-phenylether	520	U
86-73-7	Fluorene	520	U
100-10-6	4-Nitroaniline	1300	UR
534-52-1	4,6-Dinitro-2-methylphenol	1300	UJ
86-30-6	N-Nitrosodiphenylamine (1)	520	U
101-55-3	4-Bromophenyl-phenylether	520	U
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	520	U
120-12-7	Anthracene	520	U
86-74-8	Carbazole	520	U
84-74-2	Di-n-Butylphthalate	640	BU
206-44-0	Fluoranthene	520	UJ
129-00-0	Pyrene	520	U
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	520	UJ
56-55-3	Benzo(a)Anthracene	520	U
218-01-9	Chrysene	520	U
117-81-7	bis(2-Ethylhexyl)Phthalate	520	U
117-84-0	Di-n-Octyl Phthalate	520	U
205-99-2	Benzo(b)Fluoranthene	520	U
207-08-9	Benzo(k)Fluoranthene	520	UJ
50-32-8	Benzo(a)Pyrene	520	U
193-39-5	Indeno(1,2,3-cd)Pyrene	520	UJ
53-70-3	Dibenz(a,h)Anthracene	520	UJ
191-24-2	Benzo(g,h,i)Perylene	520	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

X202

b Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596211

Sample wt/vol 30.10 (g/mL) G Lab File ID· B1204E08

Level (low/med) LOW Date Received 11/21/95

% Moisture 37 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 2

Number TICs found 27

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN	9 75	3000	J
2	UNKNOWN	10 25	3900	J
3	UNKNOWN	11 20	580	J
4 5343-96-4	2BUTANOL, 3METHYL, ACETATE	11 62	1900	JN
5	UNKNOWN	23 92	510	J
6	UNKNOWN ALIP ACID	24 73	660	J
7	UNKNOWN	25 93	1600	J
8	UNKNOWN ALIP HYDROCARBON	28 02	610	J
9	UNKNOWN ALIP HYDROCARBON	28 90	630	BJ
10	UNKNOWN	29 23	200	J
11	UNKNOWN	29 77	2700	BJ
12	UNKNOWN	30 12	170	J
13	UNKNOWN ALIP HYDROCARBON	30 65	590	J
14	UNKNOWN	31 03	370	J
15	UNKNOWN ALIP HYDROCARBON	31 63	3100	J
16	UNKNOWN	31 78	210	J
17	UNKNOWN	32 07	350	J
18	UNKNOWN	32 77	640	J
19	UNKNOWN	33 35	3900	J
20	UNKNOWN	34 22	5000	J
21	UNKNOWN	36 58	1100	J
22	UNKNOWN ALIP HYDROCARBON	37 65	5800	J
23	UNKNOWN	37 87	1000	J
24	UNKNOWN	38 72	530	J
25	UNKNOWN	39 92	950	J
26	UNKNOWN	41 37	690	J
27	UNKNOWN	45 33	1600	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X203

, Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596212

Sample wt/vol. 30 00 (g/mL) G Lab File ID B1204E09

Level (low/med) LOW Date Received 11/21/95

% Moisture 37 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume. 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl)Ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-oxybis(1-Chloropropane)	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-Di-n-Propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	bis(2-Chloroethoxy)Methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	520	U
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-Methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	1300	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethylphthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U
99-09-2	3-Nitroaniline	1300	U
83-32-9	Acenaphthene	520	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

b Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID· D596212

Sample wt/vol 30 00 (g/mL) G Lab File ID B1204E09

Level (low/med) LOW Date Received 11/21/95

% Moisture 37 decanted (Y/N) N Date Extracted· 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0(uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1300	U
100-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	520	U
121-14-2	2,4-Dinitrotoluene	520	U
84-66-2	Diethylphthalate	520	U
7005-72-3	4-Chlorophenyl-phenylether	520	U
86-73-7	Fluorene	520	U
100-10-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-Nitrosodiphenylamine (1)	520	U
101-55-3	4-Bromophenyl-phenylether	520	U
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	520	U
120-12-7	Anthracene	520	U
86-74-8	Carbazole	520	U
84-74-2	Di-n-Butylphthalate	620	BU
206-44-0	Fluoranthene	520	U
129-00-0	Pyrene	520	U
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	520	U
56-55-3	Benzo(a)Anthracene	520	U
218-01-9	Chrysene	520	U
117-81-7	bis(2-Ethylhexyl)Phthalate	520	U
117-84-0	Di-n-Octyl Phthalate	520	U
205-99-2	Benzo(b)Fluoranthene	520	U
207-08-9	Benzo(k)Fluoranthene	520	U
50-32-8	Benzo(a)Pyrene	520	U
193-39-5	Indeno(1,2,3-cd)Pyrene	520	U
53-70-3	Dibenz(a,h)Anthracene	520	U
191-24-2	Benzo(g,h,i)Perylene	520	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

X203

Lab Name ILLINOIS EPA Contract: 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596212

Sample wt/vol 30 00 (g/mL) G Lab File ID B1204E09

Level (low/med) LOW Date Received 11/21/95

% Moisture 37 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/05/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 4

Number TICs found 30

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN	9 72	3200	J
2	UNKNOWN	10 20	3900	J
3 5343-96-4	2BUTANOL, 3METHYL, ACETATE	11 57	2800	JN
4	UNKNOWN	23 87	730	J
5	UNKNOWN ALIP ACID	24 67	960	J
6	UNKNOWN	25 90	2300	J
7	UNKNOWN ALIP HYDROCARBON	27 97	590	J
8	UNKNOWN ALIP HYDROCARBON	28 87	600	BJ
9	UNKNOWN	29 65	300	J
10	UNKNOWN	29 72	2400	BJ
11	UNKNOWN	30 00	400	J
12	UNKNOWN ALIP HYDROCARBON	30 60	680	J
13	UNKNOWN	30 98	260	J
14	UNKNOWN ALIP HYDROCARBON	31 58	2600	J
15	UNKNOWN	31 73	190	J
16	UNKNOWN	32 02	450	J
17	UNKNOWN ALIP HYDROCARBON	32 72	690	J
18	UNKNOWN	33 18	450	J
19	UNKNOWN	33 30	3900	J
20	UNKNOWN ALIP HYDROCARBON	34 07	6200	J
21	UNKNOWN	34 17	4500	J
22	UNKNOWN	36 53	1400	J
23	UNKNOWN ALIP HYDROCARBON	37 60	5900	J
24	UNKNOWN	37 82	1000	J
25	UNKNOWN	38 67	770	J
26	UNKNOWN	39 60	630	J
27	UNKNOWN	39 87	1100	J
28	UNKNOWN	42 83	960	J
29	UNKNOWN	43 15	830	J
30	UNKNOWN	43 95	900	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X204

ɔ Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596213

Sample wt/vol 30 00 (g/mL) G Lab File ID B1204E06

Level (low/med) LOW Date Received 11/21/95

% Moisture 32 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/04/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 5

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	490	U
111-44-4	bis(2-Chloroethyl)Ether	490	U
95-57-8	2-Chlorophenol	490	U
541-73-1	1,3-Dichlorobenzene	490	U
106-46-7	1,4-Dichlorobenzene	490	U
95-50-1	1,2-Dichlorobenzene	490	U
95-48-7	2-Methylphenol	490	U
108-60-1	2,2'-oxybis(1-Chloropropane)	490	U J
106-44-5	4-Methylphenol	490	U
621-64-7	N-Nitroso-Di-n-Propylamine	490	U
67-72-1	Hexachloroethane	490	U
98-95-3	Nitrobenzene	490	U
78-59-1	Isophorone	490	U
88-75-5	2-Nitrophenol	490	U
105-67-9	2,4-Dimethylphenol	490	U
111-91-1	bis(2-Chloroethoxy)Methane	490	U
120-83-2	2,4-Dichlorophenol	490	U
120-82-1	1,2,4-Trichlorobenzene	490	U
91-20-3	Naphthalene	490	U
106-47-8	4-Chloroaniline	490	U J
87-68-3	Hexachlorobutadiene	490	U
59-50-7	4-Chloro-3-Methylphenol	490	U
91-57-6	2-Methylnaphthalene	490	U
77-47-4	Hexachlorocyclopentadiene	490	U
88-06-2	2,4,6-Trichlorophenol	490	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	490	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	490	U
208-96-8	Acenaphthylene	490	U
606-20-2	2,6-Dinitrotoluene	490	U
99-09-2	3-Nitroaniline	1200	U J
83-32-9	Acenaphthene	490	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X204

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No · 596203

Matrix (soil/water) SOIL Lab Sample ID D596213

Sample wt/vol 30 00 (g/mL) G Lab File ID B1204E06

Level (low/med) LOW Date Received 11/21/95

% Moisture 32 decanted· (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/04/95

Injection Volume 2.0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 5

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	U ~~J~~ R
100-02-7	4-Nitrophenol	1200	U R
132-64-9	Dibenzofuran	490	U
121-14-2	2,4-Dinitrotoluene	490	U
84-66-2	Diethylphthalate	490	U
7005-72-3	4-Chlorophenyl-phenylether	490	U
86-73-7	Fluorene	490	U
100-10-6	4-Nitroaniline	1200	U R
534-52-1	4,6-Dinitro-2-methylphenol	1200	U J
86-30-6	N-Nitrosodiphenylamine (1)	490	U
101-55-3	4-Bromophenyl-phenylether	490	U
118-74-1	Hexachlorobenzene	490	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	490	U
120-12-7	Anthracene	490	U
86-74-8	Carbazole	490	U
84-74-2	Di-n-Butylphthalate	560	~~B~~ U
206-44-0	Fluoranthene	490	U J
129-00-0	Pyrene	490	U
85-68-7	Butylbenzylphthalate	490	U
91-94-1	3,3'-Dichlorobenzidine	490	U J
56-55-3	Benzo(a)Anthracene	490	U
218-01-9	Chrysene	490	U
117-81-7	bis(2-Ethylhexyl)Phthalate	490	U
117-84-0	Di-n-Octyl Phthalate	490	U
205-99-2	Benzo(b)Fluoranthene	490	U
207-08-9	Benzo(k)Fluoranthene	490	U J
50-32-8	Benzo(a)Pyrene	490	U
193-39-5	Indeno(1,2,3-cd)Pyrene	490	U J
53-70-3	Dibenz(a,h)Anthracene	490	U J
191-24-2	Benzo(g,h,i)Perylene	490	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

X204

Lab Name ILLINOIS EPA Contract. 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596213

Sample wt/vol 30 00 (g/mL) G Lab File ID B1204E06

Level (low/med) LOW Date Received 11/21/95

% Moisture 32 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/04/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 5

Number TICs found 23

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN	9 73	3100	J
2	UNKNOWN	10 23	3700	J
3	UNKNOWN	11 18	640	J
4	UNKNOWN	11 60	2300	J
5	UNKNOWN	14 47	380	J
6	UNKNOWN	23 88	170	J
7	UNKNOWN ALIP ACID	24 70	490	J
8	UNKNOWN	25 92	200	J
9	UNKNOWN ALIP HYDROCARBON	27 98	500	J
10	UNKNOWN ALIP HYDROCARBON	28 88	360	BJ
11	UNKNOWN	29 75	2000	BJ
12	UNKNOWN ALIP HYDROCARBON	30 62	350	J
13	UNKNOWN ALIP HYDROCARBON	31 60	2000	J
14	UNKNOWN ALIP HYDROCARBON	32 73	450	J
15	UNKNOWN	33 32	2200	J
16	UNKNOWN ALIP HYDROCARBON	34 08	4200	J
17	UNKNOWN	34 20	3900	J
18	UNKNOWN	36 57	880	J
19	UNKNOWN	37 33	280	J
20	UNKNOWN ALIP HYDROCARBON	37 62	2900	J
21	UNKNOWN	37 85	790	J
22	UNKNOWN	43 20	1700	J
23	UNKNOWN	44 00	1300	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X205

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596214

Sample wt/vol· 30 10 (g/mL) G Lab File ID B1204E07

Level (low/med) LOW Date Received. 11/21/95

% Moisture 35 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/04/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 1

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	510	U
111-44-4	bis(2-Chloroethyl)Ether	510	U
95-57-8	2-Chlorophenol	510	U
541-73-1	1,3-Dichlorobenzene	510	U
106-46-7	1,4-Dichlorobenzene	510	U
95-50-1	1,2-Dichlorobenzene	510	U
95-48-7	2-Methylphenol	510	U
108-60-1	2,2'-oxybis(1-Chloropropane)	510	U J
106-44-5	4-Methylphenol	510	U
621-64-7	N-Nitroso-Di-n-Propylamine	510	U
67-72-1	Hexachloroethane	510	U
98-95-3	Nitrobenzene	510	U
78-59-1	Isophorone	510	U
88-75-5	2-Nitrophenol	510	U
105-67-9	2,4-Dimethylphenol	510	U
111-91-1	bis(2-Chloroethoxy)Methane	510	U
120-83-2	2,4-Dichlorophenol	510	U
120-82-1	1,2,4-Trichlorobenzene	510	U
91-20-3	Naphthalene	510	U
106-47-8	4-Chloroaniline	510	U J
87-68-3	Hexachlorobutadiene	510	U
59-50-7	4-Chloro-3-Methylphenol	510	U
91-57-6	2-Methylnaphthalene	510	U
77-47-4	Hexachlorocyclopentadiene	510	U
88-06-2	2,4,6-Trichlorophenol	510	U
95-95-4	2,4,5-Trichlorophenol	1200	U
91-58-7	2-Chloronaphthalene	510	U
88-74-4	2-Nitroaniline	1200	U
131-11-3	Dimethylphthalate	510	U
208-96-8	Acenaphthylene	510	U
606-20-2	2,6-Dinitrotoluene	510	U
99-09-2	3-Nitroaniline	1200	U J
83-32-9	Acenaphthene	510	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

X205

ɔ Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596214

Sample wt/vol 30 10 (g/mL) G Lab File ID B1204E07

Level (low/med) LOW Date Received 11/21/95

% Moisture 35 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/04/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7 1

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
51-28-5	2,4-Dinitrophenol	1200	UR
100-02-7	4-Nitrophenol	1200	UR
132-64-9	Dibenzofuran	510	U
121-14-2	2,4-Dinitrotoluene	510	U
84-66-2	Diethylphthalate	510	U
7005-72-3	4-Chlorophenyl-phenylether	510	U
86-73-7	Fluorene	510	U
100-10-6	4-Nitroaniline	1200	UR
534-52-1	4,6-Dinitro-2-methylphenol	1200	UJ
86-30-6	N-Nitrosodiphenylamine (1)	510	U
101-55-3	4-Bromophenyl-phenylether	510	U
118-74-1	Hexachlorobenzene	510	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	510	U
120-12-7	Anthracene	510	U
86-74-8	Carbazole	510	U
84-74-2	Di-n-Butylphthalate	740	~~B~~U
206-44-0	Fluoranthene	510	UJ
129-00-0	Pyrene	510	U
85-68-7	Butylbenzylphthalate	510	U
91-94-1	3,3'-Dichlorobenzidine	510	UJ
56-55-3	Benzo(a)Anthracene	510	U
218-01-9	Chrysene	510	U
117-81-7	bis(2-Ethylhexyl)Phthalate	510	U
117-84-0	Di-n-Octyl Phthalate	510	U
205-99-2	Benzo(b)Fluoranthene	510	U
207-08-9	Benzo(k)Fluoranthene	510	UJ
50-32-8	Benzo(a)Pyrene	510	U
193-39-5	Indeno(1,2,3-cd)Pyrene	510	UJ
53-70-3	Dibenz(a,h)Anthracene	510	UJ
191-24-2	Benzo(g,h,i)Perylene	510	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

X205

, Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE1 SAS No _____ SDG No 596203

Matrix (soil/water) SOIL Lab Sample ID D596214

Sample wt/vol 30 10 (g/mL) G Lab File ID B1204E07

Level (low/med) LOW Date Received 11/21/95

% Moisture 35 decanted (Y/N) N Date Extracted 11/28/95

Concentrated Extract Volume 500 0 (uL) Date Analyzed 12/04/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) Y pH 7.1

Number TICs found 29

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN	9 73	3700	J
2	UNKNOWN	10 23	4700	J
3	UNKNOWN	11 17	810	J
4 5343-96-4	2BUTANOL, 3METHYL, ACETATE	11 60	3500	JN
5	UNKNOWN	14 47	430	J
6	UNKNOWN	23 88	420	J
7	UNKNOWN ALIP ACID	24 70	830	J
8	UNKNOWN	25 90	830	J
9	UNKNOWN ALIP HYDROCARBON	26 10	200	J
10	UNKNOWN ALIP HYDROCARBON	27 07	310	J
11	UNKNOWN ALIP HYDROCARBON	27 98	670	J
12	UNKNOWN ALIP HYDROCARBON	28 88	540	BJ
13	UNKNOWN	29 20	150	J
14	UNKNOWN	29 73	2600	BJ
15	UNKNOWN	30 07	230	J
16	UNKNOWN ALIP HYDROCARBON	30 62	580	J
17	UNKNOWN	31 00	160	J
18	UNKNOWN ALIP HYDROCARBON	31 60	3200	J
19	UNKNOWN ALIP HYDROCARBON	32 73	640	J
20	UNKNOWN	33 20	640	J
21	UNKNOWN	33 32	2600	J
22	UNKNOWN	34 18	5500	J
23	UNKNOWN	36 55	1100	J
24	UNKNOWN ALIP HYDROCARBON	37 62	5200	J
25	UNKNOWN	37 82	1100	J
26	UNKNOWN	39 62	620	J
27	UNKNOWN	43 18	1400	J
28	UNKNOWN	44 00	1300	J
29	UNKNOWN	45 30	1400	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596203

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 25 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/95

Injection Volume: 1 00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.3	U
319-85-7	beta-BHC	0.74	JP
319-86-8	delta-BHC	2.3	U
58-89-9	gamma-BHC (Lindane)	2.3	U
76-44-8	Heptachlor	2.3	U
309-00-2	Aldrin	2.3	U
1024-57-3	Heptachlor epoxide	2.3	U
959-98-8	Endosulfan I	2.3	U
60-57-1	Dieldrin	1.6	JP
72-55-9	4,4'-DDE	0.97	JP
72-20-8	Endrin	3.8	J
33213-65-9	Endosulfan II	0.63	JP
50-29-3	4,4'-DDD	1.3	JP
1031-07-8	Endosulfan sulfate	4.4	U
50-29-3	4,4'-DDT	0.63	JP
72-43-5	Methoxychlor	1.8	JP
53494-70-5	Endrin ketone	4.4	U
7421-36-3	Endrin aldehyde	4.4	U
5103-71-9	alpha-Chlordane	1.2	JP
5103-74-2	gamma-Chlordane	0.53	JP
8001-35-2	Toxaphene	230	U
12674-11-2	Aroclor-1016	44	U
11104-28-2	Aroclor-1221	89	U
11141-16-5	Aroclor-1232	44	U
53469-21-9	Aroclor-1242	44	U
12672-29-6	Aroclor-1248	44	U
11097-69-1	Aroclor-1254	33	J
11096-82-5	Aroclor-1260	19	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596204

Sample wt/vol: 30.5 (g/mL) G Lab File ID: _____

% Moisture: 20 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/11/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.7 Sulfur Cleanup. (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	3.1	P
319-85-7	beta-BHC	2.1	U
319-86-8	delta-BHC	2.1	U
58-89-9	gamma-BHC (Lindane)	2.1	U
76-44-8	Heptachlor	2.3	P
309-00-2	Aldrin	2.1	U
1024-57-3	Heptachlor epoxide	4 8	P
959-98-8	Endosulfan I	2.7	
60-57-1	Dieldrin	6.2	P
72-55-9	4,4'-DDE	4.1	U
72-20-8	Endrin	4.1	U
33213-65-9	Endosulfan II	4.1	U
50-29-3	4,4'-DDD	2.5	JP
1031-07-8	Endosulfan sulfate	23	P
50-29-3	4,4'-DDT	4.1	U
72-43-5	Methoxychlor	21	U
53494-70-5	Endrin ketone	4.1	U
7421-36-3	Endrin aldehyde	4.1	U
5103-71-9	alpha-Chlordane	2.0	JP
5103-74-2	gamma-Chlordane	1.3	JP
8001-35-2	Toxaphene	210	U
12674-11-2	Aroclor-1016	41	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	41	U
53469-21-9	Aroclor-1242	41	U
12672-29-6	Aroclor-1248	41	U
11097-69-1	Aroclor-1254	41	U
11096-82-5	Aroclor-1260	160	

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596205

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	1.7	JP
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	0.50	JP
33213-65-9	Endosulfan II	4.2	U
50-29-3	4,4'-DDD	0.16	JP
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-36-3	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	13	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596206

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

% Moisture: 23 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/12/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	6.5	P
319-85-7	beta-BHC	3.2	
319-86-8	delta-BHC	2 2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	6.6	P
309-00-2	Aldrin	8 7	
1024-57-3	Heptachlor epoxide	6.9	P
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	9.8	P
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
50-29-3	4,4'-DDD	10	P
1031-07-8	Endosulfan sulfate	18	P
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	18	P
7421-36-3	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.3	P
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	86	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	42	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596207

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/12/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup. (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	3.7	P
319-86-8	delta-BHC	2.0	JP
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	8.2	P
309-00-2	Aldrin	7.9	P
1024-57-3	Heptachlor epoxide	9.0	P
959-98-8	Endosulfan I	2 2	U
60-57-1	Dieldrin	11	P
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
50-29-3	4,4'-DDD	12	P
1031-07-8	Endosulfan sulfate	22	P
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-36-3	Endrin aldehyde	4 2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	1.2	JP
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	280	P

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596208

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 24 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8 5 Sulfur Cleanup. (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	0.77	JP
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	0.88	JP
309-00-2	Aldrin	1.6	JP
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	0.41	JP
72-55-9	4,4'-DDE	4.3	U
72-20-8	Endrin	4.3	U
33213-65-9	Endosulfan II	4.3	U
50-29-3	4,4'-DDD	0.59	JP
1031-07-8	Endosulfan sulfate	1.7	JP
50-29-3	4,4'-DDT	4.3	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.3	U
7421-36-3	Endrin aldehyde	4.3	U
5103-71-9	alpha-Chlordane	0.45	JP
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	88	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	43	U
11097-69-1	Aroclor-1254	43	U
11096-82-5	Aroclor-1260	19	JP

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.. 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596209

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 22 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	0.22	JP
309-00-2	Aldrin	0.61	J
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	0.89	JP
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
50-29-3	4,4'-DDD	1.3	JP
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	U
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-36-3	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	0.29	JP
5103-74-2	gamma-Chlordane	0.55	JP
8001-35-2	Toxaphene	68	JP
12674-11-2	Aroclor-1016	42	U
11104-28-2	Aroclor-1221	85	U
11141-16-5	Aroclor-1232	42	U
53469-21-9	Aroclor-1242	42	U
12672-29-6	Aroclor-1248	42	U
11097-69-1	Aroclor-1254	42	U
11096-82-5	Aroclor-1260	39	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596210

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 30 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7 3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2 4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	0.38	JP
72-55-9	4,4'-DDE	4.7	U
72-20-8	Endrin	0.80	JP
33213-65-9	Endosulfan II	0.76	JP
50-29-3	4,4'-DDD	0.47	JP
1031-07-8	Endosulfan sulfate	4.7	U
50-29-3	4,4'-DDT	4.7	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.7	U
7421-36-3	Endrin aldehyde	4.7	U
5103-71-9	alpha-Chlordane	0.23	JP
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U
12674-11-2	Aroclor-1016	47	U
11104-28-2	Aroclor-1221	94	U
11141-16-5	Aroclor-1232	47	U
53469-21-9	Aroclor-1242	47	U
12672-29-6	Aroclor-1248	47	U
11097-69-1	Aroclor-1254	47	U
11096-82-5	Aroclor-1260	8.6	JP

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596211

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 37 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	2.7	U
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	0.22	JP
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	0.74	JP
72-55-9	4,4'-DDE	0.28	JP
72-20-8	Endrin	1.9	JP
33213-65-9	Endosulfan II	0.83	J
50-29-3	4,4'-DDD	0.88	JP
1031-07-8	Endosulfan sulfate	5.2	U
50-29-3	4,4'-DDT	5.2	U
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	5.2	U
7421-36-3	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	0.92	J
5103-74-2	gamma-Chlordane	2.7	U
8001-35-2	Toxaphene	270	U
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	52	U
11096-82-5	Aroclor-1260	21	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596212

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 37 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.7	U
319-85-7	beta-BHC	2.7	U
319-86-8	delta-BHC	2.7	U
58-89-9	gamma-BHC (Lindane)	0.56	J
76-44-8	Heptachlor	2.7	U
309-00-2	Aldrin	0.18	JP
1024-57-3	Heptachlor epoxide	2.7	U
959-98-8	Endosulfan I	2.7	U
60-57-1	Dieldrin	0.70	JP
72-55-9	4,4'-DDE	0.39	JP
72-20-8	Endrin	2.6	J
33213-65-9	Endosulfan II	1.5	J
50-29-3	4,4'-DDD	1.6	JP
1031-07-8	Endosulfan sulfate	5.2	U
50-29-3	4,4'-DDT	5.2	U
72-43-5	Methoxychlor	27	U
53494-70-5	Endrin ketone	5.2	U
7421-36-3	Endrin aldehyde	5.2	U
5103-71-9	alpha-Chlordane	0.99	JP
5103-74-2	gamma-Chlordane	2.7	U
8001-35-2	Toxaphene	270	U
12674-11-2	Aroclor-1016	52	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	52	U
53469-21-9	Aroclor-1242	52	U
12672-29-6	Aroclor-1248	52	U
11097-69-1	Aroclor-1254	22	J
11096-82-5	Aroclor-1260	26	J

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596213

Sample wt/vol: 30.1 (g/mL) G Lab File ID: _____

% Moisture: 32 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.5 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.5	U
319-85-7	beta-BHC	2.5	U
319-86-8	delta-BHC	2.5	U
58-89-9	gamma-BHC (Lindane)	0.59	JP
76-44-8	Heptachlor	2.5	U
309-00-2	Aldrin	2.5	U
1024-57-3	Heptachlor epoxide	2.5	U
959-98-8	Endosulfan I	2.5	U
60-57-1	Dieldrin	0.47	JP
72-55-9	4,4'-DDE	4.8	U
72-20-8	Endrin	1.1	JP
33213-65-9	Endosulfan II	4.8	U
50-29-3	4,4'-DDD	0.39	JP
1031-07-8	Endosulfan sulfate	4.8	U
50-29-3	4,4'-DDT	4.8	U
72-43-5	Methoxychlor	4.9	JP
53494-70-5	Endrin ketone	4.8	U
7421-36-3	Endrin aldehyde	4.8	U
5103-71-9	alpha-Chlordane	0.73	J
5103-74-2	gamma-Chlordane	2.5	U
8001-35-2	Toxaphene	250	U
12674-11-2	Aroclor-1016	48	U
11104-28-2	Aroclor-1221	98	U
11141-16-5	Aroclor-1232	48	U
53469-21-9	Aroclor-1242	48	U
12672-29-6	Aroclor-1248	48	U
11097-69-1	Aroclor-1254	48	U
11096-82-5	Aroclor-1260	6.1	JP

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE1 SAS No.: _____ SDG No.: 596203

Matrix: (soil/water) SOIL Lab Sample ID: D596214

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 35 decanted: (Y/N) N Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/28/95

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/08/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
319-84-6	alpha-BHC	2.6	U
319-85-7	beta-BHC	2.6	U
319-86-8	delta-BHC	2.6	U
58-89-9	gamma-BHC (Lindane)	0.59	JP
76-44-8	Heptachlor	2.6	U
309-00-2	Aldrin	2.6	U
1024-57-3	Heptachlor epoxide	2.6	U
959-98-8	Endosulfan I	2.6	U
60-57-1	Dieldrin	0.22	JP
72-55-9	4,4'-DDE	5.0	U
72-20-8	Endrin	0.81	JP
33213-65-9	Endosulfan II	0.40	JP
50-29-3	4,4'-DDD	0.69	JP
1031-07-8	Endosulfan sulfate	5.0	U
50-29-3	4,4'-DDT	5.0	U
72-43-5	Methoxychlor	26	U
53494-70-5	Endrin ketone	5.0	U
7421-36-3	Endrin aldehyde	5.0	U
5103-71-9	alpha-Chlordane	0.56	J
5103-74-2	gamma-Chlordane	2.6	U
8001-35-2	Toxaphene	260	U
12674-11-2	Aroclor-1016	50	U
11104-28-2	Aroclor-1221	100	U
11141-16-5	Aroclor-1232	50	U
53469-21-9	Aroclor-1242	50	U
12672-29-6	Aroclor-1248	50	U
11097-69-1	Aroclor-1254	50	U
11096-82-5	Aroclor-1260	8.0	JP

U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE

Lab Code: Case No.: SAS No.: SDG No.: 143

Matrix (Water): Lab Sample ID: B517705

Level (Low/Med): Date Received: 11/22/95

% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	1800			PM	
7440-36-0	Antimony	58.0	U		PM	
7440-38-2	Arsenic	1.2	B	W	FM	J
7440-39-3	Barium	88.8	B		PM	
7440-41-7	Beryllium	1.0	U		PM	
7440-43-9	Cadmium	5.0	U		PM	
7440-70-2	Calcium	132000			PM	
7440-47-3	Chromium	5.9	B		PM	
7440-48-4	Cobalt	12.0	U		PM	
7440-50-8	Copper	5.0	U		PM	
7439-89-6	Iron	1980			PM	
7439-92-1	Lead	4.4			FM	
7439-95-4	Magnesium	55100			PM	
7439-96-5	Manganese	22.7			PM	
7439-97-6	Mercury	0.05	U		AV	
7440-02-2	Nickel	20.0	U		PM	
7440-09-7	Potassium	2180	B		PM	
7782-49-2	Selenium	1.3	B	W,N	FM	J
7440-22-4	Silver	6.0	U		PM	
7440-23-5	Sodium	4850	B		PM	
7440-28-0	Thallium	1.0	U		FM	
7440-62-2	Vanadium	6.0	U		PM	
7440-66-6	Zinc	19.0	B		PM	
	Cyanide	10.0	U		CA	
	Sulfide	1000	U		T	
	Sulfate	157000			AS	

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: SULFIDE SW846 METHODOLOGY

SULFATE IEPA METHODOLOGY

FORM I - IN

WATER

ILM03.0

03/95

U S EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
G2C1

Lab Name ILLINOIS EPA CHAMPAIGN LAB Contract JO DAVIES FARM SERVICE
Lab Code Case No SAS No SDG No
Matrix (Water) Lab Sample ID B517706
Level (Low/Med) Date Received 11/22/95
% Solids

Concentration Units (ug/L)

CAS No	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	47 0	U		PM	J
7440-36-0	Antimony	58 0	U		PM	
7440-38-2	Arsenic	1 0	U	W	FM	J
7440-39-3	Barium	107	B		PM	
7440-41-7	Beryllium	1 0	U		PM	
7440-43-9	Cadmium	5 0	U		PM	
7440-70-2	Calcium	124000			PM	
7440-47-3	Chromium	4 0	U		PM	
7440-48-4	Cobalt	12 0	U		PM	
7440-50-8	Copper	5 0	U		PM	
7439-89-6	Iron	269			PM	
7439-92-1	Lead	1 4	B		FM	
7439-95-4	Magnesium	65100			PM	
7439-96-5	Manganese	2 0	U		PM	
7439-97-6	Mercury	0 05	U		AV	
7440-02-2	Nickel	20 0	U		PM	
7440-09-7	Potassium	4260	B		PM	
7782-49-2	Selenium	1 0	U	W,N	FM	J
7440-22-4	Silver	6 0	U		PM	
7440-23-5	Sodium	67000			PM	
7440-28-0	Thallium	1 0	U		FM	
7440-62-2	Vanadium	6 0	U		PM	
7440-66-6	Zinc	58 9			PM	
	Cyanide	10 0	U		CA	
	Sulfide	1000	U		T	
	Sulfate	138000			AS	

Color Before COLORLESS Clarity Before CLEAR Texture
Color After COLORLESS Clarity After CLEAR Artifacts
Comments SULFIDE SW846 METHODOLOGY
SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
G202

Lab Name. ILLINOIS EPA CHAMPAIGN LAB Contract JO DAVIES FARM SERVICE
Lab Code Case No SAS No SDG No 143
Matrix (Water) Lab Sample ID B517707
Level (Low/Med) Date Received 11/22/95
% Solids.

Concentration Units (ug/L)

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	47 0	U		PM J
7440-36-0	Antimony	58 0	U		PM
7440-38-2	Arsenic	1 0	U	W	FM J
7440-39-3	Barium	107	B		PM
7440-41-7	Beryllium	1 0	U		PM
7440-43-9	Cadmium	5 0	U		PM
7440-70-2	Calcium	124000			PM
7440-47-3	Chromium	4 0	U		PM
7440-48-4	Cobalt	12 0	U		PM
7440-50-8	Copper	5 0	U		FM
7439-89-6	Iron	253			PM
7439-92-1	Lead	1 6	B		FM
7439-95-4	Magnesium	65700			FM
7439-96-5	Manganese	2 4	B		PM
7439-97-6	Mercury	0 05	U		AV
7440-02-2	Nickel	20 0	U		PM
7440-09-7	Potassium	5140			PM
7782-49-2	Selenium	1 0	U	W,N	FM J
7440-22-4	Silver	6 0	U		PM
7440-23-5	Sodium	67500			PM
7440-28-0	Thallium	1 0	U		FM
7440-62-2	Vanadium	6 0	U		PM
7440-66-6	Zinc	58 9			PM
	Cyanide	10.0	U		CA
	Sulfide	1000	U		T
	Sulfate	139000			AS

Color Before COLORLESS Clarity Before CLEAR Texture
Color After COLORLESS Clarity After CLEAR Artifacts
Comments: SULFIDE SW846 METHODOLOGY
SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

S10_

Lab Name ILLINOIS EPA CHAMPAIGN LAB Contract JO DAVIES FARM SERVICE

Lab Code Case No SAS No SDG No -143

Matrix (Water) Lab Sample ID -B517708

Level (Low/Med) Date Received 11/22/95

% Solids

Concentration Units (ug/L).

CAS No	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	460			PM	
7440-36-0	Antimony	58 0	U		PM	
7440-38-2	Arsenic	1 0	U	W	FM	J
7440-39-3	Barium	74 9	B		PM	
7440-41-7	Beryllium	1 0	U		PM	
7440-43-9	Cadmium	5 0	U		PM	
7440-70-2	Calcium	116000			PM	
7440-47-3	Chromium	4 0	U		PM	
7440-48-4	Cobalt	12 0	U		PM	
7440-50-8	Copper	5 0	U		PM	
7439-89-6	Iron	434			PM	
7439-92-1	Lead	6 7		W	FM	J
7439-95-4	Magnesium	57400			PM	
7439-96-5	Manganese	98 7			PM	
7439-97-6	Mercury	0 05	U		AV	
7440-02-2	Nickel	20 0	U		PM	
7440-09-7	Potassium	1850	U		PM	
7782-49-2	Selenium	1 0	U	W,N	FM	J
7440-22-4	Silver	6 0	U		PM	
7440-23-5	Sodium	13000			PM	
7440-28-0	Thallium	1 0	U		FM	
7440-62-2	Vanadium	6 0	U		PM	
7440-66-6	Zinc	144			PM	
	Cyanide	10 0	U		CA	
	Sulfide	1000	U		T	
	Sulfate	134000			AS	

Color Before COLORLESS Clarity Before CLEAR Texture

Color After COLORLESS Clarity After CLEAR Artifacts

Comments SULFIDE SW846 METHODOLOGY

SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
S102

Lab Name ILLINOIS EPA CHAMPAIGN LAB Contract JO DAVIES FARM SERVICE
Lab Code Case No SAS No SDG No 143
Matrix (Water) Lab Sample ID B517709
Level (Low/Med) Date Received 11/22/95
% Solids

Concentration Units (ug/L)

CAS No	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	262			PM	
7440-36-0	Antimony	58 0	U		PM	
7440-38-2	Arsenic	1 0	U	W	FM	J
7440-39-3	Barium	68 4	B		PM	
7440-41-7	Beryllium	1 0	U		PM	
7440-43-9	Cadmium	5 0	U		PM	
7440-70-2	Calcium	116000			PM	
7440-47-3	Chromium	4 0	U		PM	
7440-48-4	Cobalt	12 0	U		PM	
7440-50-8	Copper	5 0	U		PM	
7439-89-6	Iron	340			PM	
7439-92-1	Lead	6 0		W	FM	J
7439-95-4	Magnesium	57500			PM	
7439-96-5	Manganese	100			PM	
7439-97-6	Mercury	0 05	U		AV	
7440-02-2	Nickel	20 0	U		PM	
7440-09-7	Potassium	2160	B		PM	
7782-49-2	Selenium	1 0	U	W,N	FM	J
7440-22-4	Silver	6 0	U		PM	
7440-23-5	Sodium	11000			PM	
7440-28-0	Thallium	1 0	U		FM	
7440-62-2	Vanadium	6 0	U		PM	
7440-66-6	Zinc	139			PM	
	Cyanide	10 0	U		CA	
	Sulfide	1000	U		T	
	Sulfate	138000			AS	

Color Before. COLORLESS Clarity Before. CLEAR Texture.
Color After COLORLESS Clarity After CLEAR Artifacts
Comments. SULFIDE SW846 METHODOLOGY
SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
S103

Lab Name ILLINOIS EPA CHAMPAIGN LAB Contract JO DAVIES FARM SERVICE
Lab Code Case No SAS No SDG No 143
Matrix (Water) Lab Sample ID B517710
Level (Low/Med) Date Received 11/22/95
% Solids

Concentration Units (ug/L)

CAS No	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	237			PM J
7440-36-0	Antimony	58 0	U	~~W~~ ME	PM
7440-38-2	Arsenic	1.0	U	W	FM J
7440-39-3	Barium	68 4	B		PM
7440-41-7	Beryllium	1 0	U		PM
7440-43-9	Cadmium	5 0	U		PM
7440-70-2	Calcium	116000			PM
7440-47-3	Chromium	4 0	U		PM
7440-48-4	Cobalt	15 2	~~B~~ U		PM
7440-50-8	Copper	5 0	U		PM
7439-89-6	Iron	339			PM
7439-92-1	Lead	5 6		W	FM J
7439-95-4	Magnesium	57400			PM
7439-96-5	Manganese	99 9			PM
7439-97-6	Mercury	0 05	U		AV
7440-02-2	Nickel	20 0	U		PM
7440-09-7	Potassium	2540	B		PM
7782-49-2	Selenium	1 0	U	W,N	FM J
7440-22-4	Silver	6 0	U		PM
7440-23-5	Sodium	11000			PM
7440-28-0	Thallium	1 0	U		FM
7440-62-2	Vanadium	6 0	U		PM
7440-66-6	Zinc	139			PM
	Cyanide	10 0	U		CA
	Sulfide	1000	U		T
	Sulfate	139000			AS

Color Before: COLORLESS Clarity Before CLEAR Texture
Color After. COLORLESS Clarity After. CLEAR Artifacts
Comments SULFIDE SW846 METHODOLOGY
SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
S104

Lab Name ILLINOIS EPA CHAMPAIGN LAB Contract JO DAVIES FARM SERVICE
Lab Code Case No SAS No SDG No 143
Matrix (Water) Lab Sample ID B517711
Level (Low/Med) Date Received 11/22/95
% Solids

Concentration Units (ug/L)

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	353			PM	
7440-36-0	Antimony	58 0	U		PM	
7440-38-2	Arsenic	1 0	U	W	FM	J
7440-39-3	Barium	69 4	B		PM	
7440-41-7	Beryllium	1 0	U		PM	
7440-43-9	Cadmium	5.0	U		PM	
7440-70-2	Calcium	115000			PM	
7440-47-3	Chromium	4 0	U		PM	
7440-48-4	Cobalt	12.0	U		PM	
7440-50-8	Copper	5 0	U		PM	
7439-89-6	Iron	359			FM	
7439-92-1	Lead	5 7		W	FM	J
7439-95-4	Magnesium	57400			PM	
7439-96-5	Manganese	97 4			PM	
7439-97-6	Mercury	0.05	U		AV	
7440-02-2	Nickel	20 0	U		PM	
7440-09-7	Potassium	2120	B		PM	
7782-49-2	Selenium	1 0	U	W,N	FM	J
7440-22-4	Silver	6 0	U		PM	
7440-23-5	Sodium	10900			PM	
7440-28-0	Thallium	1.0	U		FM	
7440-62-2	Vanadium	6 0	U		PM	
7440-66-6	Zinc	144			PM	
	Cyanide	10 0	U		CA	
	Sulfide	1000	U		T	
	Sulfate	140000			AS	

Color Before. COLORLESS Clarity Before CLEAR Texture
Color After COLORLESS Clarity After CLEAR Artifacts
Comments SULFIDE SW846 METHODOLOGY
SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
S105

Lab Name ILLINOIS EPA CHAMPAIGN LAB Contract JO DAVIES FARM SERVICE
Lab Code: Case No SAS No SDG No 143
Matrix (Water) Lab Sample ID B517712
Level (Low/Med) Date Received 11/22/95
% Solids

Concentration Units (ug/L)

CAS No	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	233			PM	J
7440-36-0	Antimony	58 0	U		PM	
7440-38-2	Arsenic	1 0	U	W	FM	J
7440-39-3	Barium	68 1	B		PM	
7440-41-7	Beryllium	1 0	U		PM	
7440-43-9	Cadmium	5 0	U		PM	
7440-70-2	Calcium	117000			PM	
7440-47-3	Chromium	4 0	U		PM	
7440-48-4	Cobalt	12 0	U		PM	
7440-50-8	Copper	5 0	U		PM	
7439-89-6	Iron	306			PM	
7439-92-1	Lead	5 2			FM	
7439-95-4	Magnesium	57500			PM	
7439-96-5	Manganese	97 7			PM	
7439-97-6	Mercury	0 05	U		AV	
7440-02-2	Nickel	24 5	~~B~~ U		PM	
7440-09-7	Potassium	3170	B		PM	
7782-49-2	Selenium	1 0	U	W,N	FM	J
7440-22-4	Silver	6 0	U		PM	
7440-23-5	Sodium	11000			PM	
7440-28-0	Thallium	1 0	U		FM	
7440-62-2	Vanadium	6 0	U		PM	
7440-66-6	Zinc	139			PM	
	Cyanide	10 0	U		CA	
	Sulfide	1000	U		T	
	Sulfate	139000			AS	

Color Before. COLORLESS Clarity Before CLEAR Texture
Color After: COLORLESS Clarity After CLEAR Artifacts
Comments SULFIDE SW846 METHODOLOGY
SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

G102

Lab Name ILLINOIS EPA CHAMPAIGN LAB Contract JO DAVIES FARM SERVICE

Lab Code Case No . SAS No SDG No -143

Matrix (Water) Lab Sample ID -B517713

Level (Low/Med) Date Received 11/[illegible]

% Solids

Concentration Units (ug/L).

CAS No	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	208			PM	J
7440-36-0	Antimony	58 0	U		FM	
7440-38-2	Arsenic	1 0	U	W	[illegible]	J
7440-39-3	Barium	[illegible]				
[illegible]	[illegible]	[illegible]			[illegible]	
[illegible]	[illegible]	5			[illegible]	
[illegible]	Calcium	203000			PM	
[illegible]	[illegible]	4 0	U		PM	
[illegible]	Cobalt	12 0	U		[illegible]	
7440-50-8	Copper	5 0	U		[illegible]	
7439-89-6	Iron	746			PM	
7439-92-1	Lead	1 2	B		FM	
[illegible]	Magnesium	144000			PM	
7439-96-5	Manganese	6990			PM	
7439-97-6	Mercury	0 05	U		AV	
7440-02-2	Nickel	42 8	U		PM	
7440-09-7	Potassium	2750	B		PM	
7782-49-2	Selenium	1 0	U	W,N	FM	J
7440-22-4	Silver	6 0	U		PM	
7440-23-5	Sodium	46900			PM	
7440-28-0	Thallium	1 0	U		FM	
7440-62-2	Vanadium	6 0	U		PM	
7440-66-6	Zinc	21 5			PM	
	Cyanide	14 0			CA	
	Sulfide	1000	U		T	
	Sulfate	347000			AS	

Color Before. COLORLESS Clarity Before. CLEAR Texture.

Color After COLORLESS Clarity After. CLEAR Artifacts

Comments. SULFIDE SW846 METHODOLOGY

SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE

Lab Code: Case No.: SAS No.: SDG No.: 143

Matrix (Water): Lab Sample ID: B517714

Level (Low/Med): Date Received: 11/22/95

% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1420			PM
7440-36-0	Antimony	58.0	U		PM
7440-38-2	Arsenic	1.0	U		FM
7440-39-3	Barium	40.5	B		PM
7440-41-7	Beryllium	1.0	U		PM
7440-43-9	Cadmium	5.0	U		PM
7440-70-2	Calcium	43000			PM
7440-47-3	Chromium	15.2			PM
7440-48-4	Cobalt	12.0	U		PM
7440-50-8	Copper	5.0	U		PM
7439-89-6	Iron	1610			PM
7439-92-1	Lead	5.9			FM
7439-95-4	Magnesium	29000			PM
7439-96-5	Manganese	32.2			PM
7439-97-6	Mercury	0.05	U		AV
7440-02-2	Nickel	20.0	U		PM
7440-09-7	Potassium	3640	B		PM
7782-49-2	Selenium	1.0	U	W,N	FM J
7440-22-4	Silver	6.0	U		PM
7440-23-5	Sodium	371000			PM
7440-28-0	Thallium	1.0	U		FM
7440-62-2	Vanadium	6.0	U		PM
7440-66-6	Zinc	16.0	B		PM
	Cyanide	10.0	U		CA
	Sulfide	1000	U		T
	Sulfate	156400			AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: SULFIDE SW846 METHODOLOGY

SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE

Lab Code: Case No.: SAS No.: SDG No.: 143

Matrix (Water): Lab Sample ID: B517715

Level (Low/Med): Date Received: 11/22/95

% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	464			PM
7440-36-0	Antimony	58.0	U		PM
7440-38-2	Arsenic	1.0	U	W	FM J
7440-39-3	Barium	37.2	B		PM
7440-41-7	Beryllium	1.0	U		PM
7440-43-9	Cadmium	5.0	U		PM
7440-70-2	Calcium	157000			PM
7440-47-3	Chromium	4.0	U		PM
7440-48-4	Cobalt	12.0	U		PM
7440-50-8	Copper	5.0	U		PM
7439-89-6	Iron	674			PM
7439-92-1	Lead	4.4			FM
7439-95-4	Magnesium	108000			PM
7439-96-5	Manganese	1060			PM
7439-97-6	Mercury	0.05	U		AV
7440-02-2	Nickel	20.0	U		PM
7440-09-7	Potassium	3860	B		PM
7782-49-2	Selenium	1.0	U	W,N	FM J
7440-22-4	Silver	6.0	U		PM
7440-23-5	Sodium	6610			PM
7440-28-0	Thallium	1.0	U		FM
7440-62-2	Vanadium	6.0	U		PM
7440-66-6	Zinc	11.1	B		PM
	Cyanide	21.0			CA
	Sulfide	1000	U		T
	Sulfate	292000			AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: SULFIDE SW846 METHODOLOGY

SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE

Lab Code: Case No.: SAS No.: SDG No.. 143

Matrix (Water): Lab Sample ID: B517716

Level (Low/Med): Date Received: 11/22/95

% Solids:

Concentration Units (ug/L):

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	396			PM
7440-36-0	Antimony	58.0	U		PM
7440-38-2	Arsenic	1.0	U	W	FM J
7440-39-3	Barium	34.6	B		PM
7440-41-7	Beryllium	1.0	U		PM
7440-43-9	Cadmium	5.0	U		PM
7440-70-2	Calcium	156000			PM
7440-47-3	Chromium	4.0	U		PM
7440-48-4	Cobalt	12.0	U		PM
7440-50-8	Copper	5.0	U		PM
7439-89-6	Iron	563			PM
7439-92-1	Lead	4.2			FM
7439-95-4	Magnesium	108000			PM
7439-96-5	Manganese	1060			PM
7439-97-6	Mercury	0.05	U		AV
7440-02-2	Nickel	20.0	U		PM
7440-09-7	Potassium	4380	B		PM
7782-49-2	Selenium	1.0	U	W,N	FM J
7440-22-4	Silver	6.0	U		PM
7440-23-5	Sodium	6530			PM
7440-28-0	Thallium	1.0	U		FM
7440-62-2	Vanadium	6.0	U		PM
7440-66-6	Zinc	12.9	B		PM
	Cyanide	21.0			CA
	Sulfide	1000	U		T
	Sulfate	282000			AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: SULFIDE SW846 METHODOLOGY

SULFATE IEPA METHODOLOGY

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X101

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE

Lab Code: Case No.: SAS No.: SDG No.: 143

Matrix (Soil): Lab Sample ID: B517717

Level (Low/Med): Date Received: 11/22/95

% Solids: 76.9

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16000			P	
7440-36-0	Antimony	13.8	U	N	P	J
7440-38-2	Arsenic	11.8		S,N	FM	J
7440-39-3	Barium	233			P	
7440-41-7	Beryllium	0.80	B		P	
7440-43-9	Cadmium	3.5			P	
7440-70-2	Calcium	46200			P	
7440-47-3	Chromium	21.0			P	
7440-48-4	Cobalt	9.9	B		P	J
7440-50-8	Copper	20.4			P	
7439-89-6	Iron	23800			P	
7439-92-1	Lead	234			P	
7439-95-4	Magnesium	23900			P	
7439-96-5	Manganese	967			P	
7439-97-6	Mercury	0.05	B		AV	
7440-02-2	Nickel	24.6	U		P	
7440-09-7	Potassium	1760			P	
7782-49-2	Selenium	1.3	U	W,N	FM	R
7440-22-4	Silver	1.7	B		P	
7440-23-5	Sodium	178	B		P	
7440-28-0	Thallium	0.26	U		FM	
7440-62-2	Vanadium	34.7			P	
7440-66-6	Zinc	1840			P	
	Cyanide	0.65	U		CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X102

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE
Lab Code: Case No.: SAS No.: SDG No.: 143
Matrix (Soil): Lab Sample ID: B517718
Level (Low/Med): Date Received: 11/22/95
% Solids: 85.0

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11200			P	
7440-36-0	Antimony	12.3	U	N	P	J
7440-38-2	Arsenic	10.6		N	FM	J
7440-39-3	Barium	110			P	
7440-41-7	Beryllium	1.4			P	
7440-43-9	Cadmium	3.6			P	
7440-70-2	Calcium	89400			P	
7440-47-3	Chromium	17.9			P	
7440-48-4	Cobalt	6.7	B		P	J
7440-50-8	Copper	24.0			P	
7439-89-6	Iron	28400			P	
7439-92-1	Lead	124			P	
7439-95-4	Magnesium	28200			P	
7439-96-5	Manganese	832			P	
7439-97-6	Mercury	0.04	B		AV	
7440-02-2	Nickel	32.1			P	
7440-09-7	Potassium	1630			P	J
7782-49-2	Selenium	1.1	U	W,N	FM	R
7440-22-4	Silver	2.7			P	
7440-23-5	Sodium	264	B		P	
7440-28-0	Thallium	0.50	B	W	FM	J
7440-62-2	Vanadium	31.9			P	
7440-66-6	Zinc	1110			P	
	Cyanide	1.2			CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: COURSE
Color After: GREEN Clarity After: CLEAR Artifacts:
Comments:

U.S. EPA - CLP
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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X103

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE
Lab Code: Case No.: SAS No.: SDG No.: 143
Matrix (Soil): Lab Sample ID: B517719
Level (Low/Med): Date Received: 11/22/95
% Solids: 81.6

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	20100			P	
7440-36-0	Antimony	10.2	U	N	P	J
7440-38-2	Arsenic	5.1		S,N	FM	J
7440-39-3	Barium	150			P	
7440-41-7	Beryllium	1.1			P	
7440-43-9	Cadmium	0.96	U		P	
7440-70-2	Calcium	33500			P	
7440-47-3	Chromium	34.4			P	
7440-48-4	Cobalt	10.3			P	J
7440-50-8	Copper	26.5			P	
7439-89-6	Iron	25300			P	
7439-92-1	Lead	28.4		S	FM	
7439-95-4	Magnesium	13400			P	
7439-96-5	Manganese	695			P	
7439-97-6	Mercury	0.03	B		AV	
7440-02-2	Nickel	34.7			P	
7440-09-7	Potassium	2720			P	
7782-49-2	Selenium	1.1	U	W,N	FM	R
7440-22-4	Silver	1.7	B		P	
7440-23-5	Sodium	190	B		P	
7440-28-0	Thallium	0.23	U		FM	
7440-62-2	Vanadium	66.4			P	
7440-66-6	Zinc	86.4			P	
	Cyanide	0.61	U		CA	
					AS	

Color Before: ORANGE Clarity Before: OPAQUE Texture: COURSE
Color After: BROWN Clarity After: CLOUDY Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X104

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE

Lab Code: Case No.: SAS No.: SDG No.: 143

Matrix (Soil): Lab Sample ID: B517720

Level (Low/Med): Date Received: 11/22/95

% Solids: 81.7

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14000			P	
7440-36-0	Antimony	16.2		N	P	J
7440-38-2	Arsenic	7.6		S,N	FM	J
7440-39-3	Barium	106			P	
7440-41-7	Beryllium	4.5			P	
7440-43-9	Cadmium	5.3			P	
7440-70-2	Calcium	24000			P	
7440-47-3	Chromium	21.3			P	
7440-48-4	Cobalt	13.5			P	J
7440-50-8	Copper	35.1			P	
7439-89-6	Iron	55100			P	
7439-92-1	Lead	62.9			P	
7439-95-4	Magnesium	9000			P	
7439-96-5	Manganese	517			P	
7439-97-6	Mercury	0.04	B		AV	
7440-02-2	Nickel	63.6			P	
7440-09-7	Potassium	2030			P	J
7782-49-2	Selenium	0.23	U	W,N	FM	R
7440-22-4	Silver	1.9	B		P	
7440-23-5	Sodium	262	B		P	
7440-28-0	Thallium	0.46	B		FM	
7440-62-2	Vanadium	41.6			P	
7440-66-6	Zinc	658			P	
	Cyanide	0.61	U		CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X105

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE
Lab Code: Case No.: SAS No.: SDG No.: 143
Matrix (Soil): Lab Sample ID: 8517721
Level (Low/Med): Date Received: 11/22/95
% Solids: 82.0

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	14800			P	
7440-36-0	Antimony	27.1		N	P	J
7440-38-2	Arsenic	7.2		N	FM	J
7440-39-3	Barium	105			P	
7440-41-7	Beryllium	5.3			P	
7440-43-9	Cadmium	4.0			P	
7440-70-2	Calcium	22400			P	
7440-47-3	Chromium	21.5			P	
7440-48-4	Cobalt	12.1			P	J
7440-50-8	Copper	36.7			P	
7439-89-6	Iron	56100			P	
7439-92-1	Lead	74.4			P	
7439-95-4	Magnesium	7930			P	
7439-96-5	Manganese	493			P	
7439-97-6	Mercury	0.03	B		AV	
7440-02-2	Nickel	63.6			P	
7440-09-7	Potassium	2190			P	
7782-49-2	Selenium	0.24	U	W,N	FM	R
7440-22-4	Silver	3.7			P	
7440-23-5	Sodium	349	B		P	
7440-28-0	Thallium	0.35	B		FM	
7440-62-2	Vanadium	41.4			P	
7440-66-6	Zinc	604			P	
	Cyanide	0.61	U		CA	
					AS	

Color Before: BLACK Clarity Before: OPAQUE Texture: MEDIUM
Color After: YELLOW Clarity After: CLEAR Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X106

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE

Lab Code: Case No.: SAS No.: SDG No.: 143

Matrix (Soil): Lab Sample ID: B517722

Level (Low/Med): Date Received: 11/22/95

% Solids: 75.1

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	13900			P	
7440-36-0	Antimony	13.3	U	N	P	J
7440-38-2	Arsenic	4.1		N	FM	J
7440-39-3	Barium	167			P	
7440-41-7	Beryllium	0.76	B		P	
7440-43-9	Cadmium	1.2	U		P	
7440-70-2	Calcium	32600			P	
7440-47-3	Chromium	23.3			P	
7440-48-4	Cobalt	7.7	B		P	J
7440-50-8	Copper	19.1			P	
7439-89-6	Iron	19700			P	
7439-92-1	Lead	30.2			FM	
7439-95-4	Magnesium	12800			P	
7439-96-5	Manganese	756			P	
7439-97-6	Mercury	0.04	B		AV	
7440-02-2	Nickel	29.4			P	
7440-09-7	Potassium	1950			P	J
7782-49-2	Selenium	0.26	U	W,N	FM	R
7440-22-4	Silver	1.5	U		P	
7440-23-5	Sodium	153	B		P	
7440-28-0	Thallium	0.26	U		FM	
7440-62-2	Vanadium	42.8			P	
7440-66-6	Zinc	97.4			P	
	Cyanide	0.66	U		CA	
					AS	

Color Before: GRAY Clarity Before: OPAQUE Texture: FINE

Color After: WHITE Clarity After: CLOUDY Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X107

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE
Lab Code: Case No.: SAS No.: SDG No.: 143
Matrix (Soil): Lab Sample ID: B517723
Level (Low/Med): Date Received: 11/22/95
% Solids: 84.6

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	6290			P	
7440-36-0	Antimony	9.8	U	N	P	J
7440-38-2	Arsenic	5.8		N	FM	J
7440-39-3	Barium	44.7			P	
7440-41-7	Beryllium	0.47 JC	B		P	
7440-43-9	Cadmium	1.2 ~~1.18~~			P	
7440-70-2	Calcium	135000			P	
7440-47-3	Chromium	9.9 ~~9.87~~ JC			P	
7440-48-4	Cobalt	3.9	B		P	J
7440-50-8	Copper	11.1			P	
7439-89-6	Iron	17200			P	
7439-92-1	Lead	79.4			P	
7439-95-4	Magnesium	65300			P	
7439-96-5	Manganese	829			P	
7439-97-6	Mercury	0.05	B		AV	
7440-02-2	Nickel	22.0	U		P	
7440-09-7	Potassium	721	B		P	J
7782-49-2	Selenium	1.2	U	W.N	FM	R
7440-22-4	Silver	1.9	~~B~~ U		P	
7440-23-5	Sodium	253	B		P	
7440-28-0	Thallium	0.23	U		FM	
7440-62-2	Vanadium	16.4			P	
7440-66-6	Zinc	724			P	
	Cyanide	0.59	U		CA	
					AS	

Color Before: GRAY Clarity Before: OPAQUE Texture: COURSE
Color After: BROWN Clarity After: CLOUDY Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X201

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE

Lab Code: Case No.: SAS No.: SDG No.: 143

Matrix (Soil): Lab Sample ID: B517724

Level (Low/Med): Date Received: 11/22/95

% Solids: 76.2

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	9590			P	
7440-36-0	Antimony	10.2	U	N	P	J
7440-38-2	Arsenic	10.1		N	FM	J
7440-39-3	Barium	149			P	
7440-41-7	Beryllium	0.49	B		P	
7440-43-9	Cadmium	8.8			P	
7440-70-2	Calcium	91100			P	
7440-47-3	Chromium	13.3			P	
7440-48-4	Cobalt	5.3	B		P	J
7440-50-8	Copper	13.3			P	
7439-89-6	Iron	19200			P	
7439-92-1	Lead	187			P	
7439-95-4	Magnesium	49800			P	
7439-96-5	Manganese	1060			P	
7439-97-6	Mercury	0.05	B		AV	
7440-02-2	Nickel	15.5	U		P	
7440-09-7	Potassium	1270			P	J
7782-49-2	Selenium	1.3	U	W,N	FM	R
7440-22-4	Silver	1.5	~~B~~ U		P	
7440-23-5	Sodium	168	B		P	
7440-28-0	Thallium	0.26	U	W	FM	J
7440-62-2	Vanadium	22.7			P	
7440-66-6	Zinc	1890			P	
	Cyanide	0.66	U		CA	
					AS	

Color Before: GRAY Clarity Before: OPAQUE Texture: FINE

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X202

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE
Lab Code: Case No.: SAS No.: SDG No.: 143
Matrix (Soil): Lab Sample ID: B517725
Level (Low/Med): Date Received: 11/22/95
% Solids: 64.8

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	12000			P	
7440-36-0	Antimony	15.0	U	N	P	J
7440-38-2	Arsenic	12.5		N	FM	J
7440-39-3	Barium	198			P	
7440-41-7	Beryllium	0.60	B		P	
7440-43-9	Cadmium	9.3			P	
7440-70-2	Calcium	33500			P	
7440-47-3	Chromium	16.3			P	
7440-48-4	Cobalt	11.1	B		P	J
7440-50-8	Copper	15.0			P	
7439-89-6	Iron	22700			P	
7439-92-1	Lead	360			P	
7439-95-4	Magnesium	16000			P	
7439-96-5	Manganese	713			P	
7439-97-6	Mercury	0.08	B		AV	
7440-02-2	Nickel	26.8	U		P	
7440-09-7	Potassium	1010	B		P	J
7782-49-2	Selenium	1.5	U	W,N	FM	R
7440-22-4	Silver	1.7	U		P	
7440-23-5	Sodium	121	B		P	
7440-28-0	Thallium	0.30	U		FM	
7440-62-2	Vanadium	26.7			P	
7440-66-6	Zinc	3250			P	
	Cyanide	0.77	U		CA	
					AS	

Color Before: GRAY Clarity Before: OPAQUE Texture: FINE
Color After: BROWN Clarity After: CLOUDY Artifacts:
Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X203

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE

Lab Code: Case No.: SAS No.: SDG No.: 143

Matrix (Soil): Lab Sample ID: B517726

Level (Low/Med): Date Received: 11/22/95

% Solids: 63.9

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11600			P	
7440-36-0	Antimony	13.2	U	N	P	J
7440-38-2	Arsenic	14.4		S,N	FM	J
7440-39-3	Barium	195			P	
7440-41-7	Beryllium	0.44	B		P	
7440-43-9	Cadmium	7.3			P	
7440-70-2	Calcium	40800			P	
7440-47-3	Chromium	15.8			P	
7440-48-4	Cobalt	10.4	B		P	J
7440-50-8	Copper	16.2			P	
7439-89-6	Iron	22100			P	
7439-92-1	Lead	349			P	
7439-95-4	Magnesium	18700			P	
7439-96-5	Manganese	785			P	
7439-97-6	Mercury	0.04	B		AV	
7440-02-2	Nickel	29.3	U		P	
7440-09-7	Potassium	1500			P	J
7782-49-2	Selenium	1.6	U	W,N	FM	R
7440-22-4	Silver	1.8	~~B~~ U		P	
7440-23-5	Sodium	128	B		P	
7440-28-0	Thallium	0.31	U		FM	
7440-62-2	Vanadium	26.8			P	
7440-66-6	Zinc	3150			P	
	Cyanide	0.78	U		CA	
					AS	

Color Before: GRAY Clarity Before: OPAQUE Texture: FINE

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X204

b Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE

Lab Code: Case No.: SAS No.: SDG No.: 143

Matrix (Soil): Lab Sample ID: B517727

Level (Low/Med): Date Received: 11/22/95

% Solids: 73.8

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	11700			P	
7440-36-0	Antimony	11.8	U	N	P	J
7440-38-2	Arsenic	9.1		N	FM	J
7440-39-3	Barium	152			P	
7440-41-7	Beryllium	0.43	B		P	
7440-43-9	Cadmium	6.8			P	
7440-70-2	Calcium	22000			P	
7440-47-3	Chromium	16.6			P	
7440-48-4	Cobalt	6.3	B		P	J
7440-50-8	Copper	12.0			P	
7439-89-6	Iron	17100			P	
7439-92-1	Lead	290			P	
7439-95-4	Magnesium	12000			P	
7439-96-5	Manganese	844			P	
7439-97-6	Mercury	0.07	B		AV	
7440-02-2	Nickel	19.0	U		P	
7440-09-7	Potassium	1360			P	J
7782-49-2	Selenium	0.26	U	W,N	FM	R
7440-22-4	Silver	1.3	U		P	
7440-23-5	Sodium	64.9	B		P	
7440-28-0	Thallium	0.26	U		FM	
7440-62-2	Vanadium	27.7			P	
7440-66-6	Zinc	3080			P	
	Cyanide	0.68	U		CA	
					AS	

Color Before: GRAY Clarity Before: OPAQUE Texture: FINE

Color After: BROWN Clarity After: CLOUDY Artifacts:

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

X205

Lab Name: ILLINOIS EPA CHAMPAIGN LAB Contract: JO DAVIES FARM SERVICE
Lab Code: Case No.: SAS No.: SDG No.: 143
Matrix (Soil): Lab Sample ID: B517728
Level (Low/Med): Date Received: 11/22/95
% Solids: 67.2

Concentration Units (mg/kg dry weight):

CAS No.	Analyte	Concentration	C	Q	M	
7429-90-5	Aluminum	16100			P	
7440-36-0	Antimony	18.9		N	P	J
7440-38-2	Arsenic	26.5		N	FM	J
7440-39-3	Barium	242			P	
7440-41-7	Beryllium	0.74	B		P	
7440-43-9	Cadmium	13.4			P	
7440-70-2	Calcium	30100			P	
7440-47-3	Chromium	20.5			P	
7440-48-4	Cobalt	11.1	B		P	J
7440-50-8	Copper	18.5			P	
7439-89-6	Iron	32400			P	
7439-92-1	Lead	929			P	
7439-95-4	Magnesium	15000			P	
7439-96-5	Manganese	658			P	
7439-97-6	Mercury	0.34			AV	
7440-02-2	Nickel	34.6			P	
7440-09-7	Potassium	1640			P	J
7782-49-2	Selenium	0.28	U	W,N	FM	R
7440-22-4	Silver	1.7	~~B~~ U		P	
7440-23-5	Sodium	79.9	B		P	
7440-28-0	Thallium	0.28	U		FM	
7440-62-2	Vanadium	35.8			P	
7440-66-6	Zinc	6350			P	
	Cyanide	0.74	U		CA	
					AS	

Color Before: GRAY Clarity Before: OPAQUE Texture: FINE
Color After: BROWN Clarity After: CLOUDY Artifacts:
Comments:

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03/95

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596223

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1127LC08

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0 530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U J
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U J
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U J
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U J
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596223

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1127LC08

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596224

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1127LC09

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. _____ Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	UJ
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	UJ
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	6	J
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	UJ
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	UJ
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596224

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1127LC09

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN ALIP. HYDROCARBON	9.44	6	J
2.	UNKNOWN ALIP. HYDROCARBON	11.92	9	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596225

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1127LC14

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U J
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U J
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U J
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U J
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U J
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596225

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1127LC14

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596226

Sample wt/vol: 1.0 (g/mL) ML Lab File ID: B1129LC07

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/29/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl Chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene Chloride	50	U
67-64-1	Acetone	320	J
75-15-0	Carbon Disulfide	50	U
75-35-4	1,1-Dichloroethene	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	50	U
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	150	J
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	16000	EJ
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	11	J
591-78-6	2-Hexanone	29	J
127-18-4	Tetrachloroethene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	1500	EJ
108-90-7	Chlorobenzene	50	UJ
100-41-4	Ethylbenzene	170	J
100-42-5	Styrene	50	UJ
1330-20-7	Xylene (total)	1900	EJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596226

Sample wt/vol: 1.0 (g/mL) ML Lab File ID: B1129LC07

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/29/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 110-02-1	THIOPHENE	12.04	610	JN
2. 563-80-4	2-BUTANONE, 3-METHYL-	13.39	6	JN
3. 554-14-3	THIOPHENE, 2-METHYL-	15.64	230	JN
4. 616-44-4	THIOPHENE, 3-METHYL-	15.94	240	JN
5. 638-00-6	THIOPHENE, 2,4-DIMETHYL-	18.72	130	JN

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104DL

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596226DL

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1129LC09

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. _____ Date Analyzed: 11/29/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 250.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	2500	U
74-83-9	Bromomethane	2500	U
75-01-4	Vinyl Chloride	2500	U
75-00-3	Chloroethane	2500	U
75-09-2	Methylene Chloride	2500	U
67-64-1	Acetone	2500	U J
75-15-0	Carbon Disulfide	2500	U
75-35-4	1,1-Dichloroethene	2500	U
75-34-3	1,1-Dichloroethane	2500	U
540-59-0	1,2-Dichloroethene (total)	2500	U
67-66-3	Chloroform	2500	U
107-06-2	1,2-Dichloroethane	2500	U
78-93-3	2-Butanone	2500	U J
71-55-6	1,1,1-Trichloroethane	2500	U
56-23-5	Carbon Tetrachloride	2500	U
75-27-4	Bromodichloromethane	2500	U
78-87-5	1,2-Dichloropropane	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
79-01-6	Trichloroethene	2500	U
124-48-1	Dibromochloromethane	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
71-43-2	Benzene	21000	J
10061-02-6	trans-1,3-Dichloropropene	2500	U
75-25-2	Bromoform	2500	U
108-10-1	4-Methyl-2-Pentanone	2500	U
591-78-6	2-Hexanone	2500	U J
127-18-4	Tetrachloroethene	2500	U
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
108-88-3	Toluene	5000	J
108-90-7	Chlorobenzene	2500	U J
100-41-4	Ethylbenzene	2500	U J
100-42-5	Styrene	2500	U J
1330-20-7	Xylene (total)	2100	J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G104DL

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596226DL

Sample wt/vol: 5 0 (g/mL) ML Lab File ID: B1129LC09

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/29/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 250.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596227

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC07

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U J
108-90-7	Chlorobenzene	10	U J
100-41-4	Ethylbenzene	10	U J
100-42-5	Styrene	10	U J
1330-20-7	Xylene (total)	10	U J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G105

b Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596227

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC07

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596228

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC08

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U J
108-90-7	Chlorobenzene	10	U J
100-41-4	Ethylbenzene	10	U J
100-42-5	Styrene	10	U J
1330-20-7	Xylene (total)	10	U J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G106

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596228

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC08

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S101

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596229

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC13

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U J
108-90-7	Chlorobenzene	10	U J
100-41-4	Ethylbenzene	10	U J
100-42-5	Styrene	10	U J
1330-20-7	Xylene (total)	10	U J

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S101

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596229

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC13

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S102

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596230

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC06

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U J
108-90-7	Chlorobenzene	10	U J
100-41-4	Ethylbenzene	10	U J
100-42-5	Styrene	10	U J
1330-20-7	Xylene (total)	10	U J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S102

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596230

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC06

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S103

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596231

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC09

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U J
108-90-7	Chlorobenzene	10	U J
100-41-4	Ethylbenzene	10	U J
100-42-5	Styrene	10	U J
1330-20-7	Xylene (total)	10	U J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S103

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596231

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC09

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S104

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596232

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC10

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U J
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U J
108-90-7	Chlorobenzene	10	U J
100-41-4	Ethylbenzene	10	U J
100-42-5	Styrene	10	U J
1330-20-7	Xylene (total)	10	U J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S104

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596232

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC10

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S105

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596233

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1127LC16

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1 0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS. (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	UJ
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	UJ
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	UJ
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	UJ
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	UJ
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S105

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596233

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1127LC16

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/27/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKTB2

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596235

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC14

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKTB2

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596235

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC14

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1 0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume. _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.18	8	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLKTB1

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596234

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: B1128LC04

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLKTB1

b Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596234

Sample wt/vol: 5 0 (g/mL) ML Lab File ID: B1128LC04

Level: (low/med) LOW Date Received: 11/21/95

% Moisture: not dec. ____ Date Analyzed: 11/28/95

GC Column: DB-624 ID: 0.530 (mm) Dilution Factor: 1 0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN	3.22	9	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G101

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596223

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E04

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U R
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G101

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596223

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E04

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UR
100-02-7	4-Nitrophenol	25	UR
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	UJ
534-52-1	4,6-Dinitro-2-methylphenol	25	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	UJ
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	14	
117-84-0	Di-n-Octyl Phthalate	10	UJ
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	UJ
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	UJ
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

G101

) Name ILLINOIS EPA Contract· 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No . 596223

Matrix (soil/water) WATER Lab Sample ID D596223

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E04

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 8

Number TICs found 11

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1		UNKNOWN TRICHLORO PROPENE	10 47	39	BJ
2		UNKNOWN	12 07	3	BJ
3		UNKNOWN ALIP HYDROCARBON	14 22	66	BJ
4		UNKNOWN	14 30	7	BJ
LB 5	~~60-32-2~~ Unknown	HEXANOIC ACID, ~~β~~-AMINO-	16 03	15	JN
LB 6	~~60-32-2~~ Unknown	HEXANOIC ACID, ~~β~~-AMINO-	16 33	290	JN
7	1541-20-4	BI-2-CYCLOHEXEN-1-YL	17 23	5	JN ~~B~~ U
8		UNKNOWN	21 47	6	J
9		UNKNOWN	28 48	27	J
10		UNKNOWN ALIP ACID ESTER	28 98	8	J
11		UNKNOWN	30 75	6	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

) Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596224

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E05

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U R
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G102

ɔ Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No . 596223

Matrix (soil/water) WATER Lab Sample ID· D596224

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E05

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UR
100-02-7	4-Nitrophenol	25	UR
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	BJU
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	UJ
534-52-1	4,6-Dinitro-2-methylphenol	25	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	UJ
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	65	
117-84-0	Di-n-Octyl Phthalate	10	UJ
205-99-2	Benzo(b)Fluoranthene	10	UJ
207-08-9	Benzo(k)Fluoranthene	10	UJ
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	UJ
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G102

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596224

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E05

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2.0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 4

Number TICs found 13

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN TRICHLORO PROPENE	10 43	15	BJ
2	UNKNOWN	11 43	6	J
3	UNKNOWN	12 03	5	BJ
4	UNK DIHYDRO DIMETHYL INDENE	13 52	2	J
5	UNK DIHYDRO DIMETHYL INDENE	13 92	2	J
6	UNKNOWN	14 18	41	BJ
7	UNK DIHYDRO DIMETHYL INDENE	15 12	2	J
8	UNKNOWN	15 80	4	J
9 105-60-2	CAPROLACTAM	16 05	95	JN
10	UNKNOWN	21 95	3	J
11	UNKNOWN	23 23	3	J
12	UNKNOWN	28 47	25	J
13	UNKNOWN	33 35	28	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

ɔ Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596225

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E06

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted. 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 1

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U R
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G103

) Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596225

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E06

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 1

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UR
100-02-7	4-Nitrophenol	25	UR
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	UJ
534-52-1	4,6-Dinitro-2-methylphenol	25	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	UJ
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	42	
117-84-0	Di-n-Octyl Phthalate	10	UJ
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	UJ
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	UJ
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G103

b Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No . 596223

Matrix (soil/water) WATER Lab Sample ID D596225

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E06

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 1

Number TICs found 9

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1		UNKNOWN TRICHLORO PROPENE	10 43	35	BJ
2		UNKNOWN	12 05	2	BJ
3		UNKNOWN ALIP HYDROCARBON	14 20	60	BJ
4		UNKNOWN	14 28	4	BJ
5	~~60-32-2~~ UNKNOWN	HEXANOIC ACID, β-AMINO-	15 93	11	JN
6	~~60-32-2~~ UNKNOWN	HEXANOIC ACID, β-AMINO-	16 32	350	JN
7		UNKNOWN	21 47	4	BJ
8		UNKNOWN	28 27	9	J
9		UNKNOWN	28 42	53	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G104

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596226

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E07

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 10 0

GPC Cleanup (Y/N) N pH 7 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	2100	E
111-44-4	bis(2-Chloroethyl)Ether	100	U
95-57-8	2-Chlorophenol	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
95-48-7	2-Methylphenol	100	U
108-60-1	2,2'-oxybis(1-Chloropropane)	100	U J
106-44-5	4-Methylphenol	100	U
621-64-7	N-Nitroso-Di-n-Propylamine	100	U
67-72-1	Hexachloroethane	100	U
98-95-3	Nitrobenzene	100	U
78-59-1	Isophorone	100	U
88-75-5	2-Nitrophenol	100	U
105-67-9	2,4-Dimethylphenol	4200	E
111-91-1	bis(2-Chloroethoxy)Methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U
91-20-3	Naphthalene	1100	E
106-47-8	4-Chloroaniline	100	U J
87-68-3	Hexachlorobutadiene	100	U
59-50-7	4-Chloro-3-Methylphenol	100	U
91-57-6	2-Methylnaphthalene	140	
77-47-4	Hexachlorocyclopentadiene	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	250	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	250	U
131-11-3	Dimethylphthalate	100	U
208-96-8	Acenaphthylene	40	J
606-20-2	2,6-Dinitrotoluene	100	U
99-09-2	3-Nitroaniline	250	U R
83-32-9	Acenaphthene	100	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596226

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E07

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 10 0

GPC Cleanup (Y/N) N pH 7 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	250	UR
100-02-7	4-Nitrophenol	250	UR
132-64-9	Dibenzofuran	48	J
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	100	U
7005-72-3	4-Chlorophenyl-phenylether	100	U
86-73-7	Fluorene	65	J
100-10-6	4-Nitroaniline	250	UJ
534-52-1	4,6-Dinitro-2-methylphenol	250	UJ
86-30-6	N-Nitrosodiphenylamine (1)	100	U
101-55-3	4-Bromophenyl-phenylether	100	U
118-74-1	Hexachlorobenzene	100	U
87-86-5	Pentachlorophenol	250	UJ
85-01-8	Phenanthrene	120	
120-12-7	Anthracene	26	J
86-74-8	Carbazole	64	J
84-74-2	Di-n-Butylphthalate	100	U
206-44-0	Fluoranthene	60	J
129-00-0	Pyrene	48	J
85-68-7	Butylbenzylphthalate	100	U
91-94-1	3,3'-Dichlorobenzidine	100	UJ
56-55-3	Benzo(a)Anthracene	43	J
218-01-9	Chrysene	29	J
117-81-7	bis(2-Ethylhexyl)Phthalate	120	
117-84-0	Di-n-Octyl Phthalate	100	UJ
205-99-2	Benzo(b)Fluoranthene	55	J
207-08-9	Benzo(k)Fluoranthene	100	UJ
50-32-8	Benzo(a)Pyrene	100	U
193-39-5	Indeno(1,2,3-cd)Pyrene	100	UJ
53-70-3	Dibenz(a,h)Anthracene	100	UJ
191-24-2	Benzo(g,h,i)Perylene	100	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

G104

) Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID. D596226

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E07

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2.0 (uL) Dilution Factor 10 0

GPC Cleanup (Y/N) N pH 7 4

Number TICs found 25

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN DIMETHYL PHENOL	13 58	1500	J
2	UNKNOWN PHENOL	14 57	4000	J
3	UNKNOWN DIMETHYL PHENOL	14 67	2900	J
4	UNKNOWN DIMETHYL PHENOL	14 77	1200	J
5	UNKNOWN TRIMETHYL PHENOL	15 20	920	J
6	UNKNOWN TRIMETHYL PHENOL	15 65	1100	J
7	UNKNOWN METHYL-ETHYL PHENOL	15 97	1500	J
8	UNKNOWN TRIMETHYL PHENOL	16 13	610	J
9	UNKNOWN TRIMETHYL PHENOL	16 20	400	J
10	UNKNOWN	16 28	160	J
11	UNK METHYL BENZOIC ACID	16 48	150	J
12	UNKNOWN	16 53	150	J
13	UNKNOWN TRIMETHYL PHENOL	16 68	650	J
14	UNKNOWN	16 90	330	J
15	UNKNOWN	16 98	420	J
16	UNK METHYL BENZOIC ACID	17 05	2100	J
17	UNKNOWN	17 17	1300	J
18	UNKNOWN	17 32	290	J
19	UNKNOWN	17 40	190	J
20	UNKNOWN	17 57	47	J
21	UNKNOWN	17 63	48	J
22	UNKNOWN	17 68	220	J
23	UNKNOWN	17 73	100	J
24	UNKNOWN	18 73	400	J
25	UNKNOWN	18.83	1800	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104DL

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596226

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E09

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 12/01/95

Injection Volume 2 0 (uL) Dilution Factor 1000 0

GPC Cleanup (Y/N) N pH 7 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	2700	J
111-44-4	bis(2-Chloroethyl)Ether	10000	U
95-57-8	2-Chlorophenol	10000	U
541-73-1	1,3-Dichlorobenzene	10000	U
106-46-7	1,4-Dichlorobenzene	10000	U
95-50-1	1,2-Dichlorobenzene	10000	U
95-48-7	2-Methylphenol	8200	J
108-60-1	2,2'-oxybis(1-Chloropropane)	10000	U J
106-44-5	4-Methylphenol	60000	
621-64-7	N-Nitroso-Di-n-Propylamine	10000	U
67-72-1	Hexachloroethane	10000	U
98-95-3	Nitrobenzene	10000	U
78-59-1	Isophorone	10000	U
88-75-5	2-Nitrophenol	10000	U
105-67-9	2,4-Dimethylphenol	16000	
111-91-1	bis(2-Chloroethoxy)Methane	10000	U
120-83-2	2,4-Dichlorophenol	10000	U
120-82-1	1,2,4-Trichlorobenzene	10000	U
91-20-3	Naphthalene	10000	U
106-47-8	4-Chloroaniline	10000	U J
87-68-3	Hexachlorobutadiene	10000	U
59-50-7	4-Chloro-3-Methylphenol	10000	U
91-57-6	2-Methylnaphthalene	10000	U
77-47-4	Hexachlorocyclopentadiene	10000	U
88-06-2	2,4,6-Trichlorophenol	10000	U
95-95-4	2,4,5-Trichlorophenol	25000	U
91-58-7	2-Chloronaphthalene	10000	U
88-74-4	2-Nitroaniline	25000	U
131-11-3	Dimethylphthalate	10000	U
208-96-8	Acenaphthylene	10000	U
606-20-2	2,6-Dinitrotoluene	10000	U
99-09-2	3-Nitroaniline	25000	U JR
83-32-9	Acenaphthene	10000	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G104DL

ɔ Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596226

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E09

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 12/01/95

Injection Volume 2 0 (uL) Dilution Factor 1000 0

GPC Cleanup (Y/N) N pH 7 4

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25000	UR
100-02-7	4-Nitrophenol	25000	UR
132-64-9	Dibenzofuran	10000	U
121-14-2	2,4-Dinitrotoluene	10000	U
84-66-2	Diethylphthalate	10000	U
7005-72-3	4-Chlorophenyl-phenylether	10000	U
86-73-7	Fluorene	10000	U
100-10-6	4-Nitroaniline	25000	UJ
534-52-1	4,6-Dinitro-2-methylphenol	25000	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10000	U
101-55-3	4-Bromophenyl-phenylether	10000	U
118-74-1	Hexachlorobenzene	10000	U
87-86-5	Pentachlorophenol	25000	UJ
85-01-8	Phenanthrene	10000	U
120-12-7	Anthracene	10000	U
86-74-8	Carbazole	10000	U
84-74-2	Di-n-Butylphthalate	10000	U
206-44-0	Fluoranthene	10000	U
129-00-0	Pyrene	10000	U
85-68-7	Butylbenzylphthalate	10000	U
91-94-1	3,3'-Dichlorobenzidine	10000	UJ
56-55-3	Benzo(a)Anthracene	10000	U
218-01-9	Chrysene	10000	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10000	U
117-84-0	Di-n-Octyl Phthalate	10000	UJ
205-99-2	Benzo(b)Fluoranthene	10000	U
207-08-9	Benzo(k)Fluoranthene	10000	UJ
50-32-8	Benzo(a)Pyrene	10000	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10000	UJ
53-70-3	Dibenz(a,h)Anthracene	10000	UJ
191-24-2	Benzo(g,h,i)Perylene	10000	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G104DL

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No . _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596226

Sample wt/vol 1000 (g/mL) ML Lab File ID B1130E09

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/22/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 12/01/95

Injection Volume 2.0 (uL) Dilution Factor 1000 0

GPC Cleanup (Y/N) N pH 7 4

Number TICs found 0

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G105

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No . 596223

Matrix (soil/water) WATER Lab Sample ID D596227

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E11

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 6

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U J
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G105

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596227

Sample wt/vol 1000 (g/mL) ML Lab File ID. B1129E11

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2.0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 6

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UR
100-02-7	4-Nitrophenol	25	UR
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	UR
534-52-1	4,6-Dinitro-2-methylphenol	25	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	UJ
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	31	
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	UJ
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

G105

b Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No · 596223

Matrix (soil/water) WATER Lab Sample ID D596227

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E11

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted. 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 6

Number TICs found 1

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	105-60-2	CAPROLACTAM	15 95	38	JN

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596228

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E10

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2.0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 6

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U J
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

G106

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596228

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E10

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 6

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UR
100-02-7	4-Nitrophenol	25	UR
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	2 ~~10~~ 2	JB
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	UR
534-52-1	4,6-Dinitro-2-methylphenol	25	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	UJ
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	28	
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	UJ
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

G106

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596228

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E10

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/30/95

Injection Volume 2.0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 6 6

Number TICs found 2

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN	28 40	5	J
2	UNKNOWN	30 67	13	J

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

S101

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596229

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E09

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	UJ
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	UJ
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	UJ
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

S101

) Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596229

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E09

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UR
100-02-7	4-Nitrophenol	25	UR
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	4	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	UR
534-52-1	4,6-Dinitro-2-methylphenol	25	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	UJ
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	UJ
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

S101

ɔ Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596229

Sample wt/vol 1000 (g/mL) ML Lab File ID· B1129E09

Level (low/med) LOW Date Received· 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

Number TICs found 1

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN ALIP KETONE	14 17	8	BAJ

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

S102

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID. D596230

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E07

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U J
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

S102

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596230

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E07

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U R
100-02-7	4-Nitrophenol	25	U R
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	U R
534-52-1	4,6-Dinitro-2-methylphenol	25	U J
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U J
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U J
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U J
53-70-3	Dibenz(a,h)Anthracene	10	U J
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

S102

b Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596230

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E07

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

Number TICs found 0

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S103

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596231

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E06

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U J
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

S103

) Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596231

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E06

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	U R
100-02-7	4-Nitrophenol	25	U R
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	3	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	U R
534-52-1	4,6-Dinitro-2-methylphenol	25	U J
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U J
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U J
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	9	J
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	U J
53-70-3	Dibenz(a,h)Anthracene	10	U J
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

S103

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596231

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E06

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

Number TICs found 1

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN ALIP KETONE	14 18	7	BAJ

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

S104

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596232

Sample wt/vol 1000 (g/mL) ML Lab File ID: B1129E04

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted. 11/25/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U J
83-32-9	Acenaphthene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

S104

b Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596232

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E04

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/25/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UR
100-02-7	4-Nitrophenol	25	UR
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	UR
534-52-1	4,6-Dinitro-2-methylphenol	25	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	UJ
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	10	U
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	UJ
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

S104

Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596232

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E04

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/25/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

Number TICs found 5

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN TRICHLORO PROPENE	10 40	30	BJ
2	UNKNOWN ALIP HYDROCARBON	14 15	91	BJ
3	UNKNOWN	14 25	13	BJ
4 1541-20-4	BI-2-CYCLOHEXEN-1-YL	17 22	12	JN~~B~~U
5	UNKNOWN	21 42	6	BJ

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

S105

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596233

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E08

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)Ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U J
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-Propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	bis(2-Chloroethoxy)Methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U J
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-Methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U J
83-32-9	Acenaphthene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

S105

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596233

Sample wt/vol 1000 (g/mL) ML Lab File ID B1129E08

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

CAS NO	COMPOUND	CONCENTRATION UNITS (ug/L or ug/Kg) UG/L	Q
51-28-5	2,4-Dinitrophenol	25	UR
100-02-7	4-Nitrophenol	25	UR
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-10-6	4-Nitroaniline	25	UR
534-52-1	4,6-Dinitro-2-methylphenol	25	UJ
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	UJ
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-Butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	UJ
56-55-3	Benzo(a)Anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)Phthalate	2	J
117-84-0	Di-n-Octyl Phthalate	10	U
205-99-2	Benzo(b)Fluoranthene	10	U
207-08-9	Benzo(k)Fluoranthene	10	U
50-32-8	Benzo(a)Pyrene	10	U
193-39-5	Indeno(1,2,3-cd)Pyrene	10	UJ
53-70-3	Dibenz(a,h)Anthracene	10	UJ
191-24-2	Benzo(g,h,i)Perylene	10	U

(1) - Cannot be separated from Diphenylamine

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO

S105

Lab Name ILLINOIS EPA Contract 0850200020

Lab Code SPFLD Case No DAVIE2 SAS No _____ SDG No 596223

Matrix (soil/water) WATER Lab Sample ID D596233

Sample wt/vol 1000 (g/mL) ML Lab File ID: B1129E08

Level (low/med) LOW Date Received 11/21/95

% Moisture _____ decanted (Y/N) ___ Date Extracted 11/24/95

Concentrated Extract Volume 1000 (uL) Date Analyzed 11/29/95

Injection Volume 2 0 (uL) Dilution Factor 1 0

GPC Cleanup (Y/N) N pH 7 8

Number TICs found 1

CONCENTRATION UNITS
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST CONC	Q
1	UNKNOWN ALIP KETONE	14 18	8	BAJ

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G101

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596223

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G102

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596224

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.025	JP
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G103

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596225

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.1 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G104

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596226

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7 4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.0074	JP
1024-57-3	Heptachlor epoxide	0.017	JP
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.067	J
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.0086	JP
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.025	JP
5103-71-9	alpha-Chlordane	0.015	JP
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G105

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596227

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1 0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

G106

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596228

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.6 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0 050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S101

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596229

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1 00

GPC Cleanup: (Y/N) N pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS. (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S102

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596230

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S103

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596231

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1 0	U
11097-69-1	Aroclor-1254	1 0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S104

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596232

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S105

Lab Name: ILLINOIS EPA Contract: 0850200020

Lab Code: SPFLD Case No.: DAVIE2 SAS No.: _____ SDG No.: 596223

Matrix: (soil/water) WATER Lab Sample ID: D596233

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 11/22/95

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/22/95

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 11/30/95

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.8 Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0 050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC (Lindane)	0.050	U
76-44-8	Heptachlor	0 050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.050	U
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
50-29-3	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-36-3	Endrin aldehyde	0.10	U
5103-71-9	alpha-Chlordane	0.050	U
5103-74-2	gamma-Chlordane	0.050	U
8001-35-2	Toxaphene	5.0	U
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

SOC DATA VALIDATION FOR CLP

IEPA Number 6201

Laboratory Number D596215

Date of Collection 11/20/95

Site ~~St Louis~~ Jo Davies cmc 1/11/95

Date of Receipt 11/22/95

SOCs only

METHOD 504	Y	N	N/A
Holding times for collection to analysis meet criteria	✓		
Holding times for extraction to analysis meet criteria	✓		
Calibration standards meet criteria	✓		
Surrogate recoveries meet criteria			✓
Matrix spike recoveries meet criteria			✓
Laboratory fortified blanks meet criteria	✓		
Laboratory blanks meet criteria	✓		

Initials and date of analyst [illegible] 11-27-95

Initials and date of reviewer [illegible] 1/4/96

Please explain any "no" answer

METHOD 508	Y	N	N/A
Holding times for collection to analysis meet criteria	✓		
Holding times for extraction to analysis meet criteria	✓		
Calibration standards meet criteria	✓		
Surrogate recoveries meet criteria	✓		
Matrix spike recoveries meet criteria	✓		
Laboratory fortified blanks meet criteria	✓		
Laboratory blanks meet criteria	✓		

Initials and date of analyst JTS 1-11-96

Initials and date of reviewer cmc 1/11/96

Please explain any "no" answer

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METHOD 515	Y	N	N/A
Holding times for collection to analysis meet criteria	✓		
Holding times for extraction to analysis meet criteria	✓		
Calibration standards meet criteria	✓		
Surrogate recoveries meet criteria	✓		
Matrix spike recoveries meet criteria	✓		
Laboratory fortified blanks meet criteria	✓		
Laboratory blanks meet criteria	✓		

Initials and date of analyst JTS 1-11-96
Initials and date of reviewer CMC 1/11/96
Please explain any "no" answer

METHOD 525	Y	N	N/A
Holding times for collection to analysis meet criteria	✓		
Holding times for extraction to analysis meet criteria	✓		
Calibration standards meet criteria	✓		
Surrogate recoveries meet criteria	RB 1-12-96 ✓	✓	
Matrix spike recoveries meet criteria	✓		
Laboratory fortified blanks meet criteria	✓		
Laboratory blanks meet criteria	✓		

Initials and date of analyst DR 1-17-96
Initials and date of reviewer RB 1-12-96
Please explain any "no" answer

Surrogate recoveries were not met. Surrogates were not added before extraction.

METHOD 531	Y	N	N/A
Holding times for collection to analysis meet criteria	✓		
Holding times for extraction to analysis meet criteria	✓		
Calibration standards meet criteria	✓		
Surrogate recoveries meet criteria			✓
Matrix spike recoveries meet criteria	✓		
Laboratory fortified blanks meet criteria	✓		
Laboratory blanks meet criteria	✓		

Initials and date of analyst AB 1-12-96
Initials and date of reviewer cmc 1/22/96
Please explain any "no" answer

METHOD 547	Y	N	N/A
Holding times for collection to analysis meet criteria	✓		
Holding times for extraction to analysis meet criteria			✓
Calibration standards meet criteria	✓		
Surrogate recoveries meet criteria			✓
Matrix spike recoveries meet criteria	✓		
Laboratory fortified blanks meet criteria	✓		
Laboratory blanks meet criteria	✓		

Initials and date of analyst VC 1/19/96
Initials and date of reviewer cmc 1/22/96
Please explain any "no" answer

METHOD 548	Y	N	N/A
Holding times for collection to analysis meet criteria	✓		
Holding times for extraction to analysis meet criteria	✓		
Calibration standards meet criteria	✓		
Surrogate recoveries meet criteria	✓		
Matrix spike recoveries meet criteria	✓		
Laboratory fortified blanks meet criteria			✓
Laboratory blanks meet criteria	✓		

Initials and date of analyst SJB 1-17-96

Initials and date of reviewer PLK 1-17-96

Please explain any "no" answer

Above criteria checked for Method 549- Diquat

YK 1/22/96

CMC 1/23/96

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D596215
SAMPLING POINT DESC. : G201/JO DAVIES/ROCKFORD,JO DAVIES F/S

SUBMITTING SOURCE # : SITE # : 0850200020
DATE COLLECTED : 951120 TIME COLLECTED : 1435 SAMPLING PROGRAM :

COLLECTED BY : BRAD DELIVERED BY : B.E.
COMMENTS : SOCS
FUNDING CODE : LC01 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR : B

DATE RECEIVED : 951122 TIME RECEIVED : 0815 RECEIVED BY : GLS
LAB OBSERVATIONS : 8 L/2-40-ML/1 L PLAS TRIP BL SAM# : D596216
SUPERVISORS INITIALS : GLG NOTE : K = LESS THAN VALUE

P81522	ETHYLENE DIBROMIDE (EDB)	(MCL 0.05)	UG/L	: 0.04K
P38437	1,2-DIBROMO-3-CHLOROPROPANE	(MCL 0.2)	UG/L	: 0.02K
P39400	TOXAPHENE	(MCL 3.0)	UG/L	: 1.0K
P39516	TOTAL PCB	(MCL 0.5)	UG/L	: 0.4K
P39730	2,4-D	(MCL 70)	UG/L	: 7.0K
P39032	PENTACHLOROPHENOL (PCP)	(MCL 1.0)	UG/L	: 0.1K
P 760	2,4,5-TP (SILVEX)	(MCL 50)	UG/L	: 5.0K
P 200	DALAPON	(MCL 200)	UG/L	: 20K
P38442	DICAMBA		UG/L	: 0.25K
P30191	DINOSEB	(MCL 7.0)	UG/L	: 0.7K
P39720	PICLORAM	(MCL 500)	UG/L	: 50K
P79193	ACIFLUORFEN		UG/L	: 0.5K
P70017	HEXACHLOROCYCLOPENTADIENE	(MCL 50)	UG/L	: 5.0K
P30295	PROPACHLOR		UG/L	: 0.5K
P81284	TRIFLURALIN (TREFLAN)		UG/L	: 0.05K
P39700	HEXACHLOROBENZENE	(MCL 1.0)	UG/L	: 0.1K
P39055	SIMAZINE	(MCL 4.0)	UG/L	: 0.4K
P39630	ATRAZINE	(MCL 3.0)	UG/L	: 0.3K
P39340	LINDANE	(MCL 0.2)	UG/L	: 0.02K
P81408	METRIBUZIN		UG/L	: 0.1K
P77825	ALACHLOR	(MCL 2.0)	UG/L	: 0.2K
P39410	HEPTACHLOR	(MCL 0.1)	UG/L	: 0.04K
P39356	METOLACHLOR		UG/L	: 0.25K
P81757	CYANAZINE		UG/L	: 0.5K
P39770	DACTHAL		UG/L	: 0.5K
P39330	ALDRIN	(MCL 1.0)	UG/L	: 0.05K
P[illegible]20	HEPTACHLOR EPOXIDE	(MCL 0.1)	UG/L	: 0.02K
P[illegible]50	CHLORDANE	(MCL 2.0)	UG/L	: 0.2K
P77860	BUTACHLOR		UG/L	: 0.5K

SAMPLE NUMBER : 0596215

P39370	TOTAL DDT	(MCL 50)	UG/L	: 1.0K
P39380	DIELDRIN	(MCL 1.0)	UG/L	: 0.05K
P39390	ENDRIN	(MCL 2.0)	UG/L	: 0.2K
P77903	DI(2-ETHYLHEXYL)ADIPATE	(MCL 400)	UG/L	: 40K
P39480	METHOXYCHLOR	(MCL 40)	UG/L	: 4.0K
P39107	DI(2-ETHYLHEXYL)PHTHALATE	(MCL 6.0)	UG/L	: 0.60K
P34247	BENZO(A)PYRENE	(MCL 0.2)	UG/L	: 0.02K
P49259	ACETOCHLOR		UG/L	: 1.0K
P39053	ALDICARB	(MCL 3.0)	UG/L	: 0.7K
P82587	ALDICARB SULFONE	(MCL 2.0)	UG/L	: 0.7K
P82586	ALDICARB SULFOXIDE	(MCL 4.0)	UG/L	: 0.7K
P81405	CARBOFURAN	(MCL 40)	UG/L	: 4.0K
P77700	CARBARYL		UG/L	: 1.0K
P82584	3-HYDROXYCARBOFURAN		UG/L	: 1.0K
P39501	METHOMYL		UG/L	: 1.0K
P82613	OXAMYL	(MCL 200)	UG/L	: 20K
P38926	ENDOTHALL	(MCL 100)	UG/L	: 10K
P78885	DIQUAT	(MCL 20)	UG/L	: 2.0K

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D596216
SAMPLING POINT DESC. : BLANK/D596215

SUBMITTING SOURCE # : SITE # : 0850200020
DATE COLLECTED : 951120 TIME COLLECTED : 1435 SAMPLING PROGRAM :

COLLECTED BY : BRAD DELIVERED BY : B.E.
COMMENTS : SOCS/BLANK
FUNDING CODE : LC01 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 8 REPORTING INDICATOR : B

DATE RECEIVED : 951122 TIME RECEIVED : 0815 RECEIVED BY : GLS
LAB OBSERVATIONS : 1-40-ML BLANK TRIP BL SAM# :
SUPERVISORS INITIALS : GLG NOTE : K = LESS THAN VALUE

: BLANK NOT ANALYZED

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : 0596217
SAMPLING POINT DESC. : G201/JO DAVIES/ROCKFORD,JO DAVIES F/S

SUBMITTING SOURCE # : SITE # : 0850200020
DATE COLLECTED : 951120 TIME COLLECTED : 1435 SAMPLING PROGRAM :

COLLECTED BY : BRAD DELIVERED BY : B.E.
COMMENTS : VOC/CLP
FUNDING CODE : LC01 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR : B

DATE RECEIVED : 951122 TIME RECEIVED : 0815 RECEIVED BY : GLS
LAB OBSERVATIONS : 2-40-ML VOC CLP TRIP BL SAM# : 0596213
SUPERVISORS INITIALS : GLG NOTE : K = LESS THAN VALUE

P32106	CHLOROFORM	UG/L	: 1.0K
P32101	DICHLOROBROMOMETHANE	UG/L	: 1.0K
P32105	CHLORODIBROMOMETHANE	UG/L	: 1.0K
P32104	BROMOFORM	UG/L	: 1.0K
P34423	METHYLENE CHLORIDE	UG/L	: 1.0K
P34501	1,1-DICHLOROETHYLENE	UG/L	: 1.0K
P34496	1,1-DICHLOROETHANE	UG/L	: 1.0K
P34546	TRANS-1,2-DICHLOROETHYLENE	UG/L	: 1.0K
P34531	1,2-DICHLOROETHANE	UG/L	: 1.0K
P34506	1,1,1-TRICHLOROETHANE	UG/L	: 1.0K
P32102	CARBON TETRACHLORIDE	UG/L	: 1.0K
P39180	TRICHLOROETHYLENE	UG/L	: 1.0K
P34475	TETRACHLOROETHYLENE	UG/L	: 1.0K
P34301	CHLOROBENZENE	UG/L	: 1.0K
P34716	DICHLOROBENZENE(TOTAL)	UG/L	: 1.0K
P78124	BENZENE	UG/L	: 1.0K
P78131	TOLUENE	UG/L	: 1.0K
P78113	ETHYLBENZENE	UG/L	: 1.0K
P81551	XYLENES	UG/L	: 1.0K
P77093	CIS-1,2-DICHLOROETHYLENE	UG/L	: 1.0K

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D596218
SAMPLING POINT DESC. : BLANK/D596217

SUBMITTING SOURCE # : SITE # : 0850200020
DATE COLLECTED : 951120 TIME COLLECTED : 1435 SAMPLING PROGRAM :

COLLECTED BY : BRAD DELIVERED BY : B.E.
COMMENTS : VOC/BLANK
FUNDING CODE : LC01 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 8 REPORTING INDICATOR : 8

DATE RECEIVED : 951122 TIME RECEIVED : 0815 RECEIVED BY : GLS
LAB OBSERVATIONS : 1-40-ML BLANK TRIP BL SAM# :
SUPERVISORS INITIALS : GLG NOTE : K = LESS THAN VALUE

: LABORATORY ACCIDENT RESULTED IN
: INABILITY TO COMPLETE ANALYSIS.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D596219
SAMPLING POINT DESC. : G202/JO DAVIES/ROCKFORD,JO DAVIES F/S

SUBMITTING SOURCE # : SITE # : 0850200020
DATE COLLECTED : 951120 TIME COLLECTED : 1435 SAMPLING PROGRAM :

COLLECTED BY : BRAD DELIVERED BY : B.E.
COMMENTS : SOCS/ *1A REC'D BROKEN
FUNDING CODE : LC01 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR : 3

DATE RECEIVED : 951122 TIME RECEIVED : 0815 RECEIVED BY : GLS
LAB OBSERVATIONS : 8 L/1-40-ML/1 L PLAS TRIP BL SAM# : D596220
SUPERVISORS INITIALS : GLG NOTE : K = LESS THAN VALUE

P81522	ETHYLENE DIBROMIDE (EDB)	(MCL 0.05)	UG/L	: 0.04K
P38437	1,2-DIBROMO-3-CHLOROPROPANE	(MCL 0.2)	UG/L	: 0.02K
P39400	TOXAPHENE	(MCL 3.0)	UG/L	: 1.0K
P39516	TOTAL PCB	(MCL 0.5)	UG/L	: 0.4K
P39730	2,4-D	(MCL 70)	UG/L	: 7.0K
P39032	PENTACHLOROPHENOL (PCP)	(MCL 1.0)	UG/L	: 0.1K
760	2,4,5-TP (SILVEX)	(MCL 50)	UG/L	: 5.0K
P30200	DALAPON	(MCL 200)	UG/L	: 20K
P38442	DICAMBA		UG/L	: 0.25K
P30191	DINOSEB	(MCL 7.0)	UG/L	: 0.7K
P39720	PICLORAM	(MCL 500)	UG/L	: 50K
P79193	ACIFLUORFEN		UG/L	: 0.5K
P70017	HEXACHLOROCYCLOPENTADIENE	(MCL 50)	UG/L	: 5.0K
P30295	PROPACHLOR		UG/L	: 0.5K
P81284	TRIFLURALIN (TREFLAN)		UG/L	: 0.05K
P39700	HEXACHLOROBENZENE	(MCL 1.0)	UG/L	: 0.1K
P39055	SIMAZINE	(MCL 4.0)	UG/L	: 0.4K
P39630	ATRAZINE	(MCL 3.0)	UG/L	: 0.3K
P39340	LINDANE	(MCL 0.2)	UG/L	: 0.02K
P81408	METRIBUZIN		UG/L	: 0.1K
P77825	ALACHLOR	(MCL 2.0)	UG/L	: 0.2K
P39410	HEPTACHLOR	(MCL 0.1)	UG/L	: 0.04K
P39356	METOLACHLOR		UG/L	: 0.25K
P81757	CYANAZINE		UG/L	: 0.5K
P39770	DACTHAL		UG/L	: 0.5K
P39330	ALDRIN	(MCL 1.0)	UG/L	: 0.05K
P 420	HEPTACHLOR EPOXIDE	(MCL 0.1)	UG/L	: 0.02K
P 350	CHLORDANE	(MCL 2.0)	UG/L	: 0.2K
P77860	BUTACHLOR		UG/L	: 0.5K

SA LE NUMBER : D596219

P39370	TOTAL DDT	(MCL 50)	UG/L :	1.0K
P39380	DIELDRIN	(MCL 1.0)	UG/L :	0.05K
P39390	ENDRIN	(MCL 2.0)	UG/L :	0.2K
P77903	DI(2-ETHYLHEXYL)ADIPATE	(MCL 400)	UG/L :	40K
P39480	METHOXYCHLOR	(MCL 40)	UG/L :	4.0K
P39107	DI(2-ETHYLHEXYL)PHTHALATE	(MCL 6.0)	UG/L :	0.60K
P34247	BENZO(A)PYRENE	(MCL 0.2)	UG/L :	0.02K
P49259	ACETOCHLOR		UG/L :	1.0K
P39053	ALDICARB	(MCL 3.0)	UG/L :	0.7K
P82587	ALDICARB SULFONE	(MCL 2.0)	UG/L :	0.7K
P82586	ALDICARB SULFOXIDE	(MCL 4.0)	UG/L :	0.7K
P81405	CARBOFURAN	(MCL 40)	UG/L :	4.0K
P77700	CARBARYL		UG/L :	1.0K
P82584	3-HYDROXYCARBOFURAN		UG/L :	1.0K
P39501	METHOMYL		UG/L :	1.0K
P82613	OXAMYL	(MCL 200)	UG/L :	20K
P38926	ENDOTHALL	(MCL 100)	UG/L :	10K
P78885	DIQUAT	(MCL 20)	UG/L :	2.0K

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D596220
SAMPLING POINT DESC. : BLANK/D596219

SUBMITTING SOURCE # : SITE # : 0850200020
DATE COLLECTED : 951120 TIME COLLECTED : 1435 SAMPLING PROGRAM :

COLLECTED BY : BRAD DELIVERED BY : B.E.
COMMENTS : SOCS/BLANK
FUNDING CODE : LC01 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 8 REPORTING INDICATOR : B

DATE RECEIVED : 951122 TIME RECEIVED : 0815 RECEIVED BY : GLS
LAB OBSERVATIONS : 2-40-ML BLANK TRIP BL SAM# :
SUPERVISORS INITIALS : GLG NOTE : K = LESS THAN VALUE

: BLANK NOT ANALYZED

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : D596221
SAMPLING POINT DESC. : G202/JO DAVIES/ROCKFORD,JO DAVIS F/S

SUBMITTING SOURCE # : SITE # : 0850200020
DATE COLLECTED : 951120 TIME COLLECTED : 1435 SAMPLING PROGRAM :

COLLECTED BY : BRAD DELIVERED BY : B.E.
COMMENTS : VOC CLP
FUNDING CODE : LC01 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 4 REPORTING INDICATOR : B

DATE RECEIVED : 951122 TIME RECEIVED : 0815 RECEIVED BY : GLS
LAB OBSERVATIONS : 2-40-ML VOC CLP TRIP BL SAM# : D596222
SUPERVISORS INITIALS : GLG NOTE : K = LESS THAN VALUE

P32106	CHLOROFORM	UG/L	: 1.0K
P32101	DICHLOROBROMOMETHANE	UG/L	: 1.0K
P32105	CHLORODIBROMOMETHANE	UG/L	: 1.0K
P32104	BROMOFORM	UG/L	: 1.0K
P34423	METHYLENE CHLORIDE	UG/L	: 1.0K
P34501	1,1-DICHLOROETHYLENE	UG/L	: 1.0K
496	1,1-DICHLOROETHANE	UG/L	: 1.0K
P34546	TRANS-1,2-DICHLOROETHYLENE	UG/L	: 1.0K
P34531	1,2-DICHLOROETHANE	UG/L	: 1.0K
P34506	1,1,1-TRICHLOROETHANE	UG/L	: 1.0K
P32102	CARBON TETRACHLORIDE	UG/L	: 1.0K
P39180	TRICHLOROETHYLENE	UG/L	: 1.0K
P34475	TETRACHLOROETHYLENE	UG/L	: 1.0K
P34301	CHLOROBENZENE	UG/L	: 1.0K
P34716	DICHLOROBENZENE(TOTAL)	UG/L	: 1.0K
P78124	BENZENE	UG/L	: 1.0K
P78131	TOLUENE	UG/L	: 1.0K
P78113	ETHYLBENZENE	UG/L	: 1.0K
P81551	XYLENES	UG/L	: 1.0K
P77093	CIS-1,2-DICHLOROETHYLENE	UG/L	: 1.0K

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

SAMPLE NUMBER : 0596222
SAMPLING POINT DESC. : BLANK/0596221

SUBMITTING SOURCE # : SITE # : 0850200020
DATE COLLECTED : 951120 TIME COLLECTED : 1435 SAMPLING PROGRAM :

COLLECTED BY : BRAD DELIVERED BY : B.E.
COMMENTS : VOC CLP BLANK
FUNDING CODE : LC01 AGENCY ROUTING : -- UNIT CODE :
SAM TYPE CODE : SAMPLE PURPOSE CODE : 8 REPORTING INDICATOR : B

DATE RECEIVED : 951122 TIME RECEIVED : 0815 RECEIVED BY : GLS
LAB OBSERVATIONS : 1-40-ML CLP BLANK TRIP BL SAM# :
SUPERVISORS INITIALS : GLG NOTE : K = LESS THAN VALUE

: LABORATORY ACCIDENT RESULTED IN
: INABILITY TO COMPLETE ANALYSIS.