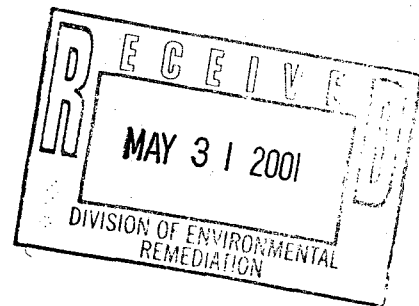


Exhibit I
Analytical Data for
Pre-Design Soil and
Additional Groundwater
Investigation

Volume II of III



Niagara Mohawk Power Corporation
North Albany Service Center
Albany, New York

May 2001

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

DATA REVIEW FOR

NMPC
NORTH ALBANY

SDG# L65579

VOLATILE, SEMIVOLATILE
AND INORGANIC ANALYSES

Analyses performed by:

Galson Laboratories
East Syracuse, New York

Review performed by:

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Blasland, Bouck & Lee, Inc.
Syracuse, New York

Summary

The following is an assessment of the data package for SDG# L65579 for sampling at the NMPC- North Albany site. Included with this assessment are the data review check sheets used in the review of the package and corrected sample results. Analyses were performed on the following samples:

Sample ID	Lab ID	Matrix	Sample Date	Analysis				
				VOA	BNA	PCB	TAL	TAL-F
MW-18S	L65579-1	water	11/9/00	x	x		x	
MW-22D	L65579-2	water	11/9/00	x	x		x	
MW-23S	L65579-3	water	11/9/00	x	x		x	
MW-24S	L65579-4	water	11/9/00	x	x		x	
TRIP BLANK 1	L65579-5	water	--	x				
MW-25S	L65623-1	water	11/10/00	x	x		x	
PZ-1D	L65623-2	water	11/10/00	x	x		x	
PZ-1S	L65623-3	water	11/10/00	x	x		x	
TRIP BLANK 2	L65623-4	water	--	x				
MW-26D	L65721-1	water	11/13/00	x	x		x	
MW-27S	L65721-2	water	11/13/00	x	x		x	
MW-27D	L65721-3	water	11/13/00	x	x		x	
MW-DUP-3	L65721-4	water	11/13/00		x		x	
TRIP BLANK 3	L65721-5	water	--	x				
MW-02	L65768-1	water	11/14/00	x	x		x	
MW-09*	L65768-2	water	11/14/00	x	x		x	
MW-04	L65768-5/8	water	11/14/00	x	x		x	x
MW-DUP-4	L65768-7	water	11/14/00	x				
TRIP BLANK 4	L65768-6	water	--	x				
MW-28D	L65835-1	water	11/15/00	x	x		x	
MW-28S	L65835-2/3	water	11/15/00	x	x		x	x
MW-11	L65835-4	water	11/15/00	x	x		x	
PZ-02	L65835-5	water	11/15/00	x	x		x	
TRIP BLANK 5	L65835-6	water	--	x				
MW-26S	L65888-1	water	11/16/00	x	x		x	
TRIP BLANK 6	L65888-2	water	--	x				

* MS/MSD/DUP analysis performed on sample.

VOLATILE ANALYSES

Introduction

Analyses were performed according to USEPA SW-846 Method 8260 as referenced in NYSDEC-ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding time for volatile analyses under NYSASP is 10 days from sample receipt. The technical holding time for unpreserved waters is 7 days from sample collection.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, trip, field, and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure contamination of samples during shipment. Field and rinse blanks measure contamination of samples during field operations.

Acetone and methylene chloride were detected in the method blanks and methylene chloride was detected in the trip blanks. Based on the blank content, data for acetone has been qualified as undetected in sample *MW-25S*.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) limits for select compounds only and allows two outliers. A technical review of the data applies limits to all compounds with no exceptions.

The %RSD were less than 30% and the response factors were greater than 0.05 for all compounds, with the following exception:

Instrument MSB	10/18/00
Bromomethane	31.2%

Data for bromomethane have been qualified as estimated in the associated samples *MW-25S*, *PZ-1D*, *PZ-1D*, *MW-18S*, *MW-22D1*, *MW-23S*, *MW-24S*, *MW-27D*, *TRIP BLANK 1*, *TRIP BLANK 2* and *TRIP BLANK 3* based on the %RSD.

4.2 Continuing Calibration

The method species percent drift (%D) criteria for select compounds only. A technical review applies limits to all compounds with no exceptions.

The response for several compounds in the continuing calibration standards were outside 25% difference (%D) of the initial calibration, as summarized on the attached calibration summary sheets. All positive data for compounds with increasing response factors and all data for compounds with decreasing responses (designated as negative values) have been qualified as estimated in the associated samples based on the %D.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every experimental run.

All internal standard responses and retention times were within established limits.

7. Compound Identification

Compounds are identified on the GC/MS by using the analyte's relative retention time and ion spectra.

All identified compounds met the specified criteria.

Several semivolatile target and non-target compounds were included among the tentatively identified compounds listed as present in the samples. Since the measurement of these compounds is better suited to the semivolatile analyses, their presence in this fraction has been rejected.

8. Matrix Spike/Matrix Spike Duplicate

Matrix spike and matrix spike duplicate data are used to assess the precision and accuracy of the analytical method.

All matrix spike and matrix spike duplicate recoveries and relative percent differences between recoveries were within control limits.

9. Matrix Spike Blank

All matrix spike blank recoveries were within control limits.

10. Field Duplicates

Results for the duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-09 / MW-DUP-4	ND	--	--	NA

ND Not detected.

NA Analyte not detected in sample and/or duplicate. RPD not applicable.

The duplicate results are acceptable.

11. General Comments

Samples *MW-18S*, *MW-22D*, *MW-23S*, *MW-24S*, *MW-25S*, *MW-27D*, *PZ-1D*, *PZ-1S*, *TRIP BLANK 1*, *TRIP BLANK 2*, *TRIP BLANK 3* and *TRIP BLANK 4* were analyzed at elevated rather than the method specified ambient temperatures. All data for these samples have been qualified as estimated based on the method non-compliance.

The temperatures of the samples collected on 11/9, 11/10 and 11/13/00 were outside control control when received at the laboratory (8.1, 8.9 and 6.8°C, respectively). Since the deviations were minor, no data have been qualified based on the temperature excursions.

12. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checksheets

Volatile Organics Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?	<u> </u>	<u> X </u>	<u> </u>
Is there a narrative or cover letter present?	<u> X </u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> </u>	<u> X </u>	<u> </u>
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> X </u>	<u> </u>	<u> </u>
<u>Holding Times</u>			
Have any holding times been exceeded?	<u> </u>	<u> X </u>	<u> </u>
<u>Surrogate Recovery</u>			
Are surrogate recovery forms present?	<u> X </u>	<u> </u>	<u> </u>
Are all the samples listed on the appropriate surrogate recovery form?	<u> X </u>	<u> </u>	<u> </u>
Was one or more surrogate recoveries outside of specified limits for any sample or blank?	<u> </u>	<u> X </u>	<u> </u>
If yes, were the samples reanalyzed?	<u> </u>	<u> </u>	<u> X </u>
Are there any transcription/calculation errors between the raw data and the summary form?	<u> </u>	<u> X </u>	<u> </u>
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>	<u> </u>	<u> </u>
Were matrix spikes analyzed at the required frequency?	<u> X </u>	<u> </u>	<u> </u>
How many spike recoveries were outside of QC limits?			
<u> 0 </u> out of <u> 10 </u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
<u> 0 </u> out of <u> 5 </u>			
<u>Blanks</u>			
Is a method blank summary form present?	<u> X </u>	<u> </u>	<u> </u>
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u> X </u>	<u> </u>	<u> </u>
Has a blank been analyzed at least once every twelve hours for each system used?	<u> X </u>	<u> </u>	<u> </u>
Do any method/reagent/instrument blanks have positive results?	<u> X </u>	<u> </u>	<u> </u>

Volatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
Are there trip/field/rinse blanks associated with every sample?	<u>X</u>	<u> </u>	<u> </u>
Do any trip/field/rinse blanks have positive results?	<u>X</u>	<u> </u>	<u> </u>
<u>Tuning and Mass Calibration</u>			
Are the GC/MS tuning forms present for BFB?	<u>X</u>	<u> </u>	<u> </u>
Are the bar graph spectrum and mass/charge listing provided for each BFB?	<u>X</u>	<u> </u>	<u> </u>
Has a BFB been analyzed for each twelve hours of analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
Have the ion abundance criteria been met for each instrument used?	<u>X</u>	<u> </u>	<u> </u>
<u>Target Analytes</u>			
Is an organics analysis data sheet present for each of the following:			
Samples	<u>X</u>	<u> </u>	<u> </u>
Matrix spikes	<u>X</u>	<u> </u>	<u> </u>
Blanks	<u>X</u>	<u> </u>	<u> </u>
Are the reconstructed ion chromatograms present for each of the following:			
Samples	<u>X</u>	<u> </u>	<u> </u>
Matrix spikes	<u>X</u>	<u> </u>	<u> </u>
Blanks	<u>X</u>	<u> </u>	<u> </u>
Is the chromatographic performance acceptable?	<u>X</u>	<u> </u>	<u> </u>
Are the mass spectra of the identified compounds present?	<u>X</u>	<u> </u>	<u> </u>
Are all ions present in the standard mass spectrum at a relative intensity of 10% or greater also present in the sample spectrum?	<u>X</u>	<u> </u>	<u> </u>
Do the samples and standard relative ion intensities agree within 20%?	<u>X</u>	<u> </u>	<u> </u>
<u>Tentatively Identified Compounds</u>			
Are all the TIC summary forms present?	<u>X</u>	<u> </u>	<u> </u>
Are the mass spectra for the tentatively identified compounds and their associated "best match" spectra present?	<u>X</u>	<u> </u>	<u> </u>
Are any target compounds listed as TICs?	<u>X</u>	<u> </u>	<u> </u>

Volatile Organics Data Validation Checklist - Page 3

	YES	NO	NA
Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u>X</u>	<u> </u>	<u> </u>
Do the TIC and "best match" spectrum agree within 20%?	<u>X</u>	<u> </u>	<u> </u>
<u>Quantitation and Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	<u> </u>	<u>X</u>	<u> </u>
Are the reporting limits adjusted to reflect sample dilutions and, for soils, sample moisture?	<u>X</u>	<u> </u>	<u> </u>
<u>Standard Data</u>			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	<u>X</u>	<u> </u>	<u> </u>
<u>Initial Calibration</u>			
Are the initial calibration forms present for each instrument used?	<u>X</u>	<u> </u>	<u> </u>
Are the response factor RSDs within acceptable limits?	<u> </u>	<u>X</u>	<u> </u>
Are the average RRFs equal to or greater than minimum requirements?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting the RRFs or RSDs?	<u> </u>	<u>X</u>	<u> </u>
<u>Continuing Calibration</u>			
Are the continuing calibration forms present for each day and each instrument?	<u>X</u>	<u> </u>	<u> </u>
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
All %D within acceptable limits?	<u> </u>	<u>X</u>	<u> </u>
Are all RF equal to or greater than minimum requirements?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting of RF or %D?	<u> </u>	<u>X</u>	<u> </u>
<u>Internal Standards</u>			
Are internal standard areas of every sample and blank within the upper and lower limits for each continuing calibration?	<u>X</u>	<u> </u>	<u> </u>
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	<u>X</u>	<u> </u>	<u> </u>

Volatile Qualifier Summary
Holding Time, Surrogates, Internal Standards

Sample ID	Holding Time*	Surrogates*			Internal Standards*		
		TOL	BFB	DCE	DFB	CBZ	DCB
MW-18S							
MW-18SDL							
MW-22D							
MW-23S							
MW-23SDL							
MW-24S							
TRIP BLANK 1							
MW-25S							
PZ-1D							
PZ-1S							
TRIP BLANK 2							
MW-26D							
MW-27S							
MW-27SDL							
MW-27D							
TRIP BLANK 3							
MW-02							
MW-02DL							
MW-09							
MW-09MS							
MW-09MSD							
MW-04							
MW-DUP-4							
TRIP BLANK 4							
MW-28D							
MW-28S							
MW-11							
PZ-02							
TRIP BLANK 5							
MW-26S							
TRIP BLANK 6							

Volatile Organics Data Validation Checklist - Page 4

	YES	NO	NA
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u> X </u>	<u> </u>	<u> </u>

Surrogates:

TOL Toluene-d8
BFB Bromofluorobenzene
DCE 1,4-Dichloroethane-d4

Internal Standards:

DFB 1,4-Difluorobenzene
DCB 1,4-Dichlorobenzene-d4
CBZ Chlorobenzene-d5

Qualifiers:

D Diluted
↑ Recovery high
↓ Recovery low
↓↓ Recovery <25%

* Unless otherwise specified, all parameters are within acceptable limits.

Volatile Calibration Outliers

Instrument: MSB

Matrix: water

Level: low

Date/Time	10/18/00		11/14/00 1103		11/14/00 1922					
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
chloromethane										
bromomethane		31.2		-26.4		-32.8				
vinyl chloride										
chloroethane										
methylene chloride										
acetone				37.7		31.2				
carbon disulfide										
1,1-dichloroethene						34.0				
1,1-dichloroethane										
1,2-dichloroethene (total)										
methyltertbutylether										
chloroform										
1,2-dichloroethane										
2-butanone				29.2		55.7				
1,1,1-trichloroethane										
carbon tetrachloride						-29.0				
vinyl acetate										
bromodichloromethane										
1,2-dichloropropane						26.6				
cis-1,3-dichloropropane										
trichloroethene										
dibromochloromethane										
1,1,2-trichloroethane										
benzene										
trans-1,3-dichloropropane										
bromoform										
4-methyl-2-pentanone				41.2		35.6				
2-hexanone				42.8		46.9				
tetrachloroethene										
1,1,1,2-tetrachloroethane						25.5				
toluene										
chlorobenzene										
ethylbenzene										

Volatile Calibration Outliers - Page 2

Date/Time	10/18/00		11/14/00 1103		11/14/00 1922					
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
styrene										
xylene (total)										
Affected Samples	trip blank2		trip blank2		pz1d					
	mw25s		mw25s		pz1s					
	pz1d				trip blank3					
	pz1s				trip blank1					
	trip blank3				mw18s					
	trip blank1				mw22d					
	mw18s				mw23s					
	mw22d				ms24s					
	mw23s				mw27d					
	mw24s									
	mw27d									

Volatile Calibration Outliers - Page 3

Instrument: MSC

Matrix: water

Level: low

Date/Time	11/6/00		11/15/00 1429							
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
chloromethane										
bromomethane										
vinyl chloride										
chloroethane										
methylene chloride										
acetone				34.9						
carbon disulfide										
1,1-dichloroethene										
1,1-dichloroethane										
1,2-dichloroethene (total)										
methyltertbutylether										
chloroform										
1,2-dichloroethane										
2-butanone										
1,1,1-trichloroethane										
carbon tetrachloride										
vinyl acetate										
bromodichloromethane										
1,2-dichloropropane										
cis-1,3-dichloropropane										
trichloroethene										
dibromochloromethane										
1,1,2-trichloroethane										
benzene										
trans-1,3-dichloropropane										
bromoform				50.9						
4-methyl-2-pentanone										
2-hexanone										
tetrachloroethene										
1,1,1,2-tetrachloroethane										
toluene										
chlorobenzene										

Volatile Calibration Outliers - Page 4

Date/Time	11/6/00		11/15/00 1429							
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
ethylbenzene										
styrene										
xylene (total)										
Affected Samples			trip blank4							

Volatile Calibration Outliers - Page 5

Instrument: MSC

Matrix: water

Level: low

Date/Time	11/16/00		11/16/00 1654		11/17/00 1134		11/17/00 1932		11/20/00 1015	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
chloromethane										
bromomethane						31.3				
vinyl chloride										
chloroethane										
methylene chloride										
acetone										
carbon disulfide										
1,1-dichloroethene										
1,1-dichloroethane										
1,2-dichloroethene (total)										
methyltertbutylether										
chloroform										
1,2-dichloroethane										
2-butanone										
1,1,1-trichloroethane										
carbon tetrachloride										
vinyl acetate										
bromodichloromethane										
1,2-dichloropropane										
cis-1,3-dichloropropane										
trichloroethene										
dibromochloromethane										
1,1,2-trichloroethane										
benzene										
trans-1,3-dichloropropane										
bromoform										
4-methyl-2-pentanone										
2-hexanone										
tetrachloroethene										
1,1,1,2-tetrachloroethane										
toluene										
chlorobenzene										

Volatile Calibration Outliers - Page 6

Date/Time	11/16/00		11/16/00 1654		11/17/00 1134		11/17/00 1932		11/20/00 1015	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
ethylbenzene										
styrene										
xylene (total)										
Affected Samples					mw27sdl					
					mw02dl					
					mw09					
					mwdup4					

Volatile Calibration Outliers - Page 7

Instrument: MSC

Matrix: water

Level: low

Date/Time	11/20/00 1953									
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
chloromethane										
bromomethane										
vinyl chloride										
chloroethane										
methylene chloride										
acetone										
carbon disulfide										
1,1-dichloroethene										
1,1-dichloroethane										
1,2-dichloroethene (total)										
methyltertbutylether										
chloroform										
1,2-dichloroethane										
2-butanone										
1,1,1-trichloroethane										
carbon tetrachloride										
vinyl acetate										
bromodichloromethane										
1,2-dichloropropane										
cis-1,3-dichloropropane										
trichloroethene										
dibromochloromethane										
1,1,2-trichloroethane										
benzene										
trans-1,3-dichloropropane										
bromoform										
4-methyl-2-pentanone										
2-hexanone										
tetrachloroethene										
1,1,1,2-tetrachloroethane										
toluene										
chlorobenzene										

Volatile Calibration Outliers - Page 8

Date/Time			11/20/00 1953							
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
ethylbenzene										
styrene										
xylene (total)										
Affected Samples										

Corrected Sample Analysis Data Sheets

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-02

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-1

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111614

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

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	25	U
67-64-1	-----Acetone	50	U
75-15-0	-----Carbon Disulfide	25	U
75-35-4	-----1,1-Dichloroethene	25	U
75-34-3	-----1,1-Dichloroethane	18	J
540-59-0	-----1,2-Dichloroethene (Total)	25	U
1634-04-4	-----Methyltertbutylether	25	U
67-66-3	-----Chloroform	25	U
107-06-2	-----1,2-Dichloroethane	25	U
78-93-3	-----2-Butanone	50	U
71-55-6	-----1,1,1-Trichloroethane	25	U
56-23-5	-----Carbon Tetrachloride	25	U
108-05-4	-----Vinyl Acetate	50	U
75-27-4	-----Bromodichloromethane	25	U
78-87-5	-----1,2-Dichloropropane	25	U
10061-01-5	-----cis-1,3-Dichloropropene	25	U
79-01-6	-----Trichloroethene	25	U
124-48-1	-----Dibromochloromethane	25	U
79-00-5	-----1,1,2-Trichloroethane	25	U
71-43-2	-----Benzene	4800 5700	ED
10061-02-6	-----trans-1,3-Dichloropropene	25	U
75-25-2	-----Bromoform	25	U
108-10-1	-----4-Methyl-2-Pentanone	50	U
591-78-6	-----2-Hexanone	50	U
127-18-4	-----Tetrachloroethene	25	U
79-34-5	-----1,1,2,2-Tetrachloroethane	25	U
108-88-3	-----Toluene	4700 3000	E D
108-90-7	-----Chlorobenzene	25	U
100-41-4	-----Ethylbenzene	5100 5700	E D
100-42-5	-----Styrene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-02

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-1

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111614

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/l Q

1330-20-7-----Xylene (total)

5500

~~E~~

D

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-02

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-1

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111614

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000611-14-3	Benzene, 1-ethyl-2-methyl-	27.62	3300	J
2. 00095-63-6	Benzene, 1,2,4-trimethyl-	28.82	1400	J
3.	Substituted Benzene	29.00	770	J
4.	Substituted Benzene	29.96	630	J
5. 000496-11-7	Indane	30.55	1000	J
6. 000095-13-6	Indene	31.12	11000	J
7.	Unknown Aromatic	34.32	820	J
8.	Unknown Aromatic	34.67	870	J
9. 000091-20-3	Naphthalene	36.21	9700	J
10.	Naphthalene, methyl-	40.13	1000	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-02 DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-1DL

Sample wt/vol: 0.1 (g/mL) mL

Lab File ID: CD111708

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 50

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	500	U D
74-83-9	Bromomethane	500	U D
75-01-4	Vinyl Chloride	500	U D
75-00-3	Chloroethane	500	U D
75-09-2	Methylene Chloride	250	U D
67-64-1	Acetone	500	U D
75-15-0	Carbon Disulfide	250	U D
75-35-4	1,1-Dichloroethane	250	U D
75-34-3	1,1-Dichloroethane	250	U D
540-59-0	1,2-Dichloroethane (Total)	250	U D
1634-04-4	Methyltertbutylether	250	U D
67-66-3	Chloroform	250	U D
107-06-2	1,2-Dichloroethane	250	U D
78-93-3	2-Butanone	500	U D
71-55-6	1,1,1-Trichloroethane	250	U D
56-23-5	Carbon Tetrachloride	250	U D
108-05-4	Vinyl Acetate	500	U D
75-27-4	Bromodichloromethane	250	U D
78-87-5	1,2-Dichloropropane	250	U D
10061-01-5	cis-1,3-Dichloropropene	250	U D
79-01-6	Trichloroethene	250	U D
124-48-1	Dibromochloromethane	250	U D
79-00-5	1,1,2-Trichloroethane	250	U D
71-43-2	Benzene	5700	D
10061-02-6	trans-1,3-Dichloropropene	250	U D
75-25-2	Bromoform	250	U D
108-10-1	4-Methyl-2-Pentanone	500	U D
591-78-6	2-Hexanone	500	U D
127-18-4	Tetrachloroethene	250	U D
79-34-5	1,1,2,2-Tetrachloroethane	250	U D
108-88-3	Toluene	5000	D
108-90-7	Chlorobenzene	250	U D
100-41-4	Ethylbenzene	5700	D
100-42-5	Styrene	250	U D

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-02 DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-1DL

Sample wt/vol: 0.1 (g/mL) mL

Lab File ID: CD111708

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 50

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

1330-20-7-----Xylene (total)

5500

D

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-02 DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-1 DL

Sample wt/vol: 0.1 (g/mL) mL

Lab File ID: CD111708

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 50

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICS found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000611-14-3	Benzene, 1-ethyl-2-methyl-	27.58	1700	J
2. 00095-63-6	Benzene, 1,2,4-trimethyl-	28.77	700	J
3.	Substituted Benzene	28.97	340	J
4. 000496-11-7	Indane	30.51	640	J
5. 000095-13-6	Indene	31.08	6800	J
6.	Unknown Aromatic	34.27	470	J
7.	Unknown Aromatic	34.61	520	J
8. 000091-20-3	Naphthalene	36.16	7800	JB
9.	Naphthalene, methyl-	40.07	660	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-04

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-5

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111615

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

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	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	25	U
67-64-1-----	Acetone	50	U
75-15-0-----	Carbon Disulfide	27	
75-35-4-----	1,1-Dichloroethene	25	U
75-34-3-----	1,1-Dichloroethane	25	U
540-59-0-----	1,2-Dichloroethene (Total)	25	U
1634-04-4-----	Methyltertbutylether	25	U
67-66-3-----	Chloroform	25	U
107-06-2-----	1,2-Dichloroethane	25	U
78-93-3-----	2-Butanone	50	U
71-55-6-----	1,1,1-Trichloroethane	25	U
56-23-5-----	Carbon Tetrachloride	25	U
108-05-4-----	Vinyl Acetate	50	U
75-27-4-----	Bromodichloromethane	25	U
78-87-5-----	1,2-Dichloropropane	25	U
10061-01-5-----	cis-1,3-Dichloropropene	25	U
79-01-6-----	Trichloroethene	25	U
124-48-1-----	Dibromochloromethane	25	U
79-00-5-----	1,1,2-Trichloroethane	25	U
71-43-2-----	Benzene	110	
10061-02-6-----	trans-1,3-Dichloropropene	25	U
75-25-2-----	Bromoform	25	U
108-10-1-----	4-Methyl-2-Pentanone	50	U
591-78-6-----	2-Hexanone	50	U
127-18-4-----	Tetrachloroethene	25	U
79-34-5-----	1,1,2,2-Tetrachloroethane	25	U
108-88-3-----	Toluene	250	
108-90-7-----	Chlorobenzene	25	U
100-41-4-----	Ethylbenzene	560	
100-42-5-----	Styrene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-04

Lab Code: Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-5

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111615

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

720

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-04

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-5

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111615

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Hydrocarbon	19.30	130	J
2. 000103-65-1	Benzene, propyl	27.43	160	J
3. 000108-67-8	Benzene, 1,3,5 trimethyl	27.69	420	J
4.	Substituted Benzene	28.41	220	J
5. 000095-63-6	Benzene, 1,2,4-trimethyl	28.82	840	J
6. 000135-01-3	Benzene, 1,2-diethyl	30.31	120	J
7. 000496-11-7	Indane	30.54	380	J
8. 000095-13-6	Indene	31.12	150	J
9.	Benzene, ethyldimethyl	31.52	160	J
10. 000091-20-3	Naphthalene	36.22	2800	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-09

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111709

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	5	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (Total)	5	U
1634-04-4	-----Methyltertbutylether	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	10	U
75-27-4	-----Bromodichloromethane	5	U
78-87-5	-----1,2-Dichloropropane	5	U
10061-01-5	-----cis-1,3-Dichloropropene	5	U
79-01-6	-----Trichloroethene	5	U
124-48-1	-----Dibromochloromethane	5	U
79-00-5	-----1,1,2-Trichloroethane	5	U
71-43-2	-----Benzene	5	U
10061-02-6	-----trans-1,3-Dichloropropene	5	U
75-25-2	-----Bromoform	5	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	5	U
79-34-5	-----1,1,2,2-Tetrachloroethane	5	U
108-88-3	-----Toluene	5	U
108-90-7	-----Chlorobenzene	5	U
100-41-4	-----Ethylbenzene	5	U
100-42-5	-----Styrene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-09

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111709

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-09

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111709

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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. 000091-20-3	Naphthalene	36.15	10	JB
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-11

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111720

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	5	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (Total)	5	U
1634-04-4	-----Methyltertbutylether	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	10	U
75-27-4	-----Bromodichloromethane	5	U
78-87-5	-----1,2-Dichloropropane	5	U
10061-01-5	-----cis-1,3-Dichloropropene	5	U
79-01-6	-----Trichloroethene	5	U
124-48-1	-----Dibromochloromethane	5	U
79-00-5	-----1,1,2-Trichloroethane	5	U
71-43-2	-----Benzene	5	U
10061-02-6	-----trans-1,3-Dichloropropene	5	U
75-25-2	-----Bromoform	5	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	5	U
79-34-5	-----1,1,2,2-Tetrachloroethane	5	U
108-88-3	-----Toluene	5	U
108-90-7	-----Chlorobenzene	5	U
100-41-4	-----Ethylbenzene	5	U
100-42-5	-----Styrene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-11

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111720

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

1330-20-7-----Xylene (total)

5

U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-11

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111720

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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. 000091-20-3	Naphthalene	36.10	10	J
2.				
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-18S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-1

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111420

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	845
74-83-9	-----Bromomethane	10	845
75-01-4	-----Vinyl Chloride	10	845
75-00-3	-----Chloroethane	10	845
75-09-2	-----Methylene Chloride	5	845
67-64-1	-----Acetone	10	845
75-15-0	-----Carbon Disulfide	5	845
75-35-4	-----1,1-Dichloroethene	5	845
75-34-3	-----1,1-Dichloroethane	5	845
540-59-0	-----1,2-Dichloroethene (Total)	5	845
1634-04-4	-----Methyltertbutylether	4	J
67-66-3	-----Chloroform	5	845
107-06-2	-----1,2-Dichloroethane	5	845
78-93-3	-----2-Butanone	10	845
71-55-6	-----1,1,1-Trichloroethane	5	845
56-23-5	-----Carbon Tetrachloride	5	845
108-05-4	-----Vinyl Acetate	10	845
75-27-4	-----Bromodichloromethane	5	845
78-87-5	-----1,2-Dichloropropane	5	845
10061-01-5	-----cis-1,3-Dichloropropene	5	845
79-01-6	-----Trichloroethene	5	845
124-48-1	-----Dibromochloromethane	5	845
79-00-5	-----1,1,2-Trichloroethane	5	845
71-43-2	-----Benzene	420	490 E
10061-02-6	-----trans-1,3-Dichloropropene	5	845
75-25-2	-----Bromoform	5	845
108-10-1	-----4-Methyl-2-Pentanone	10	845
591-78-6	-----2-Hexanone	10	845
127-18-4	-----Tetrachloroethene	5	845
79-34-5	-----1,1,2,2-Tetrachloroethane	5	845
108-88-3	-----Toluene	8	J
108-90-7	-----Chlorobenzene	5	845
100-41-4	-----Ethylbenzene	380	520 E
100-42-5	-----Styrene	5	845

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-18S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-1

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111420

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

98

J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-18S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-1

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111420

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICS found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Substituted Benzene	26.40	24	J
2. 000095-36-3	1,2,4-Trimethylbenzene	27.08	68	J
3. 000526-73-8	1,2,3-Trimethylbenzene	28.20	32	J
4. 000496-11-7	Indane	28.60	630	J
5. 000095-13-6	Indene	29.08	39	J
6.	Unknown Aromatic	32.49	32	J
7.	Unknown Aromatic	32.70	70	J
8. 000091-20-3	Naphthalene	33.73	1100	JB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-18S DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-1DL

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111610

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/16/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

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	50	U D
74-83-9	Bromomethane	50	U D
75-01-4	Vinyl Chloride	50	U D
75-00-3	Chloroethane	50	U D
75-09-2	Methylene Chloride	25	U D
67-64-1	Acetone	50	U D
75-15-0	Carbon Disulfide	25	U D
75-35-4	1,1-Dichloroethene	25	U D
75-34-3	1,1-Dichloroethane	25	U D
540-59-0	1,2-Dichloroethene (Total)	25	U D
1634-04-4	Methyltertbutylether	25	U D
67-66-3	Chloroform	25	U D
107-06-2	1,2-Dichloroethane	25	U D
78-93-3	2-Butanone	50	U D
71-55-6	1,1,1-Trichloroethane	25	U D
56-23-5	Carbon Tetrachloride	25	U D
108-05-4	Vinyl Acetate	50	U D
75-27-4	Bromodichloromethane	25	U D
78-87-5	1,2-Dichloropropane	25	U D
10061-01-5	cis-1,3-Dichloropropene	25	U D
79-01-6	Trichloroethene	25	U D
124-48-1	Dibromochloromethane	25	U D
79-00-5	1,1,2-Trichloroethane	25	U D
71-43-2	Benzene	490	D
10061-02-6	trans-1,3-Dichloropropene	25	U D
75-25-2	Bromoform	25	U D
108-10-1	4-Methyl-2-Pentanone	50	U D
591-78-6	2-Hexanone	50	U D
127-18-4	Tetrachloroethene	25	U D
79-34-5	1,1,2,2-Tetrachloroethane	25	U D
108-88-3	Toluene	11	JD
108-90-7	Chlorobenzene	25	U D
100-41-4	Ethylbenzene	520	D
100-42-5	Styrene	25	U D

FORM I CLP VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-18S DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-1DL

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111610

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/16/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

110

D

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-18S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-1 DL

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111610

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/16/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown Hydrocarbon	8.84	27	J
2. 000110-82-7	Cyclohexane	15.68	25	J
3. 000095-36-3	1,2,4-Trimethylbenzene	28.79	47	J
4. 000496-11-7	Indane	30.55	830	J
5. 000091-20-3	Naphthalene	36.20	730	J
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FORM I VOA-TIC

12/91

114

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-22D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111421

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	0.5
74-83-9	Bromomethane	10	0.5
75-01-4	Vinyl Chloride	10	0.5
75-00-3	Chloroethane	10	0.5
75-09-2	Methylene Chloride	5	0.5
67-64-1	Acetone	11	0.5
75-15-0	Carbon Disulfide	5	0.5
75-35-4	1,1-Dichloroethene	5	0.5
75-34-3	1,1-Dichloroethane	5	0.5
540-59-0	1,2-Dichloroethene (Total)	5	0.5
1634-04-4	Methyltertbutylether	5	0.5
67-66-3	Chloroform	5	0.5
107-06-2	1,2-Dichloroethane	5	0.5
78-93-3	2-Butanone	10	0.5
71-55-6	1,1,1-Trichloroethane	5	0.5
56-23-5	Carbon Tetrachloride	5	0.5
108-05-4	Vinyl Acetate	10	0.5
75-27-4	Bromodichloromethane	5	0.5
78-87-5	1,2-Dichloropropane	5	0.5
10061-01-5	cis-1,3-Dichloropropene	5	0.5
79-01-6	Trichloroethene	5	0.5
124-48-1	Dibromochloromethane	5	0.5
79-00-5	1,1,2-Trichloroethane	5	0.5
71-43-2	Benzene	5	0.5
10061-02-6	trans-1,3-Dichloropropene	5	0.5
75-25-2	Bromoform	5	0.5
108-10-1	4-Methyl-2-Pentanone	10	0.5
591-78-6	2-Hexanone	10	0.5
127-18-4	Tetrachloroethene	5	0.5
79-34-5	1,1,2,2-Tetrachloroethane	5	0.5
108-88-3	Toluene	5	0.5
108-90-7	Chlorobenzene	5	0.5
100-41-4	Ethylbenzene	5	0.5
100-42-5	Styrene	5	0.5

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-22D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111421

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

8 WJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-22D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111421

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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. 000083-32-9	Acenaphthene	33.47	7	J
2. 000091-20-3	Naphthalene	33.74	89	JB
3.				
4.				
5.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-23S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-3

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111422

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

74-87-3-----	Chloromethane	10	✓
74-83-9-----	Bromomethane	10	✓
75-01-4-----	Vinyl Chloride	10	✓
75-00-3-----	Chloroethane	10	✓
75-09-2-----	Methylene Chloride	5	✓
67-64-1-----	Acetone	10	✓
75-15-0-----	Carbon Disulfide	5	✓
75-35-4-----	1,1-Dichloroethene	5	✓
75-34-3-----	1,1-Dichloroethane	5	✓
540-59-0-----	1,2-Dichloroethene (Total)	5	✓
1634-04-4-----	Methyltertbutylether	1	J
67-66-3-----	Chloroform	5	✓
107-06-2-----	1,2-Dichloroethane	5	✓
78-93-3-----	2-Butanone	10	✓
71-55-6-----	1,1,1-Trichloroethane	5	✓
56-23-5-----	Carbon Tetrachloride	5	✓
108-05-4-----	Vinyl Acetate	10	✓
75-27-4-----	Bromodichloromethane	5	✓
78-87-5-----	1,2-Dichloropropane	5	✓
10061-01-5-----	cis-1,3-Dichloropropene	5	✓
79-01-6-----	Trichloroethene	5	✓
124-48-1-----	Dibromochloromethane	5	✓
79-00-5-----	1,1,2-Trichloroethane	5	✓
71-43-2-----	Benzene	240	208
10061-02-6-----	trans-1,3-Dichloropropene	5	✓
75-25-2-----	Bromoform	5	✓
108-10-1-----	4-Methyl-2-Pentanone	10	✓
591-78-6-----	2-Hexanone	10	✓
127-18-4-----	Tetrachloroethene	5	✓
79-34-5-----	1,1,2,2-Tetrachloroethane	5	✓
108-88-3-----	Toluene	5	✓
108-90-7-----	Chlorobenzene	5	✓
100-41-4-----	Ethylbenzene	2	J
100-42-5-----	Styrene	5	✓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-23S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-3

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111422

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

1330-20-7-----Xylene (total)

2

J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-23S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-3

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111422

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 7

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000526-73-8	Benzene, 1,2,3-trimethyl	28.20	25	J
2. 000496-11-7	Indane	28.60	1000	J
3.	Unknown Aromatic	30.27	48	J
4.	Unknown Aromatic	32.02	70	J
5.	Unknown Aromatic	32.37	100	J
6.	Unknown Aromatic	32.69	39	J
7. 000091-20-3	Naphthalene	33.73	59	JB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-3DL

Sample wt/vol: 2 (g/mL) mL

Lab File ID: CD111611

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/16/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 2.5

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	25	U D
74-83-9	Bromomethane	25	U D
75-01-4	Vinyl Chloride	25	U D
75-00-3	Chloroethane	25	U D
75-09-2	Methylene Chloride	12	U D
67-64-1	Acetone	25	U D
75-15-0	Carbon Disulfide	12	U D
75-35-4	1,1-Dichloroethene	12	U D
75-34-3	1,1-Dichloroethane	12	U D
540-59-0	1,2-Dichloroethene (Total)	12	U D
1634-04-4	Methyltertbutylether	12	U D
67-66-3	Chloroform	12	U D
107-06-2	1,2-Dichloroethane	12	U D
78-93-3	2-Butanone	25	U D
71-55-6	1,1,1-Trichloroethane	12	U D
56-23-5	Carbon Tetrachloride	12	U D
108-05-4	Vinyl Acetate	25	U D
75-27-4	Bromodichloromethane	12	U D
78-87-5	1,2-Dichloropropane	12	U D
10061-01-5	cis-1,3-Dichloropropene	12	U D
79-01-6	Trichloroethene	12	U D
124-48-1	Dibromochloromethane	12	U D
79-00-5	1,1,2-Trichloroethane	12	U D
71-43-2	Benzene	200	D
10061-02-6	trans-1,3-Dichloropropene	12	U D
75-25-2	Bromoform	12	U D
108-10-1	4-Methyl-2-Pentanone	25	U D
591-78-6	2-Hexanone	25	U D
127-18-4	Tetrachloroethene	12	U D
79-34-5	1,1,2,2-Tetrachloroethane	12	U D
108-88-3	Toluene	12	U D
108-90-7	Chlorobenzene	12	U D
100-41-4	Ethylbenzene	12	U D
100-42-5	Styrene	12	U D

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-23S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-3DL

Sample wt/vol: 2 (g/mL) mL

Lab File ID: CD111611

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/16/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 2.5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/l Q

CAS NO.

COMPOUND

1330-20-7-----Xylene (total)	12	U D

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-23S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-3 DL

Sample wt/vol: 2 (g/mL) mL

Lab File ID: CD111611

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/16/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 2.5

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. 000098-82-8	Benzene, (1-methylethyl)-	26.40	16	J
2. 000496-11-7	Indane	30.54	1100	J
3.	Unknown Aromatic	31.98	15	J
4.	Unknown Aromatic	33.65	33	J
5.	Unknown Aromatic	34.14	45	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-24S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111423

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	845
74-83-9	-----Bromomethane	10	845
75-01-4	-----Vinyl Chloride	10	845
75-00-3	-----Chloroethane	10	845
75-09-2	-----Methylene Chloride	5	845
67-64-1	-----Acetone	10	845
75-15-0	-----Carbon Disulfide	5	845
75-35-4	-----1,1-Dichloroethene	5	845
75-34-3	-----1,1-Dichloroethane	5	845
540-59-0	-----1,2-Dichloroethene (Total)	5	845
1634-04-4	-----Methyltertbutylether	7	845
67-66-3	-----Chloroform	5	845
107-06-2	-----1,2-Dichloroethane	5	845
78-93-3	-----2-Butanone	10	845
71-55-6	-----1,1,1-Trichloroethane	5	845
56-23-5	-----Carbon Tetrachloride	5	845
108-05-4	-----Vinyl Acetate	10	845
75-27-4	-----Bromodichloromethane	5	845
78-87-5	-----1,2-Dichloropropane	5	845
10061-01-5	-----cis-1,3-Dichloropropene	5	845
79-01-6	-----Trichloroethene	5	845
124-48-1	-----Dibromochloromethane	5	845
79-00-5	-----1,1,2-Trichloroethane	5	845
71-43-2	-----Benzene	5	845
10061-02-6	-----trans-1,3-Dichloropropene	5	845
75-25-2	-----Bromoform	5	845
108-10-1	-----4-Methyl-2-Pentanone	10	845
591-78-6	-----2-Hexanone	10	845
127-18-4	-----Tetrachloroethene	5	845
79-34-5	-----1,1,2,2-Tetrachloroethane	5	845
108-88-3	-----Toluene	5	845
108-90-7	-----Chlorobenzene	5	845
100-41-4	-----Ethylbenzene	5	845
100-42-5	-----Styrene	5	845

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-24S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111423

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

WJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-24S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111423

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICS found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. ~~000496-11-7~~	~~Indane~~	28.61	4	J
2. ~~000083-32-9~~	~~Acenaphthene~~	33.45	13	J
3. ~~000091-20-3~~	~~Naphthalene~~	33.73	44	JB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-25S

Lab Code: Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-1

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111407

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

74-87-3	Chloromethane	10	✓
74-83-9	Bromomethane	10	✓
75-01-4	Vinyl Chloride	10	✓
75-00-3	Chloroethane	10	✓
75-09-2	Methylene Chloride	5	✓
67-64-1	Acetone	10	✓
75-15-0	Carbon Disulfide	5	✓
75-35-4	1,1-Dichloroethene	5	✓
75-34-3	1,1-Dichloroethane	5	✓
540-59-0	1,2-Dichloroethene (Total)	5	✓
1634-04-4	Methyltertbutylether	5	✓
67-66-3	Chloroform	5	✓
107-06-2	1,2-Dichloroethane	5	✓
78-93-3	2-Butanone	10	✓
71-55-6	1,1,1-Trichloroethane	5	✓
56-23-5	Carbon Tetrachloride	5	✓
108-05-4	Vinyl Acetate	10	✓
75-27-4	Bromodichloromethane	5	✓
78-87-5	1,2-Dichloropropane	5	✓
10061-01-5	cis-1,3-Dichloropropene	5	✓
79-01-6	Trichloroethene	5	✓
124-48-1	Dibromochloromethane	5	✓
79-00-5	1,1,2-Trichloroethane	5	✓
71-43-2	Benzene	5	✓
10061-02-6	trans-1,3-Dichloropropene	5	✓
75-25-2	Bromoform	5	✓
108-10-1	4-Methyl-2-Pentanone	10	✓
591-78-6	2-Hexanone	10	✓
127-18-4	Tetrachloroethene	5	✓
79-34-5	1,1,2,2-Tetrachloroethane	5	✓
108-88-3	Toluene	5	✓
108-90-7	Chlorobenzene	5	✓
100-41-4	Ethylbenzene	5	✓
100-42-5	Styrene	5	✓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-25S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-1

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111407

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

[Signature]

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-25S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-1

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111407

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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
=====	=====	=====	=====	=====
1. _____	No Volatiles Found _____			
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
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27. _____				
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29. _____				
30. _____				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-26D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-1

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111612

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

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	U
74-83-9	Bromomethane	U
75-01-4	Vinyl Chloride	U
75-00-3	Chloroethane	U
75-09-2	Methylene Chloride	U
67-64-1	Acetone	U
75-15-0	Carbon Disulfide	U
75-35-4	1,1-Dichloroethene	U
75-34-3	1,1-Dichloroethane	U
540-59-0	1,2-Dichloroethene (Total)	U
1634-04-4	Methyltertbutylether	U
67-66-3	Chloroform	U
107-06-2	1,2-Dichloroethane	U
78-93-3	2-Butanone	U
71-55-6	1,1,1-Trichloroethane	U
56-23-5	Carbon Tetrachloride	U
108-05-4	Vinyl Acetate	U
75-27-4	Bromodichloromethane	U
78-87-5	1,2-Dichloropropane	U
10061-01-5	cis-1,3-Dichloropropene	U
79-01-6	Trichloroethene	U
124-48-1	Dibromochloromethane	U
79-00-5	1,1,2-Trichloroethane	U
71-43-2	Benzene	310
10061-02-6	trans-1,3-Dichloropropene	U
75-25-2	Bromoform	U
108-10-1	4-Methyl-2-Pentanone	U
591-78-6	2-Hexanone	U
127-18-4	Tetrachloroethene	U
79-34-5	1,1,2,2-Tetrachloroethane	U
108-88-3	Toluene	42
108-90-7	Chlorobenzene	25
100-41-4	Ethylbenzene	760
100-42-5	Styrene	25

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-26D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-1

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111612

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

1330-20-7-----Xylene (total)

700

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-26D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-1

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111612

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000107-83-5	Pentane, 2-methyl-	11.69	340	J
2. 000096-14-0	Pentane, 3-methyl-	12.25	280	J
3. 000110-54-3	Hexane	12.79	220	J
4. 000096-37-7	Cyclopentane, methyl-	14.22	340	J
5. 000110-82-7	Cyclohexane	15.69	650	J
6. 000108-87-2	Cyclohexane, methyl-	18.18	670	J
7. 000611-14-3	Benzene, 1 ethyl 2 methyl	27.63	260	J
8. 000095-63-6	Benzene, 1,2,4-trimethyl	28.82	260	J
9. 000496-11-7	Indane	30.55	1400	J
10. 000091-20-3	Naphthalene	36.22	2000	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-26S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65888-1

Sample wt/vol: 0.5 (g/mL) mL

Lab File ID: CD112024

Level: (low/med) LOW

Date Received: 11/17/00

%Moisture: not dec.

Date Analyzed: 11/21/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 10

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	100	U
74-83-9	-----Bromomethane	100	U
75-01-4	-----Vinyl Chloride	100	U
75-00-3	-----Chloroethane	100	U
75-09-2	-----Methylene Chloride	50	U
67-64-1	-----Acetone	100	U
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
1634-04-4	-----Methyltertbutylether	50	U
67-66-3	-----Chloroform	50	U
107-06-2	-----1,2-Dichloroethane	50	U
78-93-3	-----2-Butanone	100	U
71-55-6	-----1,1,1-Trichloroethane	50	U
56-23-5	-----Carbon Tetrachloride	50	U
108-05-4	-----Vinyl Acetate	100	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	18	J
10061-02-6	-----trans-1,3-Dichloropropene	50	U
75-25-2	-----Bromoform	50	U
108-10-1	-----4-Methyl-2-Pentanone	100	U
591-78-6	-----2-Hexanone	100	U
127-18-4	-----Tetrachloroethene	50	U
79-34-5	-----1,1,2,2-Tetrachloroethane	50	U
108-88-3	-----Toluene	50	U
108-90-7	-----Chlorobenzene	50	U
100-41-4	-----Ethylbenzene	680	U
100-42-5	-----Styrene	50	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-26S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65888-1

Sample wt/vol: 0.5 (g/mL) mL

Lab File ID: CD112024

Level: (low/med) LOW

Date Received: 11/17/00

%Moisture: not dec.

Date Analyzed: 11/21/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 10

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

500

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-26S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65888-1

Sample wt/vol: 0.5 (g/mL) mL

Lab File ID: CD112024

Level: (low/med) LOW

Date Received: 11/17/00

%Moisture: not dec.

Date Analyzed: 11/21/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 10

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000107-83-5	Pentane, 2-methyl-	11.64	140	J
2. 000110-54-3	Hexane	12.75	140	J
3. 000096-37-7	Cyclopentane, methyl-	14.17	150	J
4. 000110-82-7	Cyclohexane	15.65	400	J
5. 000142-82-5	Heptane	16.60	150	J
6. 000108-87-2	Cyclohexane, methyl-	18.14	580	J
7. 000611-14-3	Benzene, 1-ethyl-2-methyl-	27.57	340	J
8. 000095-63-6	Benzene, 1,2,4-trimethyl-	28.77	120	J
9. 000496-11-7	Indane	30.50	1000	J
10. 000091-20-3	Naphthalene	36.15	1500	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-27D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-3

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111426

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	0.45
74-83-9	-----Bromomethane	10	0.45
75-01-4	-----Vinyl Chloride	10	0.45
75-00-3	-----Chloroethane	10	0.45
75-09-2	-----Methylene Chloride	5	0.45
67-64-1	-----Acetone	10	0.45
75-15-0	-----Carbon Disulfide	5	0.45
75-35-4	-----1,1-Dichloroethene	5	0.45
75-34-3	-----1,1-Dichloroethane	5	0.45
540-59-0	-----1,2-Dichloroethene (Total)	5	0.45
1634-04-4	-----Methyltertbutylether	5	0.45
67-66-3	-----Chloroform	5	0.45
107-06-2	-----1,2-Dichloroethane	5	0.45
78-93-3	-----2-Butanone	10	0.45
71-55-6	-----1,1,1-Trichloroethane	5	0.45
56-23-5	-----Carbon Tetrachloride	5	0.45
108-05-4	-----Vinyl Acetate	10	0.45
75-27-4	-----Bromodichloromethane	5	0.45
78-87-5	-----1,2-Dichloropropane	5	0.45
10061-01-5	-----cis-1,3-Dichloropropene	5	0.45
79-01-6	-----Trichloroethene	5	0.45
124-48-1	-----Dibromochloromethane	5	0.45
79-00-5	-----1,1,2-Trichloroethane	5	0.45
71-43-2	-----Benzene	110	0.45
10061-02-6	-----trans-1,3-Dichloropropene	5	0.45
75-25-2	-----Bromoform	5	0.45
108-10-1	-----4-Methyl-2-Pentanone	10	0.45
591-78-6	-----2-Hexanone	10	0.45
127-18-4	-----Tetrachloroethene	5	0.45
79-34-5	-----1,1,2,2-Tetrachloroethane	5	0.45
108-88-3	-----Toluene	1	0.45
108-90-7	-----Chlorobenzene	5	0.45
100-41-4	-----Ethylbenzene	78	0.45
100-42-5	-----Styrene	5	0.45

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-27D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-3

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111426

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

30

J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-27D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-3

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111426

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICS found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000611-14-3	Benzene, 1 ethyl-2-methyl-	26.40	23	J
2. 000095-36-3	1,2,4-Trimethylbenzene	27.09	72	J
3. 000526-73-8	1,2,3-Trimethylbenzene	28.19	28	J
4. 000496-11-7	Indane	28.59	240	J
5.	Substituted Benzene	29.79	21	J
6. 000527-84-4	Benzene, 1-methyl-2-(1-methy	30.07	30	J
7.	Unknown Aromatic	30.27	43	J
8.	Substituted Benzene	31.50	29	J
9.	Unknown Aromatic	32.03	36	J
10.	Unknown Aromatic	32.49	64	J
11.	Unknown Aromatic	32.70	110	J
12. 000083-32-9	Acenaphthene	33.47	67	J
13. 000091-20-3	Naphthalene	33.73	580	JB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-27S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-2

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111613

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

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	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	25	U
67-64-1	-----Acetone	50	U
75-15-0	-----Carbon Disulfide	25	U
75-35-4	-----1,1-Dichloroethene	25	U
75-34-3	-----1,1-Dichloroethane	25	U
540-59-0	-----1,2-Dichloroethene (Total)	25	U
1634-04-4	-----Methyltertbutylether	25	U
67-66-3	-----Chloroform	25	U
107-06-2	-----1,2-Dichloroethane	25	U
78-93-3	-----2-Butanone	50	U
71-55-6	-----1,1,1-Trichloroethane	25	U
56-23-5	-----Carbon Tetrachloride	25	U
108-05-4	-----Vinyl Acetate	50	U
75-27-4	-----Bromodichloromethane	25	U
78-87-5	-----1,2-Dichloropropane	25	U
10061-01-5	-----cis-1,3-Dichloropropene	25	U
79-01-6	-----Trichloroethene	25	U
124-48-1	-----Dibromochloromethane	25	U
79-00-5	-----1,1,2-Trichloroethane	25	U
71-43-2	-----Benzene	1400 1300	U
10061-02-6	-----trans-1,3-Dichloropropene	25	U
75-25-2	-----Bromoform	25	U
108-10-1	-----4-Methyl-2-Pentanone	50	U
591-78-6	-----2-Hexanone	50	U
127-18-4	-----Tetrachloroethene	25	U
79-34-5	-----1,1,2,2-Tetrachloroethane	25	U
108-88-3	-----Toluene	17	J
108-90-7	-----Chlorobenzene	25	U
100-41-4	-----Ethylbenzene	620	U
100-42-5	-----Styrene	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-27S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-2

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111613

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

180

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-27S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-2

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111613

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICS found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000098-82-8	Benzene, (1-methylethyl)-	26.41	35	J
2. 000611-14-3	Benzene, 1-ethyl-2-methyl-	28.42	39	J
3. 000095-36-3	1,2,4-Trimethylbenzene	28.81	120	J
4. 000496-11-7	Indane	30.31	35	J
5. 000496-11-7	Indane	30.55	1100	J
6. 000496-11-7	Benzene, ethyldimethyl	31.52	36	J
7. 000496-11-7	Unknown Aromatic	33.64	44	J
8. 000496-11-7	Unknown Aromatic	34.68	56	J
9. 000091-20-3	Naphthalene	36.21	700	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-27S DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-2DL

Sample wt/vol: 0.5 (g/mL) mL

Lab File ID: CD111707

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 10

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	100	U D
74-83-9-----	Bromomethane	100	U D
75-01-4-----	Vinyl Chloride	100	U D
75-00-3-----	Chloroethane	100	U D
75-09-2-----	Methylene Chloride	50	U D
67-64-1-----	Acetone	100	U D
75-15-0-----	Carbon Disulfide	50	U D
75-35-4-----	1,1-Dichloroethene	50	U D
75-34-3-----	1,1-Dichloroethane	50	U D
540-59-0-----	1,2-Dichloroethene (Total)	50	U D
1634-04-4-----	Methyltertbutylether	50	U D
67-66-3-----	Chloroform	50	U D
107-06-2-----	1,2-Dichloroethane	50	U D
78-93-3-----	2-Butanone	110	D
71-55-6-----	1,1,1-Trichloroethane	50	U D
56-23-5-----	Carbon Tetrachloride	50	U D
108-05-4-----	Vinyl Acetate	100	U D
75-27-4-----	Bromodichloromethane	50	U D
78-87-5-----	1,2-Dichloropropane	50	U D
10061-01-5-----	cis-1,3-Dichloropropene	50	U D
79-01-6-----	Trichloroethene	50	U D
124-48-1-----	Dibromochloromethane	50	U D
79-00-5-----	1,1,2-Trichloroethane	50	U D
71-43-2-----	Benzene	1300	D
10061-02-6-----	trans-1,3-Dichloropropene	50	U D
75-25-2-----	Bromoform	50	U D
108-10-1-----	4-Methyl-2-Pentanone	100	U D
591-78-6-----	2-Hexanone	100	U D
127-18-4-----	Tetrachloroethene	50	U D
79-34-5-----	1,1,2,2-Tetrachloroethane	50	U D
108-88-3-----	Toluene	18	JD
108-90-7-----	Chlorobenzene	50	U D
100-41-4-----	Ethylbenzene	580	D
100-42-5-----	Styrene	50	U D

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-27S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-2DL

Sample wt/vol: 0.5 (g/mL) mL

Lab File ID: CD111707

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 10

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

CAS NO.

COMPOUND

1330-20-7-----Xylene (total)

160

D

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-27S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-2 DL

Sample wt/vol: 0.5 (g/mL) mL

Lab File ID: CD111707

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 10

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000095-63-6	Benzene, 1,2,4-trimethyl-	28.78	130	J
2. 000496-11-7	Indane	30.51	1300	J
3.	Substituted Benzene	33.61	63	J
4.	Unknown Aromatic	34.62	70	J
5. 000091-20-3	Naphthalene	36.16	820	JB
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-28D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-1

Sample wt/vol: 3 (g/mL) mL

Lab File ID: CD111718

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1.7

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	17	U
74-83-9-----	Bromomethane	17	U
75-01-4-----	Vinyl Chloride	17	U
75-00-3-----	Chloroethane	17	U
75-09-2-----	Methylene Chloride	8	U
67-64-1-----	Acetone	17	U
75-15-0-----	Carbon Disulfide	8	U
75-35-4-----	1,1-Dichloroethene	8	U
75-34-3-----	1,1-Dichloroethane	8	U
540-59-0-----	1,2-Dichloroethene (Total)	8	U
1634-04-4-----	Methyltertbutylether	42	
67-66-3-----	Chloroform	8	U
107-06-2-----	1,2-Dichloroethane	8	U
78-93-3-----	2-Butanone	17	U
71-55-6-----	1,1,1-Trichloroethane	8	U
56-23-5-----	Carbon Tetrachloride	8	U
108-05-4-----	Vinyl Acetate	17	U
75-27-4-----	Bromodichloromethane	8	U
78-87-5-----	1,2-Dichloropropane	8	U
10061-01-5-----	cis-1,3-Dichloropropene	8	U
79-01-6-----	Trichloroethene	8	U
124-48-1-----	Dibromochloromethane	8	U
79-00-5-----	1,1,2-Trichloroethane	8	U
71-43-2-----	Benzene	190	
10061-02-6-----	trans-1,3-Dichloropropene	8	U
75-25-2-----	Bromoform	8	U
108-10-1-----	4-Methyl-2-Pentanone	17	U
591-78-6-----	2-Hexanone	17	U
127-18-4-----	Tetrachloroethene	8	U
79-34-5-----	1,1,2,2-Tetrachloroethane	8	U
108-88-3-----	Toluene	21	
108-90-7-----	Chlorobenzene	8	U
100-41-4-----	Ethylbenzene	190	
100-42-5-----	Styrene	8	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-28D

Lab Code: Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-1

Sample wt/vol: 3 (g/mL) mL

Lab File ID: CD111718

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1.7

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

86

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-28D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-1

Sample wt/vol: 3 (g/mL) mL

Lab File ID: CD111718

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1.7

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 6

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000611-14-3	Benzene, 1-ethyl-2-methyl-	27.52	15	J
2. 00095-63-6	Benzene, 1,2,4-trimethyl-	28.74	13	J
3. 005989-27-5	D-Limonene	29.40	110	J
4. 000496-11-7	Indane	30.46	93	J
5. 000095-13-6	Indene	31.03	80	J
6. 000091-20-3	Naphthalene	36.11	180	J
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-28S

Lab Code: Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-2

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111719

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

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	25 U
67-64-1	Acetone	50 U
75-15-0	Carbon Disulfide	26
75-35-4	1,1-Dichloroethene	25 U
75-34-3	1,1-Dichloroethane	25 U
540-59-0	1,2-Dichloroethene (Total)	25 U
1634-04-4	Methyltertbutylether	25 U
67-66-3	Chloroform	25 U
107-06-2	1,2-Dichloroethane	25 U
78-93-3	2-Butanone	50 U
71-55-6	1,1,1-Trichloroethane	25 U
56-23-5	Carbon Tetrachloride	25 U
108-05-4	Vinyl Acetate	50 U
75-27-4	Bromodichloromethane	25 U
78-87-5	1,2-Dichloropropane	25 U
10061-01-5	cis-1,3-Dichloropropene	25 U
79-01-6	Trichloroethene	25 U
124-48-1	Dibromochloromethane	25 U
79-00-5	1,1,2-Trichloroethane	25 U
71-43-2	Benzene	500
10061-02-6	trans-1,3-Dichloropropene	25 U
75-25-2	Bromoform	25 U
108-10-1	4-Methyl-2-Pentanone	50 U
591-78-6	2-Hexanone	50 U
127-18-4	Tetrachloroethene	25 U
79-34-5	1,1,2,2-Tetrachloroethane	25 U
108-88-3	Toluene	240
108-90-7	Chlorobenzene	25 U
100-41-4	Ethylbenzene	560
100-42-5	Styrene	150

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-28S

Lab Code: Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-2

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111719

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

610

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-28S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-2

Sample wt/vol: 1 (g/mL) mL

Lab File ID: CD111719

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 5

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

Number TICS found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000106-97-8	Butane	7.29	47	J
2. 000611-14-3	Benzene, 1-ethyl-2-methyl-	27.54	65	J
3. 000620-14-4	Benzene, 1-ethyl-3-methyl-	28.32	37	J
4. 000095-36-3	1,2,4-Trimethylbenzene	28.74	92	J
5.	Substituted Benzene	28.89	42	J
6. 000496-11-7	Indane	30.47	360	J
7. 000095-13-6	Indene	31.04	390	J
8. 000091-20-3	Naphthalene	36.10	960	J
9.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-DUP4

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-7

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111710

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	5	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (Total)	5	U
1634-04-4	-----Methyltertbutylether	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	10	U
75-27-4	-----Bromodichloromethane	5	U
78-87-5	-----1,2-Dichloropropane	5	U
10061-01-5	-----cis-1,3-Dichloropropene	5	U
79-01-6	-----Trichloroethene	5	U
124-48-1	-----Dibromochloromethane	5	U
79-00-5	-----1,1,2-Trichloroethane	5	U
71-43-2	-----Benzene	5	U
10061-02-6	-----trans-1,3-Dichloropropene	5	U
75-25-2	-----Bromoform	5	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	5	U
79-34-5	-----1,1,2,2-Tetrachloroethane	5	U
108-88-3	-----Toluene	5	U
108-90-7	-----Chlorobenzene	5	U
100-41-4	-----Ethylbenzene	5	U
100-42-5	-----Styrene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-DUP4

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-7

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111710

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-DUP4

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-7

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111710

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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. 000091-20-3	Naphthalene	36.14	12	JB
2.				
3.				
4.				
5.				
6.				
7.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PZ-1D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111416

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	✓
74-83-9	-----Bromomethane	10	✓
75-01-4	-----Vinyl Chloride	10	✓
75-00-3	-----Chloroethane	10	✓
75-09-2	-----Methylene Chloride	5	✓
67-64-1	-----Acetone	10	✓
75-15-0	-----Carbon Disulfide	5	✓
75-35-4	-----1,1-Dichloroethene	5	✓
75-34-3	-----1,1-Dichloroethane	5	✓
540-59-0	-----1,2-Dichloroethene (Total)	5	✓
1634-04-4	-----Methyltertbutylether	5	✓
67-66-3	-----Chloroform	5	✓
107-06-2	-----1,2-Dichloroethane	5	✓
78-93-3	-----2-Butanone	10	✓
71-55-6	-----1,1,1-Trichloroethane	5	✓
56-23-5	-----Carbon Tetrachloride	5	✓
108-05-4	-----Vinyl Acetate	10	✓
75-27-4	-----Bromodichloromethane	5	✓
78-87-5	-----1,2-Dichloropropane	5	✓
10061-01-5	-----cis-1,3-Dichloropropene	5	✓
79-01-6	-----Trichloroethene	5	✓
124-48-1	-----Dibromochloromethane	5	✓
79-00-5	-----1,1,2-Trichloroethane	5	✓
71-43-2	-----Benzene	5	✓
10061-02-6	-----trans-1,3-Dichloropropene	5	✓
75-25-2	-----Bromoform	5	✓
108-10-1	-----4-Methyl-2-Pentanone	10	✓
591-78-6	-----2-Hexanone	10	✓
127-18-4	-----Tetrachloroethene	5	✓
79-34-5	-----1,1,2,2-Tetrachloroethane	5	✓
108-88-3	-----Toluene	5	✓
108-90-7	-----Chlorobenzene	5	✓
100-41-4	-----Ethylbenzene	5	✓
100-42-5	-----Styrene	5	✓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

PZ-1D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111416

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

GLJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

PZ-1D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111416

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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
1.	No Volatiles Found			
2.				
3.				
4.				
5.				
6.				
7.				
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9.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PZ-1S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-3

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111417

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	✓
74-83-9	-----Bromomethane	10	✓
75-01-4	-----Vinyl Chloride	10	✓
75-00-3	-----Chloroethane	10	✓
75-09-2	-----Methylene Chloride	5	✓
67-64-1	-----Acetone	10	✓
75-15-0	-----Carbon Disulfide	5	✓
75-35-4	-----1,1-Dichloroethene	5	✓
75-34-3	-----1,1-Dichloroethane	5	✓
540-59-0	-----1,2-Dichloroethene (Total)	5	✓
1634-04-4	-----Methyltertbutylether	5	✓
67-66-3	-----Chloroform	5	✓
107-06-2	-----1,2-Dichloroethane	5	✓
78-93-3	-----2-Butanone	10	✓
71-55-6	-----1,1,1-Trichloroethane	5	✓
56-23-5	-----Carbon Tetrachloride	5	✓
108-05-4	-----Vinyl Acetate	10	✓
75-27-4	-----Bromodichloromethane	5	✓
78-87-5	-----1,2-Dichloropropane	5	✓
10061-01-5	-----cis-1,3-Dichloropropene	5	✓
79-01-6	-----Trichloroethene	5	✓
124-48-1	-----Dibromochloromethane	5	✓
79-00-5	-----1,1,2-Trichloroethane	5	✓
71-43-2	-----Benzene	5	✓
10061-02-6	-----trans-1,3-Dichloropropene	5	✓
75-25-2	-----Bromoform	5	✓
108-10-1	-----4-Methyl-2-Pentanone	10	✓
591-78-6	-----2-Hexanone	10	✓
127-18-4	-----Tetrachloroethene	5	✓
79-34-5	-----1,1,2,2-Tetrachloroethane	5	✓
108-88-3	-----Toluene	5	✓
108-90-7	-----Chlorobenzene	5	✓
100-41-4	-----Ethylbenzene	5	✓
100-42-5	-----Styrene	5	✓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

PZ-1S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-3

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111417

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

1330-20-7-----Xylene (total)

5

YLD

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

PZ-1S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-3

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111417

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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. 000496-11-7	Indane	28.60	11	5
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

PZ-02

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-5

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111721

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	5	U
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	5	U
75-35-4	-----1,1-Dichloroethene	5	U
75-34-3	-----1,1-Dichloroethane	5	U
540-59-0	-----1,2-Dichloroethene (Total)	5	U
1634-04-4	-----Methyltertbutylether	5	U
67-66-3	-----Chloroform	5	U
107-06-2	-----1,2-Dichloroethane	5	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	5	U
56-23-5	-----Carbon Tetrachloride	5	U
108-05-4	-----Vinyl Acetate	10	U
75-27-4	-----Bromodichloromethane	5	U
78-87-5	-----1,2-Dichloropropane	5	U
10061-01-5	-----cis-1,3-Dichloropropene	5	U
79-01-6	-----Trichloroethene	5	U
124-48-1	-----Dibromochloromethane	5	U
79-00-5	-----1,1,2-Trichloroethane	5	U
71-43-2	-----Benzene	5	U
10061-02-6	-----trans-1,3-Dichloropropene	5	U
75-25-2	-----Bromoform	5	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	5	U
79-34-5	-----1,1,2,2-Tetrachloroethane	5	U
108-88-3	-----Toluene	5	U
108-90-7	-----Chlorobenzene	5	U
100-41-4	-----Ethylbenzene	5	U
100-42-5	-----Styrene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

PZ-02

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-5

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111721

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

PZ-02

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-5

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111721

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/17/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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
1.	No Volatiles Found			
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

TRIP BLANK 1

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-5

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111419

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	2	JB
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (Total)	5	U
1634-04-4-----	Methyltertbutylether	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
108-05-4-----	Vinyl Acetate	10	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-5

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111419

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

TRIP BLANK

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65579-5

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111419

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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
=====	=====	=====	=====	=====
1.	No Volatiles Found			
2.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

TRIP BLANK 2

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111406

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	5	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (Total)	5	U
1634-04-4-----	Methyltertbutylether	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
108-05-4-----	Vinyl Acetate	10	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

TRIP BLANK

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111406

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

TRIP BLANK

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65623-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111406

Level: (low/med) LOW

Date Received: 11/10/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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
1.	No Volatiles Found			
2.				
3.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK 3

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111418

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (Total)	5	U
1634-04-4	Methyltertbutylether	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

TRIP BLANK

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111418

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

TRIP BLANK

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65721-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: BE111418

Level: (low/med) LOW

Date Received: 11/14/00

%Moisture: not dec.

Date Analyzed: 11/14/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. _____	No Volatiles Found _____			
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK 4

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-6

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111506

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	0.05
74-83-9	-----Bromomethane	10	0.05
75-01-4	-----Vinyl Chloride	10	0.05
75-00-3	-----Chloroethane	10	0.05
75-09-2	-----Methylene Chloride	5	0.05
67-64-1	-----Acetone	10	0.05
75-15-0	-----Carbon Disulfide	5	0.05
75-35-4	-----1,1-Dichloroethene	5	0.05
75-34-3	-----1,1-Dichloroethane	5	0.05
540-59-0	-----1,2-Dichloroethene (Total)	5	0.05
1634-04-4	-----Methyltertbutylether	5	0.05
67-66-3	-----Chloroform	5	0.05
107-06-2	-----1,2-Dichloroethane	5	0.05
78-93-3	-----2-Butanone	10	0.05
71-55-6	-----1,1,1-Trichloroethane	5	0.05
56-23-5	-----Carbon Tetrachloride	5	0.05
108-05-4	-----Vinyl Acetate	10	0.05
75-27-4	-----Bromodichloromethane	5	0.05
78-87-5	-----1,2-Dichloropropane	5	0.05
10061-01-5	-----cis-1,3-Dichloropropene	5	0.05
79-01-6	-----Trichloroethene	5	0.05
124-48-1	-----Dibromochloromethane	5	0.05
79-00-5	-----1,1,2-Trichloroethane	5	0.05
71-43-2	-----Benzene	5	0.05
10061-02-6	-----trans-1,3-Dichloropropene	5	0.05
75-25-2	-----Bromoform	5	0.05
108-10-1	-----4-Methyl-2-Pentanone	10	0.05
591-78-6	-----2-Hexanone	10	0.05
127-18-4	-----Tetrachloroethene	5	0.05
79-34-5	-----1,1,2,2-Tetrachloroethane	5	0.05
108-88-3	-----Toluene	5	0.05
108-90-7	-----Chlorobenzene	5	0.05
100-41-4	-----Ethylbenzene	5	0.05
100-42-5	-----Styrene	5	0.05

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

TRIP BLANK

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-6

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111506

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

WJ

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

TRIP BLANK

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65768-6

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111506

Level: (low/med) LOW

Date Received: 11/15/00

%Moisture: not dec.

Date Analyzed: 11/15/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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
=====	=====	=====	=====	=====
1. _____	No Volatiles Found _____			
2. _____				
3. _____				
4. _____				
5. _____				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK 5

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-6

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111722

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/18/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (Total)	5	U
1634-04-4	Methyltertbutylether	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

TRIP BLANK

Lab Code: Case No.: 1

SAS No.: SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-6

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111722

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/18/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

TRIP BLANK

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65835-6

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD111722

Level: (low/med) LOW

Date Received: 11/16/00

%Moisture: not dec.

Date Analyzed: 11/18/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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
=====	=====	=====	=====	=====
1. _____	No Volatiles Found _____			
2. _____				
3. _____				
4. _____				
5. _____				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

TRIP BLANK 6

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65888-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD112009

Level: (low/med) LOW

Date Received: 11/17/00

%Moisture: not dec.

Date Analyzed: 11/20/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	2	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (Total)	5	U
1634-04-4-----	Methyltertbutylether	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
108-05-4-----	Vinyl Acetate	10	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

TRIP BLANK

Lab Code: Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65888-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD112009

Level: (low/med) LOW

Date Received: 11/17/00

%Moisture: not dec.

Date Analyzed: 11/20/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)

5

U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

TRIP BLANK

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) Water

Lab Sample ID: L65888-2

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD112009

Level: (low/med) LOW

Date Received: 11/17/00

%Moisture: not dec.

Date Analyzed: 11/20/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 0

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1. _____	No Volatiles Found _____			
2. _____				
3. _____				
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
12. _____				
13. _____				
14. _____				
15. _____				
16. _____				
17. _____				
18. _____				
19. _____				
20. _____				
21. _____				
22. _____				
23. _____				
24. _____				
25. _____				
26. _____				
27. _____				
28. _____				
29. _____				
30. _____				

SEMIVOLATILE ANALYSES

Introduction

Analyses were performed according to EPA SW-846 Method 8270 as referenced in the NYSDEC-ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The method specified holding times for semivolatile analyses under NYSASP are 5 days from sample receipt to extraction and 40 days to analysis. The technical holding times for waters are 7 days from sample collection to extraction and 40 days to analysis.

All samples were extracted and analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, field, and rinse blanks) are prepared to identify any contamination which may have been introduced in to the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

Di-n-butyl phthalates was detected in the method blanks. Based on the blank content, data for di-n-butyl phthalate have been qualified as undetected in samples *MW-02*, *MW-09*, *MW-11*, *MW-18S*, *MW-22D*, *MW-23S*, *MW-23SRE*, *MW-24S*, *MW-25S*, *MW-26S*, *MW-27S*, *MW-28S*, *MW-DUP-3*, *PZ-1D*, *PZ-1S* and *PZ-02*. In addition to di-n-butyl phthalate, several non-target compounds were also detected in the blanks. When common to the blank and samples, their presence in the samples have been rejected.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) limits for select compounds only and allows four outliers. A technical review of the data applies limits to all compounds with no exceptions.

The %RSD were less than 30% and the response factors were greater than 0.05 for all compounds, with the following exception:

Hexachlorobenzene 36.6%

Data for hexachlorobenzene have been qualified as estimated in all samples based on the %RSD.

4.2 Continuing Calibration

The response for several compounds in the continuing calibration standards were outside 25% difference (%D) of the initial calibration, as summarized on the attached calibration summary sheets. All positive data for compounds with increasing response factors and all data for compounds with decreasing responses (designated as negative values) have been qualified as estimated in the associated samples based on the %D.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

Recovery for one surrogate was outside control limits in samples MW-23SRE, MW-09, MW-09MS, MW-09MSD, MW-DUP-3DL, MW-04DL, MW-26SDL and MW-28S. Since the recoveries for the remaining surrogates were within control limits, no data have been qualified based on the deviations. Recoveries for two base/neutral surrogates were above control limits in samples MW-28D and PZ-02 and recoveries for four acid surrogates were above control limits in sample MW-02. All positive base/neutral compound data for samples MW-28D and PZ-02 and all acid compound data for MW-02 have been qualified as estimated based on the recoveries.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every experimental run.

The responses for two internal standards were below established limits in samples MW-23S, MW-23SRE, MW-27S, MW-27D, MW-DUP-3 and MW-04. Data for all compounds quantitated under the non-compliant standards have been qualified as estimated based on the deviations. The response for one internal standard was above and the response for one internal standard was below established limits in sample MW-02. All positive data for compounds quantitated under the high standard and all data for compounds quantitated under the low standards have been qualified as estimated based on the deviations. All other sample internal standard areas and retention times were within established limits.

7. Compound Identification

Compounds are identified on the GC/MS by using the analyte's relative retention time and ion spectra.

All identified compounds met the specified criteria.

Several volatile target and non-target compounds were included among the tentatively identified compounds listed as present in the samples. Since the measurement of these compounds is better suited to volatile analyses, their presence in this fraction have been rejected.

8. Matrix Spike/Matrix Spike Duplicate

Matrix spike, matrix spike duplicate data are used to assess the precision and accuracy of the analytical method.

All matrix spike and matrix spike duplicate recoveries and relative percent differences between recoveries were within control limits.

9. Matrix Spike Blank

All matrix spike blank recoveries were within control limits.

10. Field Duplicate

Results for duplicate samples are summarized below:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-26D / MW-DUP-3	naphthalene	5300	4200	23.2%
	2-methyl naphthalene	160	150J	6.4%
	acenaphthylene	ND	5J	NA
	acenaphthene	190	210J	10.0%
	fluorene	74J	70	5.6%
	phenanthrene	92J	100J	8.3%
	anthracene	ND	8J	NA
	carbazole	ND	3J	NA
	fluoranthene	ND	3J	NA
	pyrene	ND	6J	NA

ND Not detected.

NA Analyte not detected in sample and/or duplicate. RPD not applicable.

The duplicate results are acceptable.

11. System Performance and Overall Assessment

Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checksheets

Semivolatile Organics Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?	<u> </u>	<u> X </u>	<u> </u>
Is there a narrative or cover letter present?	<u> X </u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> </u>	<u> X </u>	<u> </u>
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u> X </u>	<u> </u>
<u>Holding Times</u>			
Have any holding times been exceeded?	<u> </u>	<u> X </u>	<u> </u>
<u>Surrogate Recovery</u>			
Are the surrogate recovery forms present?	<u> X </u>	<u> </u>	<u> </u>
Are all the samples listed on the appropriate surrogate recovery form?	<u> X </u>	<u> </u>	<u> </u>
Were two or more base-neutral or acid surrogate recoveries outside of specified limits for any sample or blank?	<u> X </u>	<u> </u>	<u> </u>
If yes, were the samples reanalyzed?	<u> </u>	<u> X </u>	<u> </u>
Are there any transcription/calculation errors between the raw data and the summary form?	<u> </u>	<u> X </u>	<u> </u>
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>	<u> </u>	<u> </u>
Were matrix spikes analyzed at the required frequency	<u> X </u>	<u> </u>	<u> </u>
How many spike recoveries were outside of QC limits?			
<u> 0 </u> out of <u> 22 </u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
<u> 0 </u> out of <u> 11 </u>			
<u>Blanks</u>			
Is the method blank summary form present?	<u> X </u>	<u> </u>	<u> </u>
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u> X </u>	<u> </u>	<u> </u>
Has a blank been analyzed for each GC/MS system used?	<u> X </u>	<u> </u>	<u> </u>
Do any method blanks have positive results?	<u> X </u>	<u> </u>	<u> </u>

Semivolatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
Do any field/rinse blanks have positive results?	_____	_____	<u>X</u>
Are there field/rinse blanks associated with every sample?	_____	<u>X</u>	_____
<u>Tuning and Mass Calibration</u>			
Are the GC/MS tuning forms present for DFTPP?	<u>X</u>	_____	_____
Are the bar graph spectrum and mass/charge listing provided for each DFTPP?	<u>X</u>	_____	_____
Has a DFTPP been analyzed for each twelve hours of analysis per instrument?	<u>X</u>	_____	_____
Have the ion abundance criteria been met for each instrument used?	<u>X</u>	_____	_____
<u>Target Analytes</u>			
Is an organics analysis data sheet present for each of the following:			
Samples	<u>X</u>	_____	_____
Matrix spikes	<u>X</u>	_____	_____
Blanks	<u>X</u>	_____	_____
Are the reconstructed ion chromatograms present for each of the following:			
Samples	<u>X</u>	_____	_____
Matrix spikes	<u>X</u>	_____	_____
Blanks	<u>X</u>	_____	_____
Is the chromatographic performance acceptable?	<u>X</u>	_____	_____
Are the mass spectra of the identified compounds present?	<u>X</u>	_____	_____
Are all ions present in the standard mass spectrum at a relative intensity of 10% or greater also present in the sample spectrum?	<u>X</u>	_____	_____
Do the samples and standard relative ion intensities agree within 20%?	<u>X</u>	_____	_____
<u>Tentatively Identified Compounds</u>			
Are all the TIC summary forms present?	<u>X</u>	_____	_____
Are the mass spectra for the tentatively identified compounds and their associated "best match" spectra present?	<u>X</u>	_____	_____
Are any target compounds listed as TICs?	<u>X</u>	_____	_____

Semivolatile Organics Data Validation Checklist - Page 3

	YES	NO	NA
Are all ion present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u>X</u>	<u> </u>	<u> </u>
Do the TIC and "best match" spectrum agree within 20%?	<u>X</u>	<u> </u>	<u> </u>
<u>Quantitation and Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	<u> </u>	<u>X</u>	<u> </u>
Are the reporting limits adjusted to reflect sample dilutions, and for soils, sample moisture?	<u>X</u>	<u> </u>	<u> </u>
<u>Standard Data</u>			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	<u>X</u>	<u> </u>	<u> </u>
<u>Initial Calibration</u>			
Are the initial calibration forms present for each instrument used?	<u>X</u>	<u> </u>	<u> </u>
Are the response factor RSDs within acceptable limits?	<u> </u>	<u>X</u>	<u> </u>
Are the average RRF equal to or greater than minimum requirements?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation error in reporting the RRF or RSD?	<u> </u>	<u>X</u>	<u> </u>
<u>Continuing Calibration</u>			
Are the continuing calibration forms present for each day and each instrument?	<u>X</u>	<u> </u>	<u> </u>
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
All %D within acceptable limits?	<u> </u>	<u>X</u>	<u> </u>
Are all RF equal to or greater than minimum requirements?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting of RF or %D?	<u> </u>	<u>X</u>	<u> </u>
<u>Internal Standards</u>			
Are internal standard areas of every samples and blank within the upper and lower limits for each continuing calibration?	<u> </u>	<u>X</u>	<u> </u>

Semivolatile Organics Data Validation Checklist - Page 4

	YES	NO	NA
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	_____	<u> X </u>	_____
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u> X </u>	_____	_____

Semivolatile Qualifier Summary
Holding Time, Surrogates, Internal Standards

Sample ID	Holding Time*	Surrogates*								Internal Standards*					
		N B Z	F B P	T P H	D C B	P H L	2 F P	T B P	2 C P	D C B	N P T	A N T	P H N	C R Y	P R Y
MW-18S															
MW-18SDL															
MW-22D															
MW-23S														I	I
MW-23SRE				I										I	I
MW-24S															
MW-25S															
PZ-1D															
PZ-1S															
MW-26D															
MW-26DDL								I							
MW-27S														I	I
MW-27SDL															
MW-27D														I	I
MW-27DDL															
MW-DUP-3														I	I
MW-DUP-3DL				I											
MW-02		I	I			I	I	I	I	I	I				
MW-02DL		D	D	D	D	D	D	D	D						
MW-09				I											
MW-09MS				I											
MW-09MSD				I											
MW-04														I	I
MW-04DL				I											
MW-28D			I	I											
MW-28DDL															
MW-28S		I													
MW-28SDL															
MW-11															
PZ-02			I	I											
MW-26S															

Sample ID	Holding Time*	Surrogates*								Internal Standards*					
		N	F	T	D	P	2	T	2	D	N	A	P	C	P
		B	B	P	C	H	F	B	C	C	P	N	H	R	R
		Z	P	H	B	L	P	P	P	B	T	T	N	Y	Y
MW-26SDL															

Surrogates:

NBZ Nitrobenzene-d5
 FBP 2-Fluorobiphenyl
 TPH Terphenyl-d14
 DCB 1,2-Dichlorobenzene-d4
 PHL Phenol-d6
 2FP 2-Fluorophenol
 TBP 2,4,6-Tribromophenol
 2CP 2-Chlorophenol-d4

Internal Standards:

DCB 1,4-Dichlorobenzene-d4
 NPT Naphthalene-d8
 ANT Acenaphthene-d10
 PHN Phenanthrene-d10
 CRY Chrysene-d12
 PRY Perylene-d12

Qualifiers:

D Diluted
 l Recovery low
 i Recovery high
 na not applicable

* Unless otherwise specified, all parameters are within acceptable limits.

Semivolatile Calibration Outliers

Instrument: MS E

Date/Time	11/17/00		11/20 0832		11/21 0756		11/21 1459		11/27 1024	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
Benzoic acid										
Phenol										
bis(2-Chloroethyl)ether										
2-Chlorophenol										
1,3-Dichlorobenzene										
1,4-Dichlorobenzene										
1,2-Dichlorobenzene										
Benzyl Alcohol										
2-Methylphenol										
2,2'oxybis(1-Chloropropane)										
4-Methylphenol										
N-Nitroso-di-n-propylamine										
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dimethylphenol										
bis(2-Chloroethoxy)methane										
2,4-Dichlorophenol										
1,2,4-Trichlorobenzene										
Naphthalene										
4-Chloroaniline										
Hexachlorobutadiene										
4-Chloro-3-methylphenol										
2-Methylnaphthalene										
Hexachlorocyclopentadiene										
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol										
2-Chloronaphthalene										
2-Nitroaniline										
Dimethyl phthalate										
Acenaphthylene										
2,6-Dinitrotoluene										
3-Nitroaniline										
Acenaphthene										

Semivolatile Calibration Outliers - Page 2

Date/Time	11/17/00		11/20 0832		11/21 0756		11/21 1459		11/27 1024	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
2,4-Dinitrophenol										
4-Nitrophenol										
Dibenzofuran										
2,4-Dinitrotoluene										
Diethylphthalate										
Fluorene										
4-Chlorophenyl-phenylether										
4,6-Dinitro-2-methylphenol										
N-Nitrosodiphenylamine										
4-Bromophenyl-phenylether										
Hexachlorobenzene		36.6					67.3		63.1	
Pentachlorophenol										
Phenanthrene										
Anthracene										
Carbazole										
Di-n-butylphthalate										
Fluoranthene										
Pyrene										
Butylbenzylphthalate										
Benzo(a)anthracene										
3,3'-Dichlorobenzidine						-26.8				
Chrysene										
bis(2-ethylhexyl)phthalate										
Di-n-octylphthalate										
Benzo(b)fluoranthene										
Benzo(k)fluoranthene										
Benzo(a)pyrene										
Indeno(1,2,3-cd)pyrene										
Dibenz(a,h)anthracene										
Benzo(g,h,i)perylene										29.5
Affected Samples:	all samples				mw28d		mw04		mw26ddl	
					mw28s				mw26d	
					mw11				mw27sdl	
					pz02				mw27ddl	
					mw02				mwdup3dl	
					mw09				mw28ddl	

Semivolatile Calibration Outliers - Page 3

Date/Time	11/17/00		11/20 0832		11/21 0756		11/21 1459		11/27 1024	
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
					mw09ms				mw28sdl	
					mw09msd				mw02dl	
									mw04dl	

Semivolatile Calibration Outliers - Page 4

Instrument: MS E

Date/Time			11/28 1011		11/29 1031					
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
Benzoic acid										
Phenol										
bis(2-Chloroethyl)ether										
2-Chlorophenol										
1,3-Dichlorobenzene										
1,4-Dichlorobenzene										
1,2-Dichlorobenzene										
Benzyl Alcohol										
2-Methylphenol										
2,2'oxybis(1-Chloropropane)										
4-Methylphenol										
N-Nitroso-di-n-propylamine										
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dimethylphenol										
bis(2-Chloroethoxy)methane										
2,4-Dichlorophenol										
1,2,4-Trichlorobenzene										
Naphthalene										
4-Chloroaniline										
Hexachlorobutadiene										
4-Chloro-3-methylphenol										
2-Methylnaphthalene										
Hexachlorocyclopentadiene										
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol										
2-Chloronaphthalene										
2-Nitroaniline										
Dimethyl phthalate										
Acenaphthylene										
2,6-Dinitrotoluene										
3-Nitroaniline										
Acenaphthene										

Semivolatile Calibration Outliers - Page 5

Date/Time			11/28 1011		11/29 1031					
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
2,4-Dinitrophenol										
4-Nitrophenol										
Dibenzofuran										
2,4-Dinitrotoluene										
Diethylphthalate										
Fluorene										
4-Chlorophenyl-phenylether										
4,6-Dinitro-2-methylphenol										
N-Nitrosodiphenylamine										
4-Bromophenyl-phenylether										
Hexachlorobenzene										
Pentachlorophenol										
Phenanthrene										
Anthracene										
Carbazole										
Di-n-butylphthalate										
Fluoranthene										
Pyrene										
Butylbenzylphthalate										
Benzo(a)anthracene										
3,3'-Dichlorobenzidine										
Chrysene										
bis(2-ethylhexyl)phthalate										
Di-n-octylphthalate										
Benzo(b)fluoranthene										
Benzo(k)fluoranthene										
Benzo(a)pyrene										
Indeno(1,2,3-cd)pyrene										
Dibenz(a,h)anthracene										
Benzo(g,h,i)perylene				30.7						
Affected Samples:			mw26s							

Corrected Sample Analysis Data Sheets

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-02

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112110

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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	7100 13000	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	490	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	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	470	U
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-02

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112110

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	240	E
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	7	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	61	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	12	U
84-74-2-----	Di-n-butylphthalate	210	U
206-44-0-----	Fluoranthene	3	U
129-00-0-----	Pyrene	6	U
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	1	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1	U
117-84-0-----	Di-n-octylphthalate	10	U
205-99-2-----	Benzo(b)fluoranthene	10	U
207-08-9-----	Benzo(k)fluoranthene	10	U
50-32-8-----	Benzo(a)pyrene	1	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	U
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-02

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112110

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000108-88-3	Toluene	1.52	10	J
2. 000108-88-3	Toluene	1.59	48	J
3. 000100-41-4	Ethylbenzene	2.87	34	J
4.	Unknown C8H10	3.69	28	J
5.	Unknown C9H12	5.20	22	J
6.	Unknown PAH	8.32	4	J
7. 000275-51-4	Azulene	8.99	20	J
8. 000090-12-0	Naphthalene, 1-methyl-	10.44	4	J
9.	Unknown	10.97	35	J
10. 000827-54-3	Naphthalene, 2-ethenyl-	11.09	7	J
11.	Unknown	11.24	7	J
12.	Substituted Naphthalene	11.52	6	J
13.	Unknown	12.82	5	J
14.	Unknown PAH	13.18	7	J
15.	Unknown	17.13	16	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-02 DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-1DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112720

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
65-85-0	Benzoic acid	2000	U D
108-95-2	Phenol	2000	U D
111-44-4	bis(2-Chloroethyl) ether	2000	U D
95-57-8	2-Chlorophenol	2000	U D
541-73-1	1,3-Dichlorobenzene	2000	U D
106-46-7	1,4-Dichlorobenzene	2000	U D
95-50-1	1,2-Dichlorobenzene	2000	U D
100-51-6	Benzyl alcohol	2000	U D
95-48-7	2-Methylphenol	2000	U D
	bis(2-Chloroisopropyl) ether	2000	U D
106-44-5	4-Methylphenol	2000	U D
621-64-7	N-Nitroso-di-n-propylamine	2000	U D
67-72-1	Hexachloroethane	2000	U D
98-95-3	Nitrobenzene	2000	U D
78-59-1	Isophorone	2000	U D
88-75-5	2-Nitrophenol	2000	U D
105-67-9	2,4-Dimethylphenol	2000	U D
111-91-1	bis(2-Chloroethoxy)methane	2000	U D
120-83-2	2,4-Dichlorophenol	2000	U D
120-82-1	1,2,4-Trichlorobenzene	2000	U D
91-20-3	Naphthalene	13000	D
106-47-8	4-Chloroaniline	2000	U D
87-68-3	Hexachlorobutadiene	2000	U D
59-50-7	4-Chloro-3-methylphenol	2000	U D
91-57-6	2-Methylnaphthalene	460	JD
77-47-4	Hexachlorocyclopentadiene	2000	U D
88-06-2	2,4,6-Trichlorophenol	2000	U D
95-95-4	2,4,5-Trichlorophenol	2000	U D
91-58-7	2-Chloronaphthalene	2000	U D
88-74-4	2-Nitroaniline	5000	U D
131-11-3	Dimethylphthalate	2000	U D
208-96-8	Acenaphthylene	2000	U D
606-20-2	2,6-Dinitrotoluene	2000	U D

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-02 DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-1DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112720

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	5000	U D
83-32-9-----	Acenaphthene	2000	U D
51-28-5-----	2,4-Dinitrophenol	5000	U D
100-02-7-----	4-Nitrophenol	5000	U D
132-64-9-----	Dibenzofuran	2000	U D
121-14-2-----	2,4-Dinitrotoluene	2000	U D
84-66-2-----	Diethylphthalate	2000	U D
86-73-7-----	Fluorene	2000	U D
7005-72-3-----	4-Chlorophenyl-phenylether	2000	U D
100-01-6-----	4-Nitroaniline	5000	U D
534-52-1-----	4,6-Dinitro-2-methylphenol	5000	U D
86-30-6-----	N-Nitrosodiphenylamine	2000	U D
101-55-3-----	4-Bromophenyl-phenylether	2000	U D
118-74-1-----	Hexachlorobenzene	2000	U D
87-86-5-----	Pentachlorophenol	5000	U D
85-01-8-----	Phenanthrene	2000	U D
120-12-7-----	Anthracene	2000	U D
86-74-8-----	Carbazole	2000	U D
84-74-2-----	Di-n-butylphthalate	2000	U D
206-44-0-----	Fluoranthene	2000	U D
129-00-0-----	Pyrene	2000	U D
85-68-7-----	Butylbenzylphthalate	2000	U D
56-55-3-----	Benzo(a)anthracene	2000	U D
91-94-1-----	3,3'-Dichlorobenzidine	4000	U D
218-01-9-----	Chrysene	2000	U D
117-81-7-----	bis(2-Ethylhexyl)phthalate	2000	U D
117-84-0-----	Di-n-octylphthalate	2000	U D
205-99-2-----	Benzo(b)fluoranthene	2000	U D
207-08-9-----	Benzo(k)fluoranthene	2000	U D
50-32-8-----	Benzo(a)pyrene	2000	U D
193-39-5-----	Indeno(1,2,3-cd)pyrene	2000	U D
53-70-3-----	Dibenzo(a,h)anthracene	2000	U D
191-24-2-----	Benzo(g,h,i)perylene	2000	U D

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-02 DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-1 DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112720

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 200.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 12

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000108-88-3	Toluene	1.44	740	J
2. 000100-41-4	Ethylbenzene	2.63	4100	J
3. _____	Unknown C8H10	2.82	2400	J
4. _____	Unknown C8H10	3.28	780	J
5. _____	Unknown C9H12	4.92	690	J
6. _____	Unknown C9H12	5.57	890	J
7. _____	Unknown	6.26	460	J
8. 000095-13-6	Indene	6.43	6600	J
9. _____	Unknown C10H10	8.06	410	J
10. _____	Unknown C8H6S	8.63	460	J
11. _____	Unknown	10.10	720	J
12. _____	Unknown	10.73	440	J
13. _____				
14. _____				
15. _____				
16. _____				
17. _____				
18. _____				
19. _____				
20. _____				
21. _____				
22. _____				
23. _____				
24. _____				
25. _____				
26. _____				
27. _____				
28. _____				
29. _____				
30. _____				

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-04

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-5

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112136

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	7	J
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	21	
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	21	
120-12-7-----	Anthracene	3	J
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
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

SAMPLE NO.

Contract: Blasland, B

MW-04

CPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

FORM I SV-I

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-04

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-5

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112136

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/22/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 15

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.04	14	JB
2. 000108-88-3	Toluene	1.51	22	J
3. 000100-41-4	Ethylbenzene	2.75	86	J
4. 000108-38-3	Benzene, 1,3-dimethyl-	2.97	82	J
5.	Unknown C8H10	3.42	24	J
6. 000103-65-1	Benzene, propyl-	4.84	7	J
7.	Unknown C9H12	5.01	11	J
8.	Unknown C9H12	5.08	16	J
9.	Unknown C9H12	5.35	14	J
10.	Unknown C9H12	5.70	83	J
11.	Unknown C9H12	6.14	20	J
12. 000496-11-7	Indane	6.35	17	J
13.	Unknown C10H14	7.05	6	J
14.	Unknown	10.92	650	J
15. 000827-54-3	Naphthalene, 2-ethenyl-	11.00	61	J
16.				
17.				
18.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-04 DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-5DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112721

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 25.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

65-85-0-----	Benzoic acid	250	U D
108-95-2-----	Phenol	250	U D
111-44-4-----	bis(2-Chloroethyl) ether	250	U D
95-57-8-----	2-Chlorophenol	250	U D
541-73-1-----	1,3-Dichlorobenzene	250	U D
106-46-7-----	1,4-Dichlorobenzene	250	U D
95-50-1-----	1,2-Dichlorobenzene	250	U D
100-51-6-----	Benzyl alcohol	250	U D
95-48-7-----	2-Methylphenol	250	U D
-----	bis(2-Chloroisopropyl) ether	250	U D
106-44-5-----	4-Methylphenol	250	U D
621-64-7-----	N-Nitroso-di-n-propylamine	250	U D
67-72-1-----	Hexachloroethane	250	U D
98-95-3-----	Nitrobenzene	250	U D
78-59-1-----	Isophorone	250	U D
88-75-5-----	2-Nitrophenol	250	U D
105-67-9-----	2,4-Dimethylphenol	250	U D
111-91-1-----	bis(2-Chloroethoxy) methane	250	U D
120-83-2-----	2,4-Dichlorophenol	250	U D
120-82-1-----	1,2,4-Trichlorobenzene	250	U D
91-20-3-----	Naphthalene	1500	D
106-47-8-----	4-Chloroaniline	250	U D
87-68-3-----	Hexachlorobutadiene	250	U D
59-50-7-----	4-Chloro-3-methylphenol	250	U D
91-57-6-----	2-Methylnaphthalene	55	JD
77-47-4-----	Hexachlorocyclopentadiene	250	U D
88-06-2-----	2,4,6-Trichlorophenol	250	U D
95-95-4-----	2,4,5-Trichlorophenol	250	U D
91-58-7-----	2-Chloronaphthalene	250	U D
88-74-4-----	2-Nitroaniline	620	U D
131-11-3-----	Dimethylphthalate	250	U D
208-96-8-----	Acenaphthylene	31	JD
606-20-2-----	2,6-Dinitrotoluene	250	U D

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-04 DL

Lab Code: Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-5DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112721

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 25.0

GPC Cleanup: (Y/N) N pH: 7.0

		CONCENTRATION UNITS:	
CAS NO.	COMPOUND	(ug/L or ug/kg) ug/l	Q
99-09-2	3-Nitroaniline	620	U D
83-32-9	Acenaphthene	250	U D
51-28-5	2,4-Dinitrophenol	620	U D
100-02-7	4-Nitrophenol	620	U D
132-64-9	Dibenzofuran	250	U D
121-14-2	2,4-Dinitrotoluene	250	U D
84-66-2	Diethylphthalate	250	U D
86-73-7	Fluorene	250	U D
7005-72-3	4-Chlorophenyl-phenylether	250	U D
100-01-6	4-Nitroaniline	620	U D
534-52-1	4,6-Dinitro-2-methylphenol	620	U D
86-30-6	N-Nitrosodiphenylamine	250	U D
101-55-3	4-Bromophenyl-phenylether	250	U D
118-74-1	Hexachlorobenzene	250	U D
87-86-5	Pentachlorophenol	620	U D
85-01-8	Phenanthrene	250	U D
120-12-7	Anthracene	250	U D
86-74-8	Carbazole	250	U D
84-74-2	Di-n-butylphthalate	250	U D
206-44-0	Fluoranthene	250	U D
129-00-0	Pyrene	250	U D
85-68-7	Butylbenzylphthalate	250	U D
56-55-3	Benzo(a)anthracene	250	U D
91-94-1	3,3'-Dichlorobenzidine	500	U D
218-01-9	Chrysene	250	U D
117-81-7	bis(2-Ethylhexyl)phthalate	250	U D
117-84-0	Di-n-octylphthalate	250	U D
205-99-2	Benzo(b)fluoranthene	250	U D
207-08-9	Benzo(k)fluoranthene	250	U D
50-32-8	Benzo(a)pyrene	250	U D
193-39-5	Indeno(1,2,3-cd)pyrene	250	U D
53-70-3	Dibenzo(a,h)anthracene	250	U D
191-24-2	Benzo(g,h,i)perylene	250	U D

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-04 DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-5 DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112721

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 25.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/kg) ug/l

Number TICS found: 12

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000108-88-3	Toluene	1.46	78	J
2.	Unknown C8H10	2.63	370	J
3.	Unknown	2.83	350	J
4.	Unknown C8H10	3.28	110	J
5.	Unknown C9H12	4.98	74	J
6.	Unknown C9H12	5.25	63	J
7.	Unknown C9H12	5.57	320	J
8.	Unknown C9H12	6.05	91	J
9. 000496-11-7	Indane	6.26	83	J
10.	Unknown C11H10	10.11	150	J
11. 000092-52-4	Biphenyl	10.90	64	J
12.	Unknown	17.10	1600	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-09

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-2

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112111

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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
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	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	26	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-09

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-2

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112111

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	26	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	26	U
100-02-7-----	4-Nitrophenol	26	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	26	U
534-52-1-----	4,6-Dinitro-2-methylphenol	26	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	26	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	210	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	21	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-09

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65768-2

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112111

Level: (low/med) LOW

Date Received: 11/15/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.08	44	JB
2.	Unknown	1.64	4	JB
3.	Unknown	4.57	5	J
4. 000096-19-5	1-Propene, -trichloro-	4.76	7	J
5.	Unknown	9.64	8	J
6.	Unknown	10.93	360	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-11

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-4

Sample wt/vol: 900 (g/mL) mL

Lab File ID: ED112108

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

65-85-0-----	Benzoic acid	11	U
108-95-2-----	Phenol	11	U
111-44-4-----	bis(2-Chloroethyl) ether	11	U
95-57-8-----	2-Chlorophenol	11	U
541-73-1-----	1,3-Dichlorobenzene	11	U
106-46-7-----	1,4-Dichlorobenzene	11	U
95-50-1-----	1,2-Dichlorobenzene	11	U
100-51-6-----	Benzyl alcohol	11	U
95-48-7-----	2-Methylphenol	11	U
-----	bis(2-Chloroisopropyl) ether	11	U
106-44-5-----	4-Methylphenol	11	U
621-64-7-----	N-Nitroso-di-n-propylamine	11	U
67-72-1-----	Hexachloroethane	11	U
98-95-3-----	Nitrobenzene	11	U
78-59-1-----	Isophorone	11	U
88-75-5-----	2-Nitrophenol	11	U
105-67-9-----	2,4-Dimethylphenol	11	U
111-91-1-----	bis(2-Chloroethoxy) methane	11	U
120-83-2-----	2,4-Dichlorophenol	11	U
120-82-1-----	1,2,4-Trichlorobenzene	11	U
91-20-3-----	Naphthalene	11	U
106-47-8-----	4-Chloroaniline	11	U
87-68-3-----	Hexachlorobutadiene	11	U
59-50-7-----	4-Chloro-3-methylphenol	11	U
91-57-6-----	2-Methylnaphthalene	11	U
77-47-4-----	Hexachlorocyclopentadiene	11	U
88-06-2-----	2,4,6-Trichlorophenol	11	U
95-95-4-----	2,4,5-Trichlorophenol	11	U
91-58-7-----	2-Chloronaphthalene	11	U
88-74-4-----	2-Nitroaniline	28	U
131-11-3-----	Dimethylphthalate	11	U
208-96-8-----	Acenaphthylene	11	U
606-20-2-----	2,6-Dinitrotoluene	11	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-11

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-4

Sample wt/vol: 900 (g/mL) mL

Lab File ID: ED112108

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q

99-09-2-----	3-Nitroaniline	28	U
83-32-9-----	Acenaphthene	11	U
51-28-5-----	2,4-Dinitrophenol	28	U
100-02-7-----	4-Nitrophenol	28	U
132-64-9-----	Dibenzofuran	11	U
121-14-2-----	2,4-Dinitrotoluene	11	U
84-66-2-----	Diethylphthalate	11	U
86-73-7-----	Fluorene	11	U
7005-72-3-----	4-Chlorophenyl-phenylether	11	U
100-01-6-----	4-Nitroaniline	28	U
534-52-1-----	4,6-Dinitro-2-methylphenol	28	U
86-30-6-----	N-Nitrosodiphenylamine	11	U
101-55-3-----	4-Bromophenyl-phenylether	11	U
118-74-1-----	Hexachlorobenzene	11	U
87-86-5-----	Pentachlorophenol	28	U
85-01-8-----	Phenanthrene	11	U
120-12-7-----	Anthracene	11	U
86-74-8-----	Carbazole	11	U
84-74-2-----	Di-n-butylphthalate	211	U
206-44-0-----	Fluoranthene	11	U
129-00-0-----	Pyrene	11	U
85-68-7-----	Butylbenzylphthalate	11	U
56-55-3-----	Benzo(a)anthracene	11	U
91-94-1-----	3,3'-Dichlorobenzidine	22	U
218-01-9-----	Chrysene	11	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	11	U
117-84-0-----	Di-n-octylphthalate	11	U
205-99-2-----	Benzo(b)fluoranthene	11	U
207-08-9-----	Benzo(k)fluoranthene	11	U
50-32-8-----	Benzo(a)pyrene	11	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	11	U
53-70-3-----	Dibenzo(a,h)anthracene	11	U
191-24-2-----	Benzo(g,h,i)perylene	11	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-11

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-4

Sample wt/vol: 900 (g/mL) mL

Lab File ID: ED112108

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 17

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.07	48	JB
2.	Unknown	1.64	4	JB
3.	Unknown	1.90	4	JB
4.	Unknown	4.28	2	J
5.	Unknown	4.57	4	J
6.	Unknown	4.76	5	J
7.	Unknown	7.75	3	J
8.	Unknown	9.10	5	J
9.	Unknown	9.64	3	J
10.	Unknown	10.30	2	J
11.	Unknown	11.90	4	J
12.	Unknown	12.64	14	J
13.	Unknown	16.51	4	J
14.	Unknown	17.14	4	J
15.	Unknown	17.90	3	J
16.	Unknown	18.06	3	J
17.	Unknown	19.62	6	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-18S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112008

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

65-85-0-----	Benzoic acid	10	U
108-95-2-----	Phenol	10	
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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	760	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	2	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-18S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112008

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	4	J
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
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
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-18S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112008

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 10

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.08	9	JB
2.	Unknown	2.02	48	J
3. 000100-41-4	Ethylbenzene	2.80	130	J
4. 000108-38-3	Benzene, 1,3-dimethyl-	3.48	24	J
5. 000496-11-7	Indane	6.43	170	J
6. 000673-32-5	Benzene, 1-propynyl-	6.55	9	J
7. 000090-15-3	1-Naphthalenol	12.45	9	J
8. 000050-84-0	Benzoic acid, 2,4-dichloro-	12.67	28	J
9.	Unknown	12.75	18	J
10.	Unknown	13.04	8	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-18S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-1DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112019

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pK: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

65-85-0-----	Benzoic acid	200	U D
108-95-2-----	Phenol	200	U D
111-44-4-----	bis(2-Chloroethyl) ether	200	U D
95-57-8-----	2-Chlorophenol	200	U D
541-73-1-----	1,3-Dichlorobenzene	200	U D
106-46-7-----	1,4-Dichlorobenzene	200	U D
95-50-1-----	1,2-Dichlorobenzene	200	U D
100-51-6-----	Benzyl alcohol	200	U D
95-48-7-----	2-Methylphenol	200	U D
-----	bis(2-Chloroisopropyl) ether	200	U D
106-44-5-----	4-Methylphenol	200	U D
621-64-7-----	N-Nitroso-di-n-propylamine	200	U D
67-72-1-----	Hexachloroethane	200	U D
98-95-3-----	Nitrobenzene	200	U D
78-59-1-----	Isophorone	200	U D
88-75-5-----	2-Nitrophenol	200	U D
105-67-9-----	2,4-Dimethylphenol	200	U D
111-91-1-----	bis(2-Chloroethoxy) methane	200	U D
120-83-2-----	2,4-Dichlorophenol	200	U D
120-82-1-----	1,2,4-Trichlorobenzene	200	U D
91-20-3-----	Naphthalene	530	D
106-47-8-----	4-Chloroaniline	200	U D
87-68-3-----	Hexachlorobutadiene	200	U D
59-50-7-----	4-Chloro-3-methylphenol	200	U D
91-57-6-----	2-Methylnaphthalene	200	U D
77-47-4-----	Hexachlorocyclopentadiene	200	U D
88-06-2-----	2,4,6-Trichlorophenol	200	U D
95-95-4-----	2,4,5-Trichlorophenol	200	U D
91-58-7-----	2-Chloronaphthalene	200	U D
88-74-4-----	2-Nitroaniline	500	U D
131-11-3-----	Dimethylphthalate	200	U D
208-96-8-----	Acenaphthylene	200	U D
606-20-2-----	2,6-Dinitrotoluene	200	U D

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-18S DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-1DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112019

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
99-09-2-----	3-Nitroaniline	500	U D
83-32-9-----	Acenaphthene	200	U D
51-28-5-----	2,4-Dinitrophenol	500	U D
100-02-7-----	4-Nitrophenol	500	U D
132-64-9-----	Dibenzofuran	200	U D
121-14-2-----	2,4-Dinitrotoluene	200	U D
84-66-2-----	Diethylphthalate	200	U D
86-73-7-----	Fluorene	200	U D
7005-72-3-----	4-Chlorophenyl-phenylether	200	U D
100-01-6-----	4-Nitroaniline	500	U D
534-52-1-----	4,6-Dinitro-2-methylphenol	500	U D
86-30-6-----	N-Nitrosodiphenylamine	200	U D
101-55-3-----	4-Bromophenyl-phenylether	200	U D
118-74-1-----	Hexachlorobenzene	200	U D
87-86-5-----	Pentachlorophenol	500	U D
85-01-8-----	Phenanthrene	200	U D
120-12-7-----	Anthracene	200	U D
86-74-8-----	Carbazole	200	U D
84-74-2-----	Di-n-butylphthalate	200	U D
206-44-0-----	Fluoranthene	200	U D
129-00-0-----	Pyrene	200	U D
85-68-7-----	Butylbenzylphthalate	200	U D
56-55-3-----	Benzo(a)anthracene	200	U D
91-94-1-----	3,3'-Dichlorobenzidine	400	U D
218-01-9-----	Chrysene	200	U D
117-81-7-----	Bis(2-Ethylhexyl)phthalate	200	U D
117-84-0-----	Di-n-octylphthalate	200	U D
205-99-2-----	Benzo(b)fluoranthene	200	U D
207-08-9-----	Benzo(k)fluoranthene	200	U D
50-32-8-----	Benzo(a)pyrene	200	U D
193-39-5-----	Indeno(1,2,3-cd)pyrene	200	U D
53-70-3-----	Dibenzo(a,h)anthracene	200	U D
191-24-2-----	Benzo(g,h,i)perylene	200	U D

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-18S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-1 DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112019

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.03	42	J
2.	Unknown	2.78	130	J
3. 000496-11-7	Indane	6.38	160	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-22D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-2

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112009

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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
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	10	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-22D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-2

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112009

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
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
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-22D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-2

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112009

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.08	46	JB
2.	Unknown	1.64	3	JB
3.	Unknown	2.22	2	J
4.	Unknown	3.57	2	J
5. 000050-84-0	Benzoic acid, -dichloro-	12.62	23	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-23S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-3

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112010

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

65-85-0-----	Benzoic acid	10	U
108-95-2-----	Phenol	19	
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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	3	J
106-47-8-----	4-Chloroaniline	10	U
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	10	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-23S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-3

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112010

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	79	
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	4	J
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	2	J
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	1	J
84-74-2-----	Di-n-butylphthalate	210	JBU
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	2	J
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-23S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-3

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112010

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.08	40	JB
2.	Unknown C9H12	4.24	14	J
3.	Unknown C9H12	6.19	19	J
4. 000496-11-7	Indane	6.49	1300	J
5.	Unknown C10H12	8.03	41	J
6.	Unknown C10H12	8.15	63	J
7.	Unknown C9H10O	9.29	19	J
8. 000123-11-5	Benzaldehyde, 4-methoxy-	9.55	16	J
9. 000083-33-0	1H-Inden-1-one, 2,3-dihydro-	9.89	49	J
10. 000090-12-0	Naphthalene, 1-methyl-	10.25	96	J
11. 001470-94-6	1H-Inden-5-ol, 2,3-dihydro-	10.63	27	J
12. 000050-45-3	Benzoic acid, -dichloro-	12.74	39	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-23S R

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-3R

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112020

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

65-85-0-----	Benzoic acid	10	U
108-95-2-----	Phenol	20	
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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	4	J
106-47-8-----	4-Chloroaniline	10	U
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	10	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-23S R

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-3R

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112020

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	75	
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	3	J
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	2	J
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	210	JB U
206-44-0-----	Fluoranthene	10	J
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	2	J
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-23S R

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-3 R

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112020

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 12

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.09	37	JB
2.	Unknown	4.26	14	J
3.	Unknown C9H12	6.20	19	J
4. 000496-11-7	Indane	6.50	1400	J
5.	Unknown C10H12	8.03	40	J
6.	Unknown C10H12	8.16	64	J
7.	Unknown C9H10O	9.30	16	J
8.	Unknown C8H8S	9.55	19	J
9. 000083-33-0	1H-Inden-1-one, 2,3-dihydro-	9.90	48	J
10. 000090-12-0	Naphthalene, 1-methyl-	10.25	98	J
11.	Unknown	10.65	30	J
12. 000050-84-0	Benzoic acid, -dichloro-	12.76	29	J
13.				
14.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-24S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-4

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112011

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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
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	10	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-24S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-4

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112011

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	9	J
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
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
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-24S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65579-4

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112011

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.08	29	JB
2.	Unknown	1.65	3	JB
3.	Unknown	4.57	4	J
4.	Unknown	4.75	4	J
5.	Unknown	5.49	2	J
6. 000050-84-0	Benzoic acid, -dichloro-	12.67	33	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65623-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112012

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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
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	10	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-25S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65623-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112012

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
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
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-25S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65623-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112012

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.04	3	JB
2.	Unknown	1.09	28	JB
3.	Unknown	1.65	2	JB
4.	Unknown	4.57	6	J
5.	Unknown	4.76	7	J
6. 000050-84-0	Benzoic acid, -dichloro-	12.61	15	J
7.	Unknown	17.13	2	J
8.				
9.				
10.				
11.				
12.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-26D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-1

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112714

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

65-85-0-----	Benzoic acid	100	U
108-95-2-----	Phenol	100	U
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
100-51-6-----	Benzyl alcohol	100	U
95-48-7-----	2-Methylphenol	100	U
-----	bis(2-Chloroisopropyl) ether	100	U
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	100	U
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	~~7700~~ 5300	U
106-47-8-----	4-Chloroaniline	100	U
87-68-3-----	Hexachlorobutadiene	100	U
59-50-7-----	4-Chloro-3-methylphenol	100	U
91-57-6-----	2-Methylnaphthalene	160	U
77-47-4-----	Hexachlorocyclopentadiene	100	U
88-06-2-----	2,4,6-Trichlorophenol	100	U
95-95-4-----	2,4,5-Trichlorophenol	100	U
91-58-7-----	2-Chloronaphthalene	100	U
88-74-4-----	2-Nitroaniline	260	U
131-11-3-----	Dimethylphthalate	100	U
208-96-8-----	Acenaphthylene	100	U
606-20-2-----	2,6-Dinitrotoluene	100	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-26D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-1

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112714

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) ug/l Q

99-09-2-----	3-Nitroaniline	260	U
83-32-9-----	Acenaphthene	190	
51-28-5-----	2,4-Dinitrophenol	260	U
100-02-7-----	4-Nitrophenol	260	U
132-64-9-----	Dibenzofuran	100	U
121-14-2-----	2,4-Dinitrotoluene	100	U
84-66-2-----	Diethylphthalate	100	U
86-73-7-----	Fluorene	74	J
7005-72-3-----	4-Chlorophenyl-phenylether	100	U
100-01-6-----	4-Nitroaniline	260	U
534-52-1-----	4,6-Dinitro-2-methylphenol	260	U
86-30-6-----	N-Nitrosodiphenylamine	100	U
101-55-3-----	4-Bromophenyl-phenylether	100	U
118-74-1-----	Hexachlorobenzene	100	U
87-86-5-----	Pentachlorophenol	260	U
85-01-8-----	Phenanthrene	92	J
120-12-7-----	Anthracene	100	U
86-74-8-----	Carbazole	100	U
84-74-2-----	Di-n-butylphthalate	100	U
206-44-0-----	Fluoranthene	100	U
129-00-0-----	Pyrene	100	U
85-68-7-----	Butylbenzylphthalate	100	U
56-55-3-----	Benzo(a)anthracene	100	U
91-94-1-----	3,3'-Dichlorobenzidine	210	U
218-01-9-----	Chrysene	100	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	100	U
117-84-0-----	Di-n-octylphthalate	100	U
205-99-2-----	Benzo(b)fluoranthene	100	U
207-08-9-----	Benzo(k)fluoranthene	100	U
50-32-8-----	Benzo(a)pyrene	100	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	100	U
53-70-3-----	Dibenzo(a,h)anthracene	100	U
191-24-2-----	Benzo(g,h,i)perylene	100	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-26D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-1

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112714

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000100-41-4	Ethylbenzene	2.64	370	J
2. 000108-38-3	Benzene, dimethyl	2.82	170	J
3. 000108-38-3	Benzene, dimethyl	3.29	95	J
4. 000496-11-7	Unknown C9H12	5.57	150	J
5. 000496-11-7	Indane	6.28	500	J
6. 000496-11-7	Unknown C9H8	6.43	170	J
7. 000496-11-7	Unknown C2H10	10.90	140	J
8.				
9.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-26D DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-1DL

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112713

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/kg) ug/l Q

65-85-0-----	Benzoic acid	1000	U D
108-95-2-----	Phenol	1000	U D
111-44-4-----	bis(2-Chloroethyl) ether	1000	U D
95-57-8-----	2-Chlorophenol	1000	U D
541-73-1-----	1,3-Dichlorobenzene	1000	U D
106-46-7-----	1,4-Dichlorobenzene	1000	U D
95-50-1-----	1,2-Dichlorobenzene	1000	U D
100-51-6-----	Benzyl alcohol	1000	U D
95-48-7-----	2-Methylphenol	1000	U D
-----	bis(2-Chloroisopropyl) ether	1000	U D
106-44-5-----	4-Methylphenol	1000	U D
621-64-7-----	N-Nitroso-di-n-propylamine	1000	U D
67-72-1-----	Hexachloroethane	1000	U D
98-95-3-----	Nitrobenzene	1000	U D
78-59-1-----	Isophorone	1000	U D
88-75-5-----	2-Nitrophenol	1000	U D
105-67-9-----	2,4-Dimethylphenol	1000	U D
111-91-1-----	bis(2-Chloroethoxy) methane	1000	U D
120-83-2-----	2,4-Dichlorophenol	1000	U D
120-82-1-----	1,2,4-Trichlorobenzene	1000	U D
91-20-3-----	Naphthalene	5300	D
106-47-8-----	4-Chloroaniline	1000	U D
87-68-3-----	Hexachlorobutadiene	1000	U D
59-50-7-----	4-Chloro-3-methylphenol	1000	U D
91-57-6-----	2-Methylnaphthalene	210	JD
77-47-4-----	Hexachlorocyclopentadiene	1000	U D
88-06-2-----	2,4,6-Trichlorophenol	1000	U D
95-95-4-----	2,4,5-Trichlorophenol	1000	U D
91-58-7-----	2-Chloronaphthalene	1000	U D
88-74-4-----	2-Nitroaniline	2600	U D
131-11-3-----	Dimethylphthalate	1000	U D
208-96-8-----	Acenaphthylene	1000	U D
606-20-2-----	2,6-Dinitrotoluene	1000	U D

FORM I SV-I

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-26D DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-1DL

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112713

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	2600	U D
83-32-9-----	Acenaphthene	190	JD
51-28-5-----	2,4-Dinitrophenol	2600	U D
100-02-7-----	4-Nitrophenol	2600	U D
132-64-9-----	Dibenzofuran	1000	U D
121-14-2-----	2,4-Dinitrotoluene	1000	U D
84-66-2-----	Diethylphthalate	1000	U D
86-73-7-----	Fluorene	1000	U D
7005-72-3-----	4-Chlorophenyl-phenylether	1000	U D
100-01-6-----	4-Nitroaniline	2600	U D
534-52-1-----	4,6-Dinitro-2-methylphenol	2600	U D
86-30-6-----	N-Nitrosodiphenylamine	1000	U D
101-55-3-----	4-Bromophenyl-phenylether	1000	U D
118-74-1-----	Hexachlorobenzene	1000	U D
87-86-5-----	Pentachlorophenol	2600	U D
85-01-8-----	Phenanthrene	1000	U D
120-12-7-----	Anthracene	1000	U D
86-74-8-----	Carbazole	1000	U D
84-74-2-----	Di-n-butylphthalate	1000	U D
206-44-0-----	Fluoranthene	1000	U D
129-00-0-----	Pyrene	1000	U D
85-68-7-----	Butylbenzylphthalate	1000	U D
56-55-3-----	Benzo(a)anthracene	1000	U D
91-94-1-----	3,3'-Dichlorobenzidine	2100	U D
218-01-9-----	Chrysene	1000	U D
117-81-7-----	bis(2-Ethylhexyl)phthalate	1000	U D
117-84-0-----	Di-n-octylphthalate	1000	U D
205-99-2-----	Benzo(b)fluoranthene	1000	U D
207-08-9-----	Benzo(k)fluoranthene	1000	U D
50-32-8-----	Benzo(a)pyrene	1000	U D
193-39-5-----	Indeno(1,2,3-cd)pyrene	1000	U D
53-70-3-----	Dibenzo(a,h)anthracene	1000	U D
191-24-2-----	Benzo(g,h,i)perylene	1000	U D

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-26D DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-1 DL

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112713

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000496-11-7	Indane	6.26	540	J
2. 000264-09-5	Benzocycloheptatriene	10.11	440	J
3. _____	Unknown	10.74	410	J
4. _____				
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
12. _____				
13. _____				
14. _____				
15. _____				
16. _____				
17. _____				
18. _____				
19. _____				
20. _____				
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22. _____				
23. _____				
24. _____				
25. _____				
26. _____				
27. _____				
28. _____				
29. _____				
30. _____				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-26S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65888-1

Sample wt/vol: 900 (g/mL) mL

Lab File ID: ED112812

Level: (low/med) LOW

Date Received: 11/17/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/22/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

65-85-0-----	Benzoic acid	11	U
108-95-2-----	Phenol	11	U
111-44-4-----	bis(2-Chloroethyl) ether	11	U
95-57-8-----	2-Chlorophenol	11	U
541-73-1-----	1,3-Dichlorobenzene	11	U
106-46-7-----	1,4-Dichlorobenzene	11	U
95-50-1-----	1,2-Dichlorobenzene	11	U
100-51-6-----	Benzyl alcohol	11	U
95-48-7-----	2-Methylphenol	11	U
-----	bis(2-Chloroisopropyl) ether	11	U
106-44-5-----	4-Methylphenol	11	U
621-64-7-----	N-Nitroso-di-n-propylamine	11	U
67-72-1-----	Hexachloroethane	11	U
98-95-3-----	Nitrobenzene	11	U
78-59-1-----	Isophorone	11	U
88-75-5-----	2-Nitrophenol	11	U
105-67-9-----	2,4-Dimethylphenol	11	U
111-91-1-----	bis(2-Chloroethoxy) methane	11	U
120-83-2-----	2,4-Dichlorophenol	11	U
120-82-1-----	1,2,4-Trichlorobenzene	11	U
91-20-3-----	Naphthalene	410 340	U
106-47-8-----	4-Chloroaniline	11	U
87-68-3-----	Hexachlorobutadiene	11	U
59-50-7-----	4-Chloro-3-methylphenol	11	U
91-57-6-----	2-Methylnaphthalene	24	
77-47-4-----	Hexachlorocyclopentadiene	11	U
88-06-2-----	2,4,6-Trichlorophenol	11	U
95-95-4-----	2,4,5-Trichlorophenol	11	U
91-58-7-----	2-Chloronaphthalene	11	U
88-74-4-----	2-Nitroaniline	28	U
131-11-3-----	Dimethylphthalate	11	U
208-96-8-----	Acenaphthylene	2	J
606-20-2-----	2,6-Dinitrotoluene	11	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-26S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65888-1

Sample wt/vol: 900 (g/mL) mL

Lab File ID: ED112812

Level: (low/med) LOW

Date Received: 11/17/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/22/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	28	U
83-32-9-----	Acenaphthene	100	U
51-28-5-----	2,4-Dinitrophenol	28	U
100-02-7-----	4-Nitrophenol	28	U
132-64-9-----	Dibenzofuran	2	J
121-14-2-----	2,4-Dinitrotoluene	11	U
84-66-2-----	Diethylphthalate	11	U
86-73-7-----	Fluorene	29	
7005-72-3-----	4-Chlorophenyl-phenylether	11	U
100-01-6-----	4-Nitroaniline	28	U
534-52-1-----	4,6-Dinitro-2-methylphenol	28	U
86-30-6-----	N-Nitrosodiphenylamine	11	U
101-55-3-----	4-Bromophenyl-phenylether	11	U
118-74-1-----	Hexachlorobenzene	11	U
87-86-5-----	Pentachlorophenol	28	U
85-01-8-----	Phenanthrene	34	
120-12-7-----	Anthracene	5	J
86-74-8-----	Carbazole	2	J
84-74-2-----	Di-n-butylphthalate	11	J
206-44-0-----	Fluoranthene	3	J
129-00-0-----	Pyrene	3	J
85-68-7-----	Butylbenzylphthalate	11	U
56-55-3-----	Benzo(a)anthracene	11	U
91-94-1-----	3,3'-Dichlorobenzidine	22	U
218-01-9-----	Chrysene	11	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	1	J
117-84-0-----	Di-n-octylphthalate	11	U
205-99-2-----	Benzo(b)fluoranthene	11	U
207-08-9-----	Benzo(k)fluoranthene	11	U
50-32-8-----	Benzo(a)pyrene	11	U
193-39-5-----	Indeno(1,2,3-cd)pyrene	11	U
53-70-3-----	Dibenzo(a,h)anthracene	11	U
191-24-2-----	Benzo(g,h,i)perylene	11	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-26S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65888-1

Sample wt/vol: 900 (g/mL) mL

Lab File ID: ED112812

Level: (low/med) LOW

Date Received: 11/17/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/22/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 22

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.49	15	J
2. 000100-41-4	Ethylbenzene	2.65	92	J
3.	Unknown C8H10	2.84	22	J
4.	Unknown C8H10	3.27	28	J
5.	Unknown	4.79	17	J
6.	Unknown C9H12	4.93	24	J
7.	Unknown C9H12	4.99	11	J
8.	Unknown C9H12	5.10	27	J
9. 000622-96-8	Benzene, 1-ethyl-methyl-	5.26	18	J
10.	Unknown C9H12	6.06	19	J
11. 000496-11-7	Indane	6.31	420	J
12. 000095-13-6	Indene	6.44	34	J
13.	Unknown	6.82	14	J
14.	Unknown	10.27	24	J
15.	Unknown	10.87	420	J
16.	Unknown C12H10	10.91	11	J
17.	Substituted Naphthalene	11.06	11	J
18.	Unknown	11.34	38	J
19.	Unknown	13.75	19	J
20.	Unknown	13.80	11	J
21.	Unknown	14.30	10	J
22.	Unknown	22.15	12	JB
23.				
24.				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-26S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65888-1DL

Sample wt/vol: 900 (g/mL) mL

Lab File ID: ED112903

Level: (low/med) LOW

Date Received: 11/17/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/22/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

65-85-0-----	Benzoic acid	56	U D
108-95-2-----	Phenol	56	U D
111-44-4-----	bis(2-Chloroethyl) ether	56	U D
95-57-8-----	2-Chlorophenol	56	U D
541-73-1-----	1,3-Dichlorobenzene	56	U D
106-46-7-----	1,4-Dichlorobenzene	56	U D
95-50-1-----	1,2-Dichlorobenzene	56	U D
100-51-6-----	Benzyl alcohol	56	U D
95-48-7-----	2-Methylphenol	56	U D
-----	bis(2-Chloroisopropyl) ether	56	U D
106-44-5-----	4-Methylphenol	56	U D
621-64-7-----	N-Nitroso-di-n-propylamine	56	U D
67-72-1-----	Hexachloroethane	56	U D
98-95-3-----	Nitrobenzene	56	U D
78-59-1-----	Isophorone	56	U D
88-75-5-----	2-Nitrophenol	56	U D
105-67-9-----	2,4-Dimethylphenol	56	U D
111-91-1-----	bis(2-Chloroethoxy) methane	56	U D
120-83-2-----	2,4-Dichlorophenol	56	U D
120-82-1-----	1,2,4-Trichlorobenzene	56	U D
91-20-3-----	Naphthalene	340	D
106-47-8-----	4-Chloroaniline	56	U D
87-68-3-----	Hexachlorobutadiene	56	U D
59-50-7-----	4-Chloro-3-methylphenol	56	U D
91-57-6-----	2-Methylnaphthalene	27	JD
77-47-4-----	Hexachlorocyclopentadiene	56	U D
88-06-2-----	2,4,6-Trichlorophenol	56	U D
95-95-4-----	2,4,5-Trichlorophenol	56	U D
91-58-7-----	2-Chloronaphthalene	56	U D
88-74-4-----	2-Nitroaniline	140	U D
131-11-3-----	Dimethylphthalate	56	U D
208-96-8-----	Acenaphthylene	56	U D
606-20-2-----	2,6-Dinitrotoluene	56	U D

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-26S DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65888-1DL

Sample wt/vol: 900 (g/mL) mL

Lab File ID: ED112903

Level: (low/med) LOW

Date Received: 11/17/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/22/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

99-09-2-----	3-Nitroaniline	140	U D
83-32-9-----	Acenaphthene	97	D
51-28-5-----	2,4-Dinitrophenol	140	U D
100-02-7-----	4-Nitrophenol	140	U D
132-64-9-----	Dibenzofuran	56	U D
121-14-2-----	2,4-Dinitrotoluene	56	U D
84-66-2-----	Diethylphthalate	56	U D
86-73-7-----	Fluorene	29	JD
7005-72-3-----	4-Chlorophenyl-phenylether	56	U D
100-01-6-----	4-Nitroaniline	140	U D
534-52-1-----	4,6-Dinitro-2-methylphenol	140	U D
86-30-6-----	N-Nitrosodiphenylamine	56	U D
101-55-3-----	4-Bromophenyl-phenylether	56	U D
118-74-1-----	Hexachlorobenzene	56	U D
87-86-5-----	Pentachlorophenol	140	U D
85-01-8-----	Phenanthrene	33	JD
120-12-7-----	Anthracene	56	U D
86-74-8-----	Carbazole	56	U D
84-74-2-----	Di-n-butylphthalate	56	U D
206-44-0-----	Fluoranthene	56	U D
129-00-0-----	Pyrene	56	U D
85-68-7-----	Butylbenzylphthalate	56	U D
56-55-3-----	Benzo(a)anthracene	56	U D
91-94-1-----	3,3'-Dichlorobenzidine	110	U D
218-01-9-----	Chrysene	56	U D
117-81-7-----	bis(2-Ethylhexyl)phthalate	56	U D
117-84-0-----	Di-n-octylphthalate	56	U D
205-99-2-----	Benzo(b)fluoranthene	56	U D
207-08-9-----	Benzo(k)fluoranthene	56	U D
50-32-8-----	Benzo(a)pyrene	56	U D
193-39-5-----	Indeno(1,2,3-cd)pyrene	56	U D
53-70-3-----	Dibenzo(a,h)anthracene	56	U D
191-24-2-----	Benzo(g,h,i)perylene	56	U D

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-26S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65888-1 DL

Sample wt/vol: 900 (g/mL) mL

Lab File ID: ED112903

Level: (low/med) LOW

Date Received: 11/17/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/22/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/29/00

Injection Volume: 2.0 (uL)

Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 22

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000100-41-4	Ethylbenzene	2.61	120	J
2. 000108-38-3	Benzene, 1,3-dimethyl-	2.82	32	J
3.	Unknown	3.26	36	J
4. 000611-14-3	Benzene, 1-ethyl-methyl-	4.90	31	J
5.	Benzene, 1-ethyl-methyl-	5.09	36	J
6. 000496-11-7	Indane	6.26	410	J
7. 000095-13-6	Indene	6.42	46	J
8.	Unknown	7.92	26	J
9.	Unknown	8.01	32	J
10.	Unknown	8.05	25	J
11.	Unknown C10H10	8.10	42	J
12.	Unknown C10H10	8.12	36	J
13.	Unknown C10H8O	8.94	38	J
14.	Unknown C19H10O	9.16	41	J
15.	Unknown	9.54	26	J
16. 000083-33-0	1H-Inden-1-one, 2,3-dihydro-	9.74	49	J
17.	Unknown C11H10	10.10	120	J
18.	Unknown	10.24	220	J
19.	Unknown	11.24	25	J
20.	Unknown	11.61	39	J
21.	Unknown	12.75	30	J
22.	Unknown	13.72	27	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-27D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-3

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112017

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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	~~1900~~ 1800	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	46	
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	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	8	J
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-27D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-3

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112017

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	270	E
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	5	J
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	46	
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	81	E
120-12-7-----	Anthracene	9	J
86-74-8-----	Carbazole	1	J
84-74-2-----	Di-n-butylphthalate	10	U
206-44-0-----	Fluoranthene	6	J
129-00-0-----	Pyrene	11	J
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	4	J
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-27D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-3

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112017

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 11

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.08	14	JB
2. 000100-41-4	Ethylbenzene	2.81	110	J
3.	Unknown C8H10	3.50	22	J
4.	Unknown C9H12	5.40	15	J
5.	Unknown C9H12	6.20	20	J
6. 000496-11-7	Indane	6.47	360	J
7. 000090-12-0	Naphthalene, 1-methyl-	10.30	2	J
8.	Substituted Naphthalene	11.47	4	J
9.	Substituted Naphthalene	11.68	2	J
10.	Unknown	12.81	5	J
11.	Unknown PAH	13.89	7	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-27D DL

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L65579

Matrix: (soil/water) WATER Lab Sample ID: L65721-3DL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: ED112716

Level: (low/med) LOW Date Received: 11/14/00

% Moisture: decanted: (Y/N) N Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO. COMPOUND Q

65-85-0	Benzoic acid	500	U D
108-95-2	Phenol	500	U D
111-44-4	bis(2-Chloroethyl) ether	500	U D
95-57-8	2-Chlorophenol	500	U D
541-73-1	1,3-Dichlorobenzene	500	U D
106-46-7	1,4-Dichlorobenzene	500	U D
95-50-1	1,2-Dichlorobenzene	500	U D
100-51-6	Benzyl alcohol	500	U D
95-48-7	2-Methylphenol	500	U D
	bis(2-Chloroisopropyl) ether	500	U D
106-44-5	4-Methylphenol	500	U D
621-64-7	N-Nitroso-di-n-propylamine	500	U D
67-72-1	Hexachloroethane	500	U D
98-95-3	Nitrobenzene	500	U D
78-59-1	Isophorone	500	U D
88-75-5	2-Nitrophenol	500	U D
105-67-9	2,4-Dimethylphenol	500	U D
111-91-1	bis(2-Chloroethoxy) methane	500	U D
120-83-2	2,4-Dichlorophenol	500	U D
120-82-1	1,2,4-Trichlorobenzene	500	U D
91-20-3	Naphthalene	1800	D
106-47-8	4-Chloroaniline	500	U D
87-68-3	Hexachlorobutadiene	500	U D
59-50-7	4-Chloro-3-methylphenol	500	U D
91-57-6	2-Methylnaphthalene	63	JD
77-47-4	Hexachlorocyclopentadiene	500	U D
88-06-2	2,4,6-Trichlorophenol	500	U D
95-95-4	2,4,5-Trichlorophenol	500	U D
91-58-7	2-Chloronaphthalene	500	U D
88-74-4	2-Nitroaniline	1200	U D
131-11-3	Dimethylphthalate	500	U D
208-96-8	Acenaphthylene	500	U D
606-20-2	2,6-Dinitrotoluene	500	U D

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-27D DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-3DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112716

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	1200	U D
83-32-9-----	Acenaphthene	160	JD
51-28-5-----	2,4-Dinitrophenol	1200	U D
100-02-7-----	4-Nitrophenol	1200	U D
132-64-9-----	Dibenzofuran	500	U D
121-14-2-----	2,4-Dinitrotoluene	500	U D
84-66-2-----	Diethylphthalate	500	U D
86-73-7-----	Fluorene	500	U D
7005-72-3-----	4-Chlorophenyl-phenylether	500	U D
100-01-6-----	4-Nitroaniline	1200	U D
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U D
86-30-6-----	N-Nitrosodiphenylamine	500	U D
101-55-3-----	4-Bromophenyl-phenylether	500	U D
118-74-1-----	Hexachlorobenzene	500	U D
87-86-5-----	Pentachlorophenol	1200	U D
85-01-8-----	Phenanthrene	58	JD
120-12-7-----	Anthracene	500	U D
86-74-8-----	Carbazole	500	U D
84-74-2-----	Di-n-butylphthalate	500	U D
206-44-0-----	Fluoranthene	500	U D
129-00-0-----	Pyrene	500	U D
85-68-7-----	Butylbenzylphthalate	500	U D
56-55-3-----	Benzo(a)anthracene	500	U D
91-94-1-----	3,3'-Dichlorobenzidine	1000	U D
218-01-9-----	Chrysene	500	U D
117-81-7-----	bis(2-Ethylhexyl)phthalate	500	U D
117-84-0-----	Di-n-octylphthalate	500	U D
205-99-2-----	Benzo(b)fluoranthene	500	U D
207-08-9-----	Benzo(k)fluoranthene	500	U D
50-32-8-----	Benzo(a)pyrene	500	U D
193-39-5-----	Indeno(1,2,3-cd)pyrene	500	U D
53-70-3-----	Dibenzo(a,h)anthracene	500	U D
191-24-2-----	Benzo(g,h,i)perylene	500	U D

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-27D DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-3 DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112716

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000100-41-4	Ethylbenzene	2.63	260	J
2. 000098-82-8	Benzene, (1-methylethyl)-	5.57	150	J
3. 000496-11-7	Indane	6.26	590	J
4. 000264-09-5	Benzocycloheptatriene	10.10	230	J
5.	Unknown	10.74	240	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-27S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-2

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112016

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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	2900 2400	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	40	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	26	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	7	J
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-27S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-2

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112016

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	26	U
83-32-9-----	Acenaphthene	340	EJ
51-28-5-----	2,4-Dinitrophenol	26	U
100-02-7-----	4-Nitrophenol	26	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	66	
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	26	U
534-52-1-----	4,6-Dinitro-2-methylphenol	26	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	26	U
85-01-8-----	Phenanthrene	120	EJ
120-12-7-----	Anthracene	15	
86-74-8-----	Carbazole	6	J
84-74-2-----	Di-n-butylphthalate	210	JBU
206-44-0-----	Fluoranthene	5	J
129-00-0-----	Pyrene	13	
85-68-7-----	Butylbenzylphthalate	10	
56-55-3-----	Benzo(a)anthracene	10	
91-94-1-----	3,3'-Dichlorobenzidine	21	
218-01-9-----	Chrysene	10	
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	
117-84-0-----	Di-n-octylphthalate	10	
205-99-2-----	Benzo(b)fluoranthene	10	
207-08-9-----	Benzo(k)fluoranthene	10	
50-32-8-----	Benzo(a)pyrene	10	
193-39-5-----	Indeno(1,2,3-cd)pyrene	10	
53-70-3-----	Dibenzo(a,h)anthracene	10	
191-24-2-----	Benzo(g,h,i)perylene	10	

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-27S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-2

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112016

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.09	16	JB
2. 000100-41-4	Ethylbenzene	2.84	150	J
3.	Unknown C8H10	3.51	30	J
4.	Unknown C9H12	6.22	21	J
5. 000496-11-7	Indane	6.50	420	J
6. 000090-12-0	Naphthalene, 1-methyl-	10.35	6	J
7. 000124-17-4	Ethanol, 2-(2-butoxyethoxy)-	10.95	7	J
8. 000827-54-3	Naphthalene, 2-ethenyl-	11.06	4	J
9.	Substituted Naphthalene	11.22	4	J
10.	Substituted Naphthalene	11.37	4	J
11.	Substituted Naphthalene	11.51	6	J
12.	Substituted Naphthalene	11.71	2	J
13. 000090-15-3	1-Naphthalenol	12.53	2	J
14.	Unknown PAH	13.95	19	J
15.	Unknown	17.23	37	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-27S DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-2DL

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112715

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

65-85-0-----	Benzoic acid	530	U D
108-95-2-----	Phenol	530	U D
111-44-4-----	bis(2-Chloroethyl) ether	530	U D
95-57-8-----	2-Chlorophenol	530	U D
541-73-1-----	1,3-Dichlorobenzene	530	U D
106-46-7-----	1,4-Dichlorobenzene	530	U D
95-50-1-----	1,2-Dichlorobenzene	530	U D
100-51-6-----	Benzyl alcohol	530	U D
95-48-7-----	2-Methylphenol	530	U D
-----	bis(2-Chloroisopropyl) ether	530	U D
106-44-5-----	4-Methylphenol	530	U D
621-64-7-----	N-Nitroso-di-n-propylamine	530	U D
67-72-1-----	Hexachloroethane	530	U D
98-95-3-----	Nitrobenzene	530	U D
78-59-1-----	Isophorone	530	U D
88-75-5-----	2-Nitrophenol	530	U D
105-67-9-----	2,4-Dimethylphenol	530	U D
111-91-1-----	bis(2-Chloroethoxy) methane	530	U D
120-83-2-----	2,4-Dichlorophenol	530	U D
120-82-1-----	1,2,4-Trichlorobenzene	530	U D
91-20-3-----	Naphthalene	2400	D
106-47-8-----	4-Chloroaniline	530	U D
87-68-3-----	Hexachlorobutadiene	530	U D
59-50-7-----	4-Chloro-3-methylphenol	530	U D
91-57-6-----	2-Methylnaphthalene	530	U D
77-47-4-----	Hexachlorocyclopentadiene	530	U D
88-06-2-----	2,4,6-Trichlorophenol	530	U D
95-95-4-----	2,4,5-Trichlorophenol	530	U D
91-58-7-----	2-Chloronaphthalene	530	U D
88-74-4-----	2-Nitroaniline	1300	U D
131-11-3-----	Dimethylphthalate	530	U D
208-96-8-----	Acenaphthylene	530	U D
606-20-2-----	2,6-Dinitrotoluene	530	U D

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-27S DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-2DL

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112715

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
99-09-2	3-Nitroaniline	1300	U D
83-32-9	Acenaphthene	250	JD
51-28-5	2,4-Dinitrophenol	1300	U D
100-02-7	4-Nitrophenol	1300	U D
132-64-9	Dibenzofuran	530	U D
121-14-2	2,4-Dinitrotoluene	530	U D
84-66-2	Diethylphthalate	530	U D
86-73-7	Fluorene	64	JD
7005-72-3	4-Chlorophenyl-phenylether	530	U D
100-01-6	4-Nitroaniline	1300	U D
534-52-1	4,6-Dinitro-2-methylphenol	1300	U D
86-30-6	N-Nitrosodiphenylamine	530	U D
101-55-3	4-Bromophenyl-phenylether	530	U D
118-74-1	Hexachlorobenzene	530	U D
87-86-5	Pentachlorophenol	1300	U D
85-01-8	Phenanthrene	84	JD
120-12-7	Anthracene	530	U D
86-74-8	Carbazole	530	U D
84-74-2	Di-n-butylphthalate	530	U D
206-44-0	Fluoranthene	530	U D
129-00-0	Pyrene	530	U D
85-68-7	Butylbenzylphthalate	530	U D
56-55-3	Benzo(a)anthracene	530	U D
91-94-1	3,3'-Dichlorobenzidine	1000	U D
218-01-9	Chrysene	530	U D
117-81-7	bis(2-Ethylhexyl)phthalate	530	U D
117-84-0	Di-n-octylphthalate	530	U D
205-99-2	Benzo(b)fluoranthene	530	U D
207-08-9	Benzo(k)fluoranthene	530	U D
50-32-8	Benzo(a)pyrene	530	U D
193-39-5	Indeno(1,2,3-cd)pyrene	530	U D
53-70-3	Dibenzo(a,h)anthracene	530	U D
191-24-2	Benzo(g,h,i)perylene	530	U D

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-27S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-2 DL

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112715

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 10

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000100-41-4	Ethylbenzene	2.63	420	J
2. 000496-11-7	Indane	6.27	860	J
3. 000264-09-5	Benzocycloheptatriene	9.93	110	J
4.	Unknown C11H10	10.11	620	J
5.	Unknown	10.74	270	J
6.	Unknown	11.04	110	J
7.	Unknown	11.19	110	J
8.	Substituted Naphthalene	11.33	110	J
9.	Unknown PAH	13.72	130	J
10.	Unknown	16.91	390	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-28D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112106

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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	~~1000~~ 750	U
106-47-8-----	4-Chloroaniline	10	U
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	10	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	26	U
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-28D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112106

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	3	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
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
56-55-3-----	Benzo (a) anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo (a,h) anthracene	10	U
191-24-2-----	Benzo (g,h,i) perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-28D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112106

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.07	32	JB
2. 000100-41-4	Ethylbenzene	2.77	88	J
3. 000106-42-3	p-Xylene	3.45	26	J
4. 000496-11-7	Indane	6.42	130	J
5.	Unknown C9H8	6.57	55	J
6.	Unknown	15.88	8	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-28D DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-1DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112718

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q
65-85-0	Benzoic acid	500	U D
108-95-2	Phenol	500	U D
111-44-4	bis(2-Chloroethyl) ether	500	U D
95-57-8	2-Chlorophenol	500	U D
541-73-1	1,3-Dichlorobenzene	500	U D
106-46-7	1,4-Dichlorobenzene	500	U D
95-50-1	1,2-Dichlorobenzene	500	U D
100-51-6	Benzyl alcohol	500	U D
95-48-7	2-Methylphenol	500	U D
	bis(2-Chloroisopropyl) ether	500	U D
106-44-5	4-Methylphenol	500	U D
621-64-7	N-Nitroso-di-n-propylamine	500	U D
67-72-1	Hexachloroethane	500	U D
98-95-3	Nitrobenzene	500	U D
78-59-1	Isophorone	500	U D
88-75-5	2-Nitrophenol	500	U D
105-67-9	2,4-Dimethylphenol	500	U D
111-91-1	bis(2-Chloroethoxy) methane	500	U D
120-83-2	2,4-Dichlorophenol	500	U D
120-82-1	1,2,4-Trichlorobenzene	500	U D
91-20-3	Naphthalene	750	D
106-47-8	4-Chloroaniline	500	U D
87-68-3	Hexachlorobutadiene	500	U D
59-50-7	4-Chloro-3-methylphenol	500	U D
91-57-6	2-Methylnaphthalene	500	U D
77-47-4	Hexachlorocyclopentadiene	500	U D
88-06-2	2,4,6-Trichlorophenol	500	U D
95-95-4	2,4,5-Trichlorophenol	500	U D
91-58-7	2-Chloronaphthalene	500	U D
88-74-4	2-Nitroaniline	1200	U D
131-11-3	Dimethylphthalate	500	U D
208-96-8	Acenaphthylene	500	U D
606-20-2	2,6-Dinitrotoluene	500	U D

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-28D DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-1DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112718

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	1200	U D
83-32-9-----	Acenaphthene	500	U D
51-28-5-----	2,4-Dinitrophenol	1200	U D
100-02-7-----	4-Nitrophenol	1200	U D
132-64-9-----	Dibenzofuran	500	U D
121-14-2-----	2,4-Dinitrotoluene	500	U D
84-66-2-----	Diethylphthalate	500	U D
86-73-7-----	Fluorene	500	U D
7005-72-3-----	4-Chlorophenyl-phenylether	500	U D
100-01-6-----	4-Nitroaniline	1200	U D
534-52-1-----	4,6-Dinitro-2-methylphenol	1200	U D
86-30-6-----	N-Nitrosodiphenylamine	500	U D
101-55-3-----	4-Bromophenyl-phenylether	500	U D
118-74-1-----	Hexachlorobenzene	500	U D
87-86-5-----	Pentachlorophenol	1200	U D
85-01-8-----	Phenanthrene	500	U D
120-12-7-----	Anthracene	500	U D
86-74-8-----	Carbazole	500	U D
84-74-2-----	Di-n-butylphthalate	500	U D
206-44-0-----	Fluoranthene	500	U D
129-00-0-----	Pyrene	500	U D
85-68-7-----	Butylbenzylphthalate	500	U D
56-55-3-----	Benzo(a)anthracene	500	U D
91-94-1-----	3,3'-Dichlorobenzidine	1000	U D
218-01-9-----	Chrysene	500	U D
117-81-7-----	bis(2-Ethylhexyl)phthalate	500	U D
117-84-0-----	Di-n-octylphthalate	500	U D
205-99-2-----	Benzo(b)fluoranthene	500	U D
207-08-9-----	Benzo(k)fluoranthene	500	U D
50-32-8-----	Benzo(a)pyrene	500	U D
193-39-5-----	Indeno(1,2,3-cd)pyrene	500	U D
53-70-3-----	Dibenzo(a,h)anthracene	500	U D
191-24-2-----	Benzo(g,h,i)perylene	500	U D

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-28D DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-1 DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112718

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 3

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	6.26	130	J
2.	Unknown	10.74	280	J
3.	Unknown	17.03	540	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-28S

Lab Code: Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-2

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112107

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 11.

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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	3500 300	U ED
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	23	
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	26	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	49	
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-28S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-2

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112107

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 11.

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NO.

COMPOUND

Q

99-09-2-----	3-Nitroaniline	26	U
83-32-9-----	Acenaphthene	94	E J
51-28-5-----	2,4-Dinitrophenol	26	U
100-02-7-----	4-Nitrophenol	26	U
132-64-9-----	Dibenzofuran	2	J
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	22	
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	26	U
534-52-1-----	4,6-Dinitro-2-methylphenol	26	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	26	U
85-01-8-----	Phenanthrene	34	
120-12-7-----	Anthracene	5	J
86-74-8-----	Carbazole	4	J
84-74-2-----	Di-n-butylphthalate	270	J B
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	5	J
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	21	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-28S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-2

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112107

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 11.

Number TICS found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000108-88-3	Toluene	1.54	8	JB
2. 000100-41-4	Ethylbenzene	2.81	32	J
3. —	Unknown C8H10	3.01	26	J
4. —	Unknown C8H10	3.53	21	J
5. 000496-11-7	Indane	6.45	24	J
6. 000095-13-6	Indene	6.65	67	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-28S DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-2DL

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112719

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 11.

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

65-85-0-----	Benzoic acid	1000	U D
108-95-2-----	Phenol	1000	U D
111-44-4-----	bis(2-Chloroethyl) ether	1000	U D
95-57-8-----	2-Chlorophenol	1000	U D
541-73-1-----	1,3-Dichlorobenzene	1000	U D
106-46-7-----	1,4-Dichlorobenzene	1000	U D
95-50-1-----	1,2-Dichlorobenzene	1000	U D
100-51-6-----	Benzyl alcohol	1000	U D
95-48-7-----	2-Methylphenol	1000	U D
-----	bis(2-Chloroisopropyl) ether	1000	U D
106-44-5-----	4-Methylphenol	1000	U D
621-64-7-----	N-Nitroso-di-n-propylamine	1000	U D
67-72-1-----	Hexachloroethane	1000	U D
98-95-3-----	Nitrobenzene	1000	U D
78-59-1-----	Isophorone	1000	U D
88-75-5-----	2-Nitrophenol	1000	U D
105-67-9-----	2,4-Dimethylphenol	1000	U D
111-91-1-----	bis(2-Chloroethoxy) methane	1000	U D
120-83-2-----	2,4-Dichlorophenol	1000	U D
120-82-1-----	1,2,4-Trichlorobenzene	1000	U D
91-20-3-----	Naphthalene	3900	U D
106-47-8-----	4-Chloroaniline	1000	U D
87-68-3-----	Hexachlorobutadiene	1000	U D
59-50-7-----	4-Chloro-3-methylphenol	1000	U D
91-57-6-----	2-Methylnaphthalene	1000	U D
77-47-4-----	Hexachlorocyclopentadiene	1000	U D
88-06-2-----	2,4,6-Trichlorophenol	1000	U D
95-95-4-----	2,4,5-Trichlorophenol	1000	U D
91-58-7-----	2-Chloronaphthalene	1000	U D
88-74-4-----	2-Nitroaniline	2600	U D
131-11-3-----	Dimethylphthalate	1000	U D
208-96-8-----	Acenaphthylene	1000	U D
606-20-2-----	2,6-Dinitrotoluene	1000	U D

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-28S DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-2DL

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112719

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 11.

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	2600	U D
83-32-9-----	Acenaphthene	1000	U D
51-28-5-----	2,4-Dinitrophenol	2600	U D
100-02-7-----	4-Nitrophenol	2600	U D
132-64-9-----	Dibenzofuran	1000	U D
121-14-2-----	2,4-Dinitrotoluene	1000	U D
84-66-2-----	Diethylphthalate	1000	U D
86-73-7-----	Fluorene	1000	U D
7005-72-3-----	4-Chlorophenyl-phenylether	1000	U D
100-01-6-----	4-Nitroaniline	2600	U D
534-52-1-----	4,6-Dinitro-2-methylphenol	2600	U D
86-30-6-----	N-Nitrosodiphenylamine	1000	U D
101-55-3-----	4-Bromophenyl-phenylether	1000	U D
118-74-1-----	Hexachlorobenzene	1000	U D
87-86-5-----	Pentachlorophenol	2600	U D
85-01-8-----	Phenanthrene	1000	U D
120-12-7-----	Anthracene	1000	U D
86-74-8-----	Carbazole	1000	U D
84-74-2-----	Di-n-butylphthalate	1000	U D
206-44-0-----	Fluoranthene	1000	U D
129-00-0-----	Pyrene	1000	U D
85-68-7-----	Butylbenzylphthalate	1000	U D
56-55-3-----	Benzo(a)anthracene	1000	U D
91-94-1-----	3,3'-Dichlorobenzidine	2100	U D
218-01-9-----	Chrysene	1000	U D
117-81-7-----	bis(2-Ethylhexyl)phthalate	1000	U D
117-84-0-----	Di-n-octylphthalate	1000	U D
205-99-2-----	Benzo(b)fluoranthene	1000	U D
207-08-9-----	Benzo(k)fluoranthene	1000	U D
50-32-8-----	Benzo(a)pyrene	1000	U D
193-39-5-----	Indeno(1,2,3-cd)pyrene	1000	U D
53-70-3-----	Dibenzo(a,h)anthracene	1000	U D
191-24-2-----	Benzo(g,h,i)perylene	1000	U D

1F
SEMI VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-28S DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-2 DL

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112719

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 11.

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000100-41-4	Ethylbenzene	2.63	450	J
2. 000100-41-4	Ethylbenzene	2.81	360	J
3.	Unknown	6.26	250	J
4. 000095-13-6	Indene	6.42	590	J
5.	Unknown	17.04	1500	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-DUP-3

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-5

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112018

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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	3700-4200	U
106-47-8-----	4-Chloroaniline	10	U
87-68-3-----	Hexachlorobutadiene	10	U
59-50-7-----	4-Chloro-3-methylphenol	10	U
91-57-6-----	2-Methylnaphthalene	150	U
77-47-4-----	Hexachlorocyclopentadiene	10	U
88-06-2-----	2,4,6-Trichlorophenol	10	U
95-95-4-----	2,4,5-Trichlorophenol	10	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	5	U
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-DUP-3

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-5

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112018

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	210	E
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	70	
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	100	E
120-12-7-----	Anthracene	8	J
86-74-8-----	Carbazole	3	J
84-74-2-----	Di-n-butylphthalate	10	J
206-44-0-----	Fluoranthene	3	J
129-00-0-----	Pyrene	6	J
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-DUP-3

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-5

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112018

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000100-41-4	Ethylbenzene	2.84	85	J
2.	Unknown C8H10	3.01	33	J
3.	Unknown C8H10	3.51	16	J
4. 000496-11-7	Indane	6.47	140	J
5.	Unknown C9H8	6.61	32	J
6.	Unknown	10.94	21	J
7. 000827-54-3	Naphthalene, 2-ethenyl-	11.07	11	J
8.	Unknown	12.51	6	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-DUP-3 DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-5DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112717

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

65-85-0-----	Benzoic acid	1000	U D
108-95-2-----	Phenol	1000	U D
111-44-4-----	bis(2-Chloroethyl) ether	1000	U D
95-57-8-----	2-Chlorophenol	1000	U D
541-73-1-----	1,3-Dichlorobenzene	1000	U D
106-46-7-----	1,4-Dichlorobenzene	1000	U D
95-50-1-----	1,2-Dichlorobenzene	1000	U D
100-51-6-----	Benzyl alcohol	1000	U D
95-48-7-----	2-Methylphenol	1000	U D
-----	bis(2-Chloroisopropyl) ether	1000	U D
106-44-5-----	4-Methylphenol	1000	U D
621-64-7-----	N-Nitroso-di-n-propylamine	1000	U D
67-72-1-----	Hexachloroethane	1000	U D
98-95-3-----	Nitrobenzene	1000	U D
78-59-1-----	Isophorone	1000	U D
88-75-5-----	2-Nitrophenol	1000	U D
105-67-9-----	2,4-Dimethylphenol	1000	U D
111-91-1-----	bis(2-Chloroethoxy) methane	1000	U D
120-83-2-----	2,4-Dichlorophenol	1000	U D
120-82-1-----	1,2,4-Trichlorobenzene	1000	U D
91-20-3-----	Naphthalene	4200	D
106-47-8-----	4-Chloroaniline	1000	U D
87-68-3-----	Hexachlorobutadiene	1000	U D
59-50-7-----	4-Chloro-3-methylphenol	1000	U D
91-57-6-----	2-Methylnaphthalene	150	JD
77-47-4-----	Hexachlorocyclopentadiene	1000	U D
88-06-2-----	2,4,6-Trichlorophenol	1000	U D
95-95-4-----	2,4,5-Trichlorophenol	1000	U D
91-58-7-----	2-Chloronaphthalene	1000	U D
88-74-4-----	2-Nitroaniline	2500	U D
131-11-3-----	Dimethylphthalate	1000	U D
208-96-8-----	Acenaphthylene	1000	U D
606-20-2-----	2,6-Dinitrotoluene	1000	U D

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-DUP-3 DL

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-SDL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112717

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

99-09-2	3-Nitroaniline	2500	U D
83-32-9	Acenaphthene	140	JD
51-28-5	2,4-Dinitrophenol	2500	U D
100-02-7	4-Nitrophenol	2500	U D
132-64-9	Dibenzofuran	1000	U D
121-14-2	2,4-Dinitrotoluene	1000	U D
84-66-2	Diethylphthalate	1000	U D
86-73-7	Fluorene	1000	U D
7005-72-3	4-Chlorophenyl-phenylether	1000	U D
100-01-6	4-Nitroaniline	2500	U D
534-52-1	4,6-Dinitro-2-methylphenol	2500	U D
86-30-6	N-Nitrosodiphenylamine	1000	U D
101-55-3	4-Bromophenyl-phenylether	1000	U D
118-74-1	Hexachlorobenzene	1000	U D
87-86-5	Pentachlorophenol	2500	U D
85-01-8	Phenanthrene	1000	U D
120-12-7	Anthracene	1000	U D
86-74-8	Carbazole	1000	U D
84-74-2	Di-n-butylphthalate	1000	U D
206-44-0	Fluoranthene	1000	U D
129-00-0	Pyrene	1000	U D
85-68-7	Butylbenzylphthalate	1000	U D
56-55-3	Benzo(a)anthracene	1000	U D
91-94-1	3,3'-Dichlorobenzidine	2000	U D
218-01-9	Chrysene	1000	U D
117-81-7	bis(2-Ethylhexyl)phthalate	1000	U D
117-84-0	Di-n-octylphthalate	1000	U D
205-99-2	Benzo(b)fluoranthene	1000	U D
207-08-9	Benzo(k)fluoranthene	1000	U D
50-32-8	Benzo(a)pyrene	1000	U D
193-39-5	Indeno(1,2,3-cd)pyrene	1000	U D
53-70-3	Dibenzo(a,h)anthracene	1000	U D
191-24-2	Benzo(g,h,i)perylene	1000	U D

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-DUP-3 DL

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65721-5 DL

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112717

Level: (low/med) LOW

Date Received: 11/14/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 4

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 000100-41-4	Ethylbenzene	2.63	380	J
2. 000496-11-7	Indane	6.26	440	J
3. 000264-09-5	Benzocycloheptatriene	10.11	340	J
4. _____	Unknown	10.74	300	J
5. _____				
6. _____				
7. _____				
8. _____				
9. _____				
10. _____				
11. _____				
12. _____				
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

PZ-1D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65623-2

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112013

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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
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	10	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

PZ-1D

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65623-2

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112013

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
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
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	4	J
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

PZ-1D

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65623-2

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112013

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.08	30	JB
2.	Unknown	1.64	3	JB
3.	Unknown	2.02	11	J
4.	Unknown	2.21	2	J
5.	000104-87-0 Benzaldehyde, methyl-	10.66	3	J
6.	000051-44-5 Benzoic acid, -dichloro-	12.63	22	J
7.	Unknown	17.14	4	J
8.	Unknown	23.36	2	J
9.	Unknown Alkane	23.81	2	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

PZ-1S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65623-3

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112014

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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
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	10	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

PZ-1S

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65623-3

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112014

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/l	Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	2	J
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	210	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

PZ-1S

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65623-3

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED112014

Level: (low/med) LOW

Date Received: 11/10/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/15/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/20/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.04	3	JB
2.	Unknown	1.09	49	JB
3.	Unknown	1.65	5	JB
4.	Unknown	1.91	2	J
5.	Unknown	2.03	2	J
6.	Unknown	3.58	3	J
7.	Unknown	8.73	2	J
8.	Unknown	9.65	6	J
9.	Unknown	12.64	4	J
10.	Unknown	17.16	13	J
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1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

PZ-02

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-5

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112109

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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
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	10	U
91-58-7-----	2-Chloronaphthalene	10	U
88-74-4-----	2-Nitroaniline	26	U
131-11-3-----	Dimethylphthalate	10	U
208-96-8-----	Acenaphthylene	10	U
606-20-2-----	2,6-Dinitrotoluene	10	U

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

PZ-02

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-5

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112109

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	26	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	26	U
100-02-7-----	4-Nitrophenol	26	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	26	U
534-52-1-----	4,6-Dinitro-2-methylphenol	26	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	26	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	210	U
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	21	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

PZ-02

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L65579

Matrix: (soil/water) WATER

Lab Sample ID: L65835-5

Sample wt/vol: 950 (g/mL) mL

Lab File ID: ED112109

Level: (low/med) LOW

Date Received: 11/16/00

% Moisture: decanted: (Y/N) N

Date Extracted: 11/17/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 11/21/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICS found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	1.08	49	JB
2.	Unknown	1.65	5	JB
3.	Unknown	2.02	3	J
4.	Unknown	2.23	4	J
5.	Unknown	3.56	3	J
6.	Unknown	9.64	6	J
7.	Unknown	19.63	5	J
8.				
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INORGANIC ANALYSES

Introduction

Analyses were performed according to USEPA SW-846 methods.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

Concentration (C) qualifiers:

- U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
- B The reported value was obtained from a reading less than the contract required detection limit (CRDL) but greater than or equal to the instrument detection limit (IDL).

Quantitation (Q) qualifiers:

- E The reported value is estimated due to the presence of interference.
- M Duplicate injection precision not met.
- N Spiked sample recovery not within control limits.
- S Reported value was determined by the method of standard additions (MSA).
- W Post-digestion spike for Furnace-AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- * Duplicate analysis not within control limits.
- + Correlation coefficient for MSA is less than 0.995.

Validation qualifiers:

- J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
- UJ The analyte was not detected above the reported sample detection limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding times for inorganic analyses under NYSASP protocols is as follows. All holding times are measured from validated time of sample receipt (VTSR).

Metals (other than mercury)	180 days
Mercury	26 days
Cyanide	12 days

The technical holding times for inorganic analyses is as follows. All holding times are measured from date of collection.

Metals (other than mercury)	180 days
Mercury	28 days
Cyanide	14 days

All samples were analyzed within specified holding times.

2. Blank Contamination

Quality assurance blanks, i.e., method, field, or rinse blanks, are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks (including initial and continuing calibration blanks and preparation blanks) measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

All calibration and preparation blanks were found to be acceptable, with no analytes detected above the CRDL. Several analytes were, however, detected below the CRDL. Based on the blank content, data for the following samples and analytes may be considered suspect:

Aluminum	MW-02, MW-09, MW-28D, MW-11
Thallium	MW-11
Selenium	DMW-04

3. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument continuing performance is satisfactory.

3.1 Initial Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes.

3.2 Continuing Calibration

All continuing calibration verification standard recoveries were within control limits.

3.3 CRDL Standard

All CRDL standard recoveries were within control limits.

3.4 ICP Interference Control Sample

All ICS recoveries were acceptable.

4. Matrix Spike/Laboratory Duplicate

Matrix spike and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 Matrix spike

All matrix spike recoveries were within control limits, with the following exceptions:

Dissolved	Antimony	67.2%
	Copper	68.3%
	Iron	128.9%
	Selenium	126.0%
	Silver	66.2%
	Thallium	139.0%
Total	Selenium	145.5%

All data for dissolved antimony, copper, iron, selenium and silver and total selenium data for samples MW-11, MW-18S, MW-24S, MW-25S, MW-26S and MW-27D have been qualified as estimated based on the recoveries.

4.2 Laboratory Duplicate

All laboratory duplicate results were within control limits with the exception of dissolved lead and zinc. All dissolved lead and zinc data have been qualified as estimated based on the results.

5. Field Duplicate

Results for the duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-26D / MW-DUP-3	aluminum	110B	111B	<CRDL
	arsenic	14.7	12.6	15%
	barium	202	203	0.5%
	calcium	110000	111000	0.9%
	cobalt	2.1B	2.0U	<CRDL
	iron	870	885	1.7%
	magnesium	28300	28600	1.0%
	manganese	6700	6770	1.0%
	potassium	8440	8570	1.5%
	sodium	397000	289000	2.7%
	thallium	6.8B	6.0U	<CRDL
	cyanide	17.3	13.3	26.1%

The duplicate results are acceptable.

6. Laboratory Control Sample (LCS)

All LCS recoveries were within control limits.

7. Serial Dilution

All required serial dilution results were acceptable with the exception of total sodium. All total sodium data have been qualified as estimated based on the results.

8. Furnace QC

No furnace analyses were performed on the samples.

9. Method of Standard Additions (MSA)

No samples were analyzed following the method of standard additions.

10. General Comments

The pH for the cyanide fraction were outside the specified limit for samples MW-18S, MW-22D, MW-23S, MW-24S, MW-27S and MW-11 and the pH for the metals fraction was outside the specified limits for sample MW-28S upon receipt at the laboratory. Since the pH was adjusted upon receipt, no data have been qualified based on the deviations.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checksheets

Inorganic Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Is there a narrative or cover letter present?	<u>X</u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> </u>	<u>X</u>	<u> </u>
Are the sample chain-of-custodies present?	<u>X</u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u>X</u>	<u> </u>	<u> </u>
<u>Form I to IX</u>			
Are all the Form I through Form IX labeled with:			
Laboratory name?	<u>X</u>	<u> </u>	<u> </u>
Sample No.?	<u>X</u>	<u> </u>	<u> </u>
SDG No.?	<u>X</u>	<u> </u>	<u> </u>
Correct units?	<u>X</u>	<u> </u>	<u> </u>
Matrix?	<u>X</u>	<u> </u>	<u> </u>
<u>Raw Data</u>			
Is the digestion log for flame AA/ICP present?	<u>X</u>	<u> </u>	<u> </u>
Is the digestion log for furnace AA present?	<u> </u>	<u> </u>	<u>X</u>
Is the distillation log for mercury present?	<u>X</u>	<u> </u>	<u> </u>
Is the distillation log for cyanides present?	<u>X</u>	<u> </u>	<u> </u>
Are pH values listed?	<u>X</u>	<u> </u>	<u> </u>
pH for metals analyses <2 (waters)?	<u> </u>	<u>X</u>	<u> </u>
pH for cyanide analyses >12 (waters)?	<u> </u>	<u>X</u>	<u> </u>
Percent solids calculation present for soils/sediments?	<u> </u>	<u> </u>	<u>X</u>
Are preparation dates present on sample preparation logs/bench sheets?	<u>X</u>	<u> </u>	<u> </u>
Are the measurement read out records present for:			
ICP	<u>X</u>	<u> </u>	<u> </u>
Flame AA	<u> </u>	<u> </u>	<u>X</u>
Furnace AA	<u> </u>	<u> </u>	<u>X</u>
Mercury	<u>X</u>	<u> </u>	<u> </u>
Cyanides	<u>X</u>	<u> </u>	<u> </u>
Is the data legible?	<u>X</u>	<u> </u>	<u> </u>
Is the data properly labeled?	<u>X</u>	<u> </u>	<u> </u>
<u>Holding Times</u>			
Were mercury analyses performed within 28 days?	<u>X</u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 2

	YES	NO	NA
Were cyanide distillations performed within 14 days?	<u>X</u>	<u> </u>	<u> </u>
Were other metal analysis performed within 6 months?	<u>X</u>	<u> </u>	<u> </u>
<u>Form I (Final Data)</u>			
Are all forms complete?	<u>X</u>	<u> </u>	<u> </u>
Are correct units indicated on Form I's?	<u>X</u>	<u> </u>	<u> </u>
Are soil sample results for each parameter corrected for percent solids?	<u>X</u>	<u> </u>	<u> </u>
Are all "less than IDL" values properly coded with "U"?	<u>X</u>	<u> </u>	<u> </u>
Are the correct concentration qualifiers used with final data?	<u>X</u>	<u> </u>	<u> </u>
Is a physical description of samples given on Form I's?	<u>X</u>	<u> </u>	<u> </u>
<u>Calibration</u>			
Is a record of at least 2 point calibration present for ICP analysis?	<u>X</u>	<u> </u>	<u> </u>
Is a record of 5 point calibration present for Hg analysis?	<u>X</u>	<u> </u>	<u> </u>
Is a record of 4 point calibration present for:			
Flame AA?	<u> </u>	<u> </u>	<u>X</u>
Furnace AA?	<u> </u>	<u> </u>	<u>X</u>
Cyanides?	<u>X</u>	<u> </u>	<u> </u>
Is one calibration standard at the CRDL level for all AA (except Hg) and cyanides analyses?	<u>X</u>	<u> </u>	<u> </u>
Is correlation coefficient less than .995 for:			
Mercury Analysis?	<u> </u>	<u>X</u>	<u> </u>
Cyanide Analysis?	<u> </u>	<u>X</u>	<u> </u>
Atomic Absorption Analysis?	<u> </u>	<u> </u>	<u>X</u>
<u>Form II A (Initial and Continuing Calibration Verification)</u>			
Present and complete for all analytes?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration standards (initial and continuing) within control limits for:			
Metals (90-110%)?	<u>X</u>	<u> </u>	<u> </u>
Hg (80-120%)?	<u>X</u>	<u> </u>	<u> </u>
Cyanides (85-115%)?	<u>X</u>	<u> </u>	<u> </u>
Was continuing calibration performed every 10 samples or every 2 hours?	<u>X</u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 3

	YES	NO	NA
Was the ICV for cyanides distilled?	<u>X</u>	<u> </u>	<u> </u>
<u>Form II B (CRDL Standards for AA and ICP)</u>			
Was a CRDL standard (CRA) analyzed after initial calibration for all AA metals (except Hg)?	<u> </u>	<u> </u>	<u>X</u>
Was a mid-range calibration verification standard distilled and analyzed for cyanide analysis?	<u>X</u>	<u> </u>	<u> </u>
Was a 2xCRDL (or 2xIDL when IDL>CRDL) standard (CRI) analyzed for each ICP run?	<u>X</u>	<u> </u>	<u> </u>
Was CRI analyzed after the ICV/ICB and before the final CCV/CCB, and twice every eight hours for each ICP run?	<u>X</u>	<u> </u>	<u> </u>
Are CRA and CRI standards within control limits for metals (60-120%)?	<u>X</u>	<u> </u>	<u> </u>
Is mid-range standard within control limits for cyanide (80-120%)?	<u>X</u>	<u> </u>	<u> </u>
<u>Form III (Initial and Continuing Calibration Blanks)</u>			
Present and complete?	<u>X</u>	<u> </u>	<u> </u>
Was an initial calibration blank analyzed?	<u>X</u>	<u> </u>	<u> </u>
Was a continuing calibration blank analyzed after every 10 samples or every 2 hours (which ever is more frequent)?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration blanks (when IDL<CRDL) less than or equal to the Contract Required Detection Limits (CRDLs)?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration blanks less than two times Instrument Detection Limit (when IDL>CRDL)?	<u> </u>	<u> </u>	<u>X</u>
<u>Form III (Preparation Blank)</u>			
Was one prep. blank analyzed for:			
each Sample Delivery Group SDG)?	<u>X</u>	<u> </u>	<u> </u>
each batch of digested samples?	<u>X</u>	<u> </u>	<u> </u>
each matrix type?	<u>X</u>	<u> </u>	<u> </u>
Is concentration of prep. blank value less than the CRDL (when IDL≤CRDL)?	<u>X</u>	<u> </u>	<u> </u>
If no, is the concentration of the sample with the least concentrated analyte less than 10 times the prep. blank?	<u> </u>	<u> </u>	<u>X</u>
Is concentration of prep. blank value less than two times IDL (when IDL>CRDL)?	<u> </u>	<u> </u>	<u>X</u>

Inorganic Data Validation Checklist - Page 4

	YES	NO	NA
Is concentration of prep. blank below the negative CRDL?	_____	<u>X</u>	_____
<u>Form IV (ICP Interference Check Sample)</u>			
Present and complete?	<u>X</u>	_____	_____
Was ICS analyzed at beginning and end of run (or at least twice every 8 hours)?	<u>X</u>	_____	_____
Are all ICS results inside the control limits ($\pm 20\%$)?	<u>X</u>	_____	_____
If no, is concentration of Al, Ca, Fe, or Mg lower than the respective concentration in ICS?	_____	_____	<u>X</u>
<u>Form V A (Spiked Sample Recovery - Pre-Digestion/Pre-Distillation)</u>			
Present and complete for:			
each SDG?	<u>X</u>	_____	_____
each matrix type?	<u>X</u>	_____	_____
Was field blank used for spiked sample?	_____	<u>X</u>	_____
Are all recoveries for analytes with sample concentrations less than four times the spike concentration within control limits (75-125)?	_____	<u>X</u>	_____
Are results outside the control limits (75-125%) flagged with "N" on Form I's and Form VA?	<u>X</u>	_____	_____
<u>Aqueous</u>			
Are any spike recoveries:			
less than 30%?	_____	<u>X</u>	_____
between 30-74%?	<u>X</u>	_____	_____
between 126-150%?	<u>X</u>	_____	_____
greater than 150%?	_____	<u>X</u>	_____
<u>Soil/Sediment</u>			
Are any spike recoveries:			
less than 10%?	_____	_____	<u>X</u>
between 10-74%?	_____	_____	<u>X</u>
between 126-200%?	_____	_____	<u>X</u>
greater than 200%?	_____	_____	<u>X</u>
<u>Form VI (Lab Duplicates)</u>			
Present and complete for:			
each SDG?	<u>X</u>	_____	_____
each matrix type?	<u>X</u>	_____	_____

Inorganic Data Validation Checklist - Page 5

	YES	NO	NA
Was field blank used for duplicate analysis?	<u> </u>	<u> X </u>	<u> </u>
Are all values within control limits (RPD 20% or difference $\leq \pm$ CRDL)?	<u> X </u>	<u> </u>	<u> </u>
If no, are all results outside the control limits flagged with an * on Form I's and VI?	<u> </u>	<u> </u>	<u> X </u>
<u>Aqueous</u>			
Is any RPD greater than 20% where sample and duplicate are both greater than or equal to 5 times CRDL?	<u> </u>	<u> X </u>	<u> </u>
Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?	<u> X </u>	<u> </u>	<u> </u>
<u>Soil/Sediment</u>			
Is any RPD (where sample and duplicate are both greater than or equal to 5 times CRDL) > 100%?	<u> </u>	<u> </u>	<u> X </u>
Is any difference between sample and duplicate (where sample and/or duplicate is less than 5xCRDL) > 2xCRDL?	<u> </u>	<u> </u>	<u> X </u>
<u>Field Duplicates</u>			
Were field duplicates analyzed?	<u> X </u>	<u> </u>	<u> </u>
<u>Aqueous</u>			
is any RPD greater than 50% where sample and duplicate are both greater than or equal to 5 times CRDL?	<u> </u>	<u> X </u>	<u> </u>
Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?	<u> </u>	<u> X </u>	<u> </u>
<u>Soil/Sediment</u>			
Is any RPD (where sample and duplicate are both greater than 5 times CRDL) > 100%?	<u> </u>	<u> </u>	<u> X </u>
Is any difference between sample and duplicate (where sample and/or duplicate is less than 5x CRDL) > 2xCRDL?	<u> </u>	<u> </u>	<u> X </u>
<u>Form VII (Laboratory Control Sample)</u>			
Was one LCS prepared and analyzed for:			
each SDG?	<u> X </u>	<u> </u>	<u> </u>
each batch samples digested/distilled?	<u> X </u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 6

	YES	NO	NA
<u>Aqueous LCS</u>			
Is any LCS recovery:			
less than 50%?	<u> </u>	<u> X </u>	<u> </u>
between 50% and 79%?	<u> </u>	<u> X </u>	<u> </u>
between 121% and 150%?	<u> </u>	<u> X </u>	<u> </u>
greater than 150%?	<u> </u>	<u> X </u>	<u> </u>
<u>Solid LCS</u>			
Is LCS "Found" value higher than the control limits?	<u> </u>	<u> </u>	<u> X </u>
Is LCS "Found" lower than the control limits?	<u> </u>	<u> </u>	<u> X </u>
<u>Form IX (ICP Serial Dilution)</u>			
Was Serial Dilution analysis performed for:			
each SDG?	<u> X </u>	<u> </u>	<u> </u>
each matrix type?	<u> X </u>	<u> </u>	<u> </u>
Was field blank(s) used for Serial Dilution Analysis?	<u> </u>	<u> X </u>	<u> </u>
Are results outside control limit flagged with an "E" on Form I's and Form IX when initial concentration on Form IX is equal to 50 times IDL or greater.	<u> X </u>	<u> </u>	<u> </u>
Are any required % difference values:			
> 10%?	<u> X </u>	<u> </u>	<u> </u>
≥ 100%?	<u> </u>	<u> X </u>	<u> </u>
<u>Furnace Atomic Absorption (AA) QC Analysis</u>			
Are duplicate injections present in furnace raw data (except during full Method of Standard Addition) for each sample analyzed by GFAA?	<u> </u>	<u> </u>	<u> X </u>
Do the duplicate injection readings agree within 20% Relative Standard Deviation (RSD) or coefficient of Variation (CV) for concentrations greater than CRDL?	<u> </u>	<u> </u>	<u> X </u>
Were dilutions analyzed for samples with analytical spike recovery less than 40%?	<u> </u>	<u> </u>	<u> X </u>
Is analytical spike recovery outside the control limits (85-115%) for any sample?	<u> </u>	<u> </u>	<u> X </u>
<u>Form VIII (Method of Standard Addition Results)</u>			
Present?	<u> </u>	<u> X </u>	<u> </u>
If no, is any Form I result coded with "S" or "+"?	<u> </u>	<u> X </u>	<u> </u>
Was MSA required for any sample but not performed?	<u> </u>	<u> X </u>	<u> </u>

Inorganic Data Validation Checklist - Page 7

	YES	NO	NA
Is the coefficient of correlation for MSA less than 0.995 for any sample?	<u> </u>	<u> </u>	<u> X </u>
Is the coefficient of correlation for MSA less than 0.990 for any sample?	<u> </u>	<u> </u>	<u> X </u>
Was proper quantitation procedure followed?	<u> </u>	<u> </u>	<u> X </u>
<u>Dissolved/Total for Inorganic/Total Analytes</u>			
Were any analyses performed for dissolved as well as total analytes on the same sample.	<u> X </u>	<u> </u>	<u> </u>
Is the concentration of any dissolved analyte greater than its total concentration by more than 10%? (if greater than CRDL)	<u> </u>	<u> X </u>	<u> </u>
Is the concentration of any dissolved analyte greater than its total concentration by more than 50%?	<u> </u>	<u> X </u>	<u> </u>
<u>Field Blank</u>			
Is the field blank concentration less than CRDL (or 2xIDL when IDL>CRDL) for all analytes?	<u> </u>	<u> </u>	<u> X </u>
If no, was field blank value already rejected due to other QC criteria?	<u> </u>	<u> </u>	<u> X </u>
<u>Form X, XI, XII (Verification of Instrumental Parameters)</u>			
Is verification report present for :			
Instrument Detection Limits (quarterly)?	<u> X </u>	<u> </u>	<u> </u>
ICP Interelement Correlation Factors (annually)?	<u> X </u>	<u> </u>	<u> </u>
ICP Linear Ranges (quarterly)?	<u> X </u>	<u> </u>	<u> </u>
Is IDL greater than CRDL for any analyte?	<u> </u>	<u> X </u>	<u> </u>
If yes, are the concentrations of the samples analyzed on the instrument whose IDL exceeds CRDL, greater than 5xIDL.	<u> </u>	<u> </u>	<u> X </u>
Was any sample result higher than the linear range of ICP.	<u> X </u>	<u> </u>	<u> </u>
Was any sample result higher than the highest calibration standard for non-ICP parameters?	<u> </u>	<u> X </u>	<u> </u>
If yes for any of the above, was the sample diluted to obtain the result on Form I?	<u> X </u>	<u> </u>	<u> </u>
<u>Percent Solids</u>			
Are the percent solids in soil/sediment(s):			
< 50%?	<u> </u>	<u> </u>	<u> X </u>
< 10%?	<u> </u>	<u> </u>	<u> X </u>

Corrected Sample Analysis Data Sheets

NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

DMW-04

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65768-8

Level (low/med): LOW

Date Received: 11/15/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	78.0	U		P
7440-36-0	Antimony	5.0	U	N	P
7440-38-2	Arsenic	8.4	B		P
7440-39-3	Barium	80.5	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	148000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	3.0	U	N	P
7439-89-6	Iron	921	N		P
7439-92-1	Lead	2.7	B	*	P
7439-95-4	Magnesium	64000			P
7439-96-5	Manganese	46.7			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.5	B		P
7440-09-7	Potassium	14100			P
7782-49-2	Selenium	5.3		N	P
7440-22-4	Silver	2.0	U	N	P
7440-23-5	Sodium	286000			P
7440-28-0	Thallium	6.0	U	N	P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U	*	P
57-12-5	Cyanide				NR

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

DMW-28S

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65835-3

Level (low/med): LOW

Date Received: 11/16/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	331	-		P
7440-36-0	Antimony	5.0	U	N L	P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	53.3	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	246000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	3.0	U	N L	P
7439-89-6	Iron	623		N L	P
7439-92-1	Lead	2.0	U	* L	P
7439-95-4	Magnesium	1360	B		P
7439-96-5	Manganese	10	B		P
7439-97-6	Mercury	0.48			AV
7440-02-0	Nickel	3.6	B		P
7440-09-7	Potassium	14700			P
7782-49-2	Selenium	4.0	B	N L	P
7440-22-4	Silver	2.0	U	N L	P
7440-23-5	Sodium	249000			P
7440-28-0	Thallium	6.0	U	N	P
7440-62-2	Vanadium	3.2	B		P
7440-66-6	Zinc	2.0	U	* L	P
57-12-5	Cyanide				NR

Color Before:

Clarity Before:

Texture:

Color After:

Clarity After:

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-02

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65768-1

Level (low/med): LOW

Date Received: 11/15/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	173	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	20.8			P
7440-39-3	Barium	3010			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	11.9			P
7440-70-2	Calcium	154000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	8.0	B		P
7439-89-6	Iron	28500			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	35000			P
7439-96-5	Manganese	631			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	5630			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	142000		E	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	3.7	B		P
57-12-5	Cyanide	27.5			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-04

Lab Name: Galson Laboratories

Contract: BBL

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65768-5

Level (low/med): LOW

Date Received: 11/15/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2780	-		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	11.0			P
7440-39-3	Barium	93.9	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	152000			P
7440-47-3	Chromium	7.3	B		P
7440-48-4	Cobalt	7.4	B		P
7440-50-8	Copper	21.8	B		P
7439-89-6	Iron	5430			P
7439-92-1	Lead	25.0			P
7439-95-4	Magnesium	64500			P
7439-96-5	Manganese	96.4			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	5.6	B		P
7440-09-7	Potassium	13600			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	285000		E J	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	4.4	B		P
7440-66-6	Zinc	73.8			P
57-12-5	Cyanide	2030			C

Color Before: grey

Clarity Before: cloudy

Texture:

Color After: light yell

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-09

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65768-2

Level (low/med): LOW

Date Received: 11/15/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	120	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	92.6	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	3.6	B		P
7440-70-2	Calcium	206000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	957			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	57000			P
7439-96-5	Manganese	1170			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	6040			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	252000		E J	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	3.0	B		P
57-12-5	Cyanide	10.0	U		C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-11

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65835-4

Level (low/med): LOW

Date Received: 11/16/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	123	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	41.2			P
7440-39-3	Barium	299			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	198000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	49500			P
7439-92-1	Lead	2.3	B		P
7439-95-4	Magnesium	37700			P
7439-96-5	Manganese	5720			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	10700			P
7782-49-2	Selenium	5.0		N J	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	94100		E J	P
7440-28-0	Thallium	6.5	B		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	10.0	U		C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-18S

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65579-1

Level (low/med): LOW

Date Received: 11/10/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	78.0	U		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	294			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	123000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	34900			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	20600			P
7439-96-5	Manganese	6500			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	2620	B		P
7782-49-2	Selenium	8.8		N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	91300		E	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	105			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-22D

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65579-2

Level (low/med): LOW

Date Received: 11/10/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	343	-		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	4950			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	191000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	1050			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	51200			P
7439-96-5	Manganese	3080			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	3650	B		P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	52000		EJ	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.1	B		P
57-12-5	Cyanide	12.1			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-23S

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65579-3

Level (low/med): LOW

Date Received: 11/10/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1700	—		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	20.8			P
7440-39-3	Barium	2910			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	188000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.6	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	46700			P
7439-92-1	Lead	4.5			P
7439-95-4	Magnesium	38700			P
7439-96-5	Manganese	8370			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	B		P
7440-09-7	Potassium	17800			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	249000		EJ	P
7440-28-0	Thallium	6.3	B		P
7440-62-2	Vanadium	2.8	B		P
7440-66-6	Zinc	6.8	B		P
57-12-5	Cyanide	166			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-24S

Lab Name: Galson Laboratories

Contract: BBL

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65579-4

Level (low/med): LOW

Date Received: 11/10/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	372	-		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	12.4			P
7440-39-3	Barium	1400			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	209000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	14100			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	39500			P
7439-96-5	Manganese	4430			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	9270			P
7782-49-2	Selenium	6.5		NJ	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	230000		EJ	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	145			C

Color Before: colorless

Clarity Before: clear

Texture: —

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-25S

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65623-1

Level (low/med): LOW

Date Received: 11/10/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	248	-		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	5.1	B		P
7440-39-3	Barium	545			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	161000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	10200			P
7439-92-1	Lead	2.2	B		P
7439-95-4	Magnesium	28800			P
7439-96-5	Manganese	3540			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	6240			P
7782-49-2	Selenium	5.2		NJ	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	157000		EJ	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	5.0	B		P
57-12-5	Cyanide	24.9			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-26D

Lab Name: Galson Laboratories

Contract: BBL

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65721-1

Level (low/med): LOW

Date Received: 11/14/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	110	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	14.7			P
7440-39-3	Barium	202			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	110000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	870			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	28300			P
7439-96-5	Manganese	6700			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	8440			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	297000		ES	P
7440-28-0	Thallium	6.8	B		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	17.3			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-26S

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65888-1

Level (low/med): LOW

Date Received: 11/17/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	384	-		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	5.7	B		P
7440-39-3	Barium	88.1	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	61400			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	645			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	8920			P
7439-96-5	Manganese	867			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	3970	B		P
7782-49-2	Selenium	6.7		NJ	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	107000		EJ	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	15.2			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-27D

Lab Name: Galson Laboratories

Contract: BBL

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65721-3

Level (low/med): LOW

Date Received: 11/14/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	119	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	17.7			P
7440-39-3	Barium	518			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	169000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	44100			P
7439-92-1	Lead	3.3			P
7439-95-4	Magnesium	31300			P
7439-96-5	Manganese	11400			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	15900			P
7782-49-2	Selenium	7.1		N J	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	249000		E J	P
7440-28-0	Thallium	6.5	B		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	96.0			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

FORM I - IN

10/95

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-27S

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65721-2

Level (low/med): LOW

Date Received: 11/14/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	100	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.8	B		P
7440-39-3	Barium	275			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	156000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	11700			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	17300			P
7439-96-5	Manganese	1020			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	12200			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	215000		EJ	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	716			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

FORM I - IN

10/95

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-28D

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65835-1

Level (low/med): LOW

Date Received: 11/16/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	161	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	5.6	B		P
7440-39-3	Barium	2070			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	205000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.1	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	283			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	36600			P
7439-96-5	Manganese	586			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	11800			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	347000		E	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	539			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

FORM I - IN

10/95

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-28S

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65835-2

Level (low/med): LOW

Date Received: 11/16/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	539	—		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.5	B		P
7440-39-3	Barium	64.0	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	285000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	910			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	1410	B		P
7439-96-5	Manganese	89.2			P
7439-97-6	Mercury	0.85			AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	14300			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	246000		E J	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	4.1	B		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	1110			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-DUP-3

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65721-5

Level (low/med): LOW

Date Received: 11/14/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	111	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	12.6			P
7440-39-3	Barium	203			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	111000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	885			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	28600			P
7439-96-5	Manganese	6770			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	8570			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	289000		ES	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	13.3			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

PZ-1D

Lab Name: Galson Laboratories

Contract: BBL

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65623-2

Level (low/med): LOW

Date Received: 11/10/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	466	—		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	26.8			P
7440-39-3	Barium	581			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	134000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	16900			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	14300			P
7439-96-5	Manganese	1840			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	5630			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	85800		E J	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	58.0			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

PZ-1S

Lab Name: Galson Laboratories

Contract: BBL

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65623-3

Level (low/med): LOW

Date Received: 11/10/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	98.9	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	8.4	B		P
7440-39-3	Barium	209			P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	136000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	33200			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	16500			P
7439-96-5	Manganese	1880			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	10100			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	93600		EJ	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.0	U		P
57-12-5	Cyanide	47.5			C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

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NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

PZ-02

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L65579

Matrix (soil/water): Water

Lab Sample ID: L65835-5

Level (low/med): LOW

Date Received: 11/16/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	132	B		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	83.0	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	124000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	28.0	U		P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	24100			P
7439-96-5	Manganese	18.3			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	8300			P
7782-49-2	Selenium	4.0	U	N	P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	123000		EJ	P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	2.4	B		P
57-12-5	Cyanide	10.0	U		C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

FORM I - IN

10/95

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Laboratory Narrative



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Ms. Lynette Mokry
Blasland, Bouck & Lee
6723 Towpath Road, Box 66
Syracuse, NY 13214

RE: NMPC North Albany Project No. 366.08
SDG L65579

The following package contains the analytical results of the water samples submitted to our laboratory on November 10, 14, 15, 16 and 17, 2000. The samples were received intact and under proper chain of custody. The temperature of the samples was checked upon receipt. The sample temperatures, as recorded with a temperature gun, were 8.1°, 8.9°, 6.8°, 2.9°, 2.3° and 3.0°C. The samples were assigned to logins L65579, L65623, L65721, L65768, L65835 and L65888, and sample delivery group (SDG) L65527.

A few samples submitted for cyanide and metals required pH adjustment upon receipt. The adjustments are recorded on the Preserved Sample pH Record forms found in the front end of the package.

The samples are reported according to ASP Category B guidelines. Sample MW-09A was submitted for matrix spike and spike duplicate analyses. The samples were analyzed by SW846 methods 8260, 8270, 8082, 6010/7000 and 9010.

I certify that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the *package review checklists*. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or manager's designee, as verified by the following signature.

Galson Laboratories

Date: December 21, 2000



GC/MS VOLATILES PACKAGE REVIEW CHECKLIST

Client: BBL Project: N. Albany SDG: L65579

	<u>YES</u>	<u>NO</u>	<u>NA</u>
DEC FORMS: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
Hold Times Met	<u>✓</u>	<u>—</u>	<u>—</u>

Comments: _____

FORM 1A: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
FORM 1E: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
Raw Data Present for All Samples	<u>✓</u>	<u>—</u>	<u>—</u>

Comments: _____

FORM 2A/B: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
Surrogate Recoveries in Limits	<u>✓</u>	<u>—</u>	<u>—</u>
If No, sample(s) reanalyzed	<u>—</u>	<u>—</u>	<u>✓</u>

Comments: _____

FORM 3A/B: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
Spike Recoveries in Limits	<u>✓</u>	<u>—</u>	<u>—</u>

Comments: _____

FORM 4A: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
FORM 5A: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
MDLs: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>

GC/MS VOLATILES PACKAGE REVIEW CHECKLIST

Client: BOL Project: N. Albany SDG: 46579

	<u>YES</u>	<u>NO</u>	<u>NA</u>
FORM 6A: Present and Complete Calibration(s) Pass	<u>✓</u> <u>✓</u>	<u>—</u> <u>—</u>	<u>—</u> <u>—</u>

Comments: _____

FORM 7A: Present and Complete Calibration(s) Pass	<u>✓</u> <u>✓</u>	<u>(*)</u> <u>—</u>	<u>—</u> <u>—</u>

Comments: MS "B", 11/14/00 (File BE111414): 1,2-Dichloropropane %D 26.6% vs. 20%.
All detected target cmpds for this 12-hour sequence were < 20% diff.
MS "C" 11/14/00 (File CD111604): 1,1-DCE %D 22% All detected target cmpds were < 20% diff.
Data is not affected.

FORM 8A: Present and Complete Internal Std Areas in Limits	<u>✓</u> <u>✓</u>	<u>—</u> <u>—</u>	<u>—</u> <u>—</u>
If Not, Sample(s) Reanalyzed	<u>—</u>	<u>—</u>	<u>✓</u>

Comments: _____

FORM 1A - Method Blanks, MS/MSD/MSB:			
Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
Raw Data Present	<u>✓</u>	<u>—</u>	<u>—</u>
Method Blanks < MDL	<u>—</u>	<u>✓</u>	<u>—</u>
If not, Associated Data Flagged " B "	<u>✓</u>	<u>—</u>	<u>—</u>

Comments: _____

INTERNAL CHAIN OF CUSTODY: Present	<u>✓</u>	<u>—</u>	<u>—</u>

PERCENT MOISTURE SHEET: Present	<u>—</u>	<u>—</u>	<u>✓</u>

SECTION SUPERVISOR: Ry J. Jones DATE: 12/7/00

QC REVIEWER: Lynne W. M. M. M. DATE: 12/12/00

GC/MS Semivolatile Package Review Checklist

Client : BBL Project : NIM/N. ALBANY SDG : LG5579

		<u>YES</u>	<u>NO</u>	<u>NA</u>
DEC Forms	present and complete	<u>✓</u>		
	hold times met	<u>✓</u>		
comments : _____				

Internal Chain-of-Custody	present and complete	<u>✓</u>		
Form 2C/2D	present and complete	<u>✓</u>		
	surrogate recoveries within limits *	<u>✓</u>		
	sample(s) reanalyzed	<u>✓</u>		
comments : <u>*Surrogate recoveries of sample MW-02 exceeded in-house control limits due to matrix interference. Surrogates diluted out of reanalysis run at dilution factor 200.</u>				
Form 3C/3D	present and complete	<u>✓</u>		
	spike recoveries within limits	<u>✓</u>		
comments : _____				

Form 4B	present and complete	<u>✓</u>		
Form 5B	present and complete	<u>✓</u>		
IDLs	present and complete	<u>✓</u>		
Sample Form 1B/1C/1F	present and complete	<u>✓</u>		
	raw data present for all samples	<u>✓</u>		
comments : _____				

Form 6B/6C	present and complete	<u>✓</u>		
	calibration(s) pass	<u>✓</u>		
comments : _____				

GC/MS Semivolatile Package Review Checklist

Client: BBL

Project: NIMON-ALBANY

SDG: LG5579

		YES	NO	NA
Form 7B/7C	present and complete calibration(s) pass *	☒	☐	☐
comments:	<u>Two compounds failed high, yet were not detected in the associated samples.</u>			
Form 8B/8C	present and complete internal standard areas within limits	☒	☐	☐
	sample(s) reanalyzed	☒	☒	☐
comments:	<u>A few standards exceeded criteria probably due to matrix effects.</u>			
QC Form 1B/1C/1F	present and complete raw data present for all samples	☒	☐	☐
	method blank results <MDL	☐	☒	☐
	associated results flagged "B"	☒	☐	☐
comments:				
Calculation Sheet	present	☒	☐	☐
Instrument Logs	present and complete	☒	☐	☐
Extraction Logs	present and complete	☒	☐	☐
Moisture Sheet	present and complete	☐	☐	☒

additional comments : _____

Section Supervisor : Ormon V. Kappil Date: 12/18/00

QC Reviewer : David L. Matus Date: 12/18/00

INORGANIC PACKAGE REVIEW CHECKLIST

CLIENT BBL PROJECT N. ALBANY SDG 465579

	YES	NO	NA
DEC FORMS: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
HOLD TIMES MET	<u>✓</u>	<u>—</u>	<u>—</u>

COMMENTS: _____

COVER PAGE: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
METALS CHAIN OF CUSTODY PRESENT	<u>✓</u>	<u>—</u>	<u>—</u>

FORM 1: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>

COMMENTS: _____

FORM 2: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
ICV/CCV RECOVERIES WITHIN LIMITS	<u>✓</u>	<u>—</u>	<u>—</u>

COMMENTS: _____

FORM 2B: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
RECOVERIES WITHIN 80-120%	<u>✓</u>	<u>—</u>	<u>—</u>

Not required for Al, Ba, Ca, Fe, Mg, Na, K

COMMENTS: _____

FORM 3: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
ICB/CCBs LESS THAN CRDL	<u>✓</u>	<u>—</u>	<u>—</u>
ALL PBs PRESENT AND <CRDL	<u>✓</u>	<u>—</u>	<u>—</u>

COMMENTS: _____

FORM 4: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
RECOVERIES WITHIN 80-120%	<u>✓</u>	<u>—</u>	<u>—</u>

Not required for Ca, Mg, K and Na

COMMENTS: _____

FORM 5: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
IF SR<4XSA, RECOVERIES WITHIN 75-125%	<u>—</u>	<u>✓</u>	<u>—</u>

Not required for Ca, Mg, K and Na for all matrices, and Al, Fe for soils.

IF NO, POST SPIKES PERFORMED

ASSOCIATED RESULTS FLAGGED "N"

COMMENTS: Sb, Cu, Fe, Se, Ag, Tl outside criteria for dissolved samples

Total metals, Se outside criteria.

INORGANIC PACKAGE REVIEW CHECKLIST

CLIENT BBL PROJECT N ALBANY SDG L65579

	YES	NO	NA
FORM 6: PRESENT AND COMPLETE	☒	☐	☐
IF CRDL < SR < 5XCRDL, SR-DR < CRDL	☐	☒	☐
IF SR > 5XCRDL, RPD < 20%	☒	☐	☐
IF NO, ASSOCIATED RESULTS FLAGGED "***"	☒	☐	☐
COMMENTS: <u>Dissolved Pb and Zn failed criteria.</u>			

FORM 7: PRESENT AND COMPLETE	☒	☐	☐
RECOVERIES WITHIN 80-120% FOR WATER	☒	☐	☐
RECOVERIES WITHIN LIMITS FOR SOILS	☐	☐	☒
COMMENTS: _____			

FORM 9: PRESENT AND COMPLETE	☒	☐	☐
IF SR > 50X IDL; %D < 10%	☐	☒	☐
IF NO, ASSOCIATED RESULTS FLAGGED "E"	☒	☐	☐
COMMENTS: <u>Sodium exceeded 10% D for total metals</u>			

FORM 10: PRESENT AND COMPLETE	☒	☐	☐
FORM 11: PRESENT AND COMPLETE	☒	☐	☐
FORM 12: PRESENT AND COMPLETE	☒	☐	☐
FORM 13: PRESENT AND COMPLETE	☒	☐	☐
COMMENTS: _____			

FORM 14: PRESENT AND COMPLETE	☒	☐	☐
COMMENTS: _____			
RAW DATA: PRESENT FOR ALL SAMPLES	☒	☐	☐
CALIBRATION STANDARDS LOG: PRESENT	☒	☐	☐
PERCENT MOISTURE CALCULATION: PRESENT	☐	☐	☒

METALS ANALYST
 SECTION SUPERVISOR: Terry O'Brien DATE: 12/20/00
 QC REVIEWER: [Signature] DATE: 12/21/00

NYSDEC Sample Preparation and Analysis Summary Sheets

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

LOGIN : L65579

SDG : L65579 MATRIX : Water

Client Sample Code	Laboratory Sample Code	If CLP, Indicate year of protocol 1995														
		VOA	MS BNA	Pest/ PCB'S	Organophos Pesticides	Chlor Herb.	T. Dithio- Carbamates Pest.	Methyl- Carbamates	Organics List #	ETU	Karb.	CN- Total	CN- Amen.	Metals List #	Diss. Metals List #	Wet/ Chem. List #
MW-18S	L65579-1	X	X									X		1		
MW-22D	L65579-2	X	X									X		1		
MW-23S	L65579-3	X	X									X		1		
MW-24S	L65579-4	X	X									X		1		
TRIP BLANK	L65579-5	X														

METALS LIST 1 : HG, AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

LOGIN : L65623

SDG : L65577 MATRIX : Water

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Client Sample Code	Laboratory Sample Code	If CLP, Indicate year of protocol 1995														
		VOA	MS BNA	Pest/ PCB'S	Organophos Pesticides	Chlor Herb	T. Dithio- Carbamates Pest	Methyl- Carbamates	Organics List #	ETU	Karb.	CN- Total	CN- Amen.	Metals List #	Diss. Metals List #	Wet, Chem. List #
MW-25S	L65623-1	X	X								X		1			
PZ-1D	L65623-2	X	X								X		1			
PZ-1S	L65623-3	X	X								X		1			
TRIP BLANK	L65623-4	X														

METALS LIST 1 : HG, AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

LOGIN : L65721

SDG : *L65577* MATRIX : Water

Client Sample Code	Laboratory Sample Code	If CLP, Indicate year of protocol 1995														
		VOA	MS BNA	Pest/ PCB'S	Organophos. Pesticides	Chlor. Herb.	T. Dithio- Carbamates Pest.	Methyl- Carbamates	Organics List #	ETU	Karp.	CN- Total	CN- Amen.	Metals List #	Diss. Metals List #	Wet Chem. List #
MW-26D	L65721-1	X	X									X		1		
MW-27S	L65721-2	X	X									X		1		
MW-27D	L65721-3	X	X									X		1		
TRIP BLANK	L65721-4	X														
MW-DUP-3	L65721-5		X									X		1		

METALS LIST 1 : HG, AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

LOGIN : L65768

SDG : *L65768* MATRIX : Water

Client Sample Code	Laboratory Sample Code	If CLP, Indicate year of protocol 1995														
		VOA	MS BNA	Pest/ PCB'S	Organophos. Pesticides	Chlor. Herb	T. Dithio- Carbamates Pest.	Methyl- Carbamates	Organics List #	ETU	Karp.	CN- Total	CN- Amen.	Metals List #	Diss. Metals List #	Wet Chem. List #
MW-02	L65768-1	X	X								X		1			
MW-09	L65768-2	X	X								X		1			
MW-09MS	L65768-3	X	X								X		1			
MW-09MSD	L65768-4	X	X								X		1			
MW-04	L65768-5	X	X								X		1			
TRIP BLANK	L65768-6	X														
MW-DUP4	L65768-7	X														
MW-04	L65768-8														1	
MSB/LCS	L65768-9	X	X								X		1			

METALS LIST 1 : HG, AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN

DISSOLVED METALS LIST 1 : HG, AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

LOGIN : L65835

SDG : L65579 MATRIX : Water

Client Sample Code	Laboratory Sample Code	If CLP, Indicate year of protocol 1995														
		VOA	MS BNA	Pest/ PCB'S	Organophos Pesticides	Chlor Herb.	T Dithio- Carbamates Pest	Methyl- Carbamates	Organics List #	ETU	Karb.	CN- Total	CN- Amen.	Metals List #	Diss. Metals List #	Wet Chem. List #
MW-28D	L65835-1	X	X									X		1		
MW-28S	L65835-2	X	X									X		1		
MW-28S	L65835-3														1	
MW-11	L65835-4	X	X									X		1		
PZ-02	L65835-5	X	X				X	X				X		1		
TRIP BLANK	L65835-6	X														

METALS LIST 1 : HG, AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN

DISSOLVED METALS LIST 1 : HG, AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

LOGIN : L65888

SDG : *L65579* MATRIX : Water

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Client Sample Code	Laboratory Sample Code	If CLP, Indicate year of protocol 1995														Wet Chem. List #
		VOA	MS BNA	Pest/ PCB'S	Organophos Pesticides	Chlor. Herb.	T. Dithio- Carbamates Pest	Methyl- Carbamates	Organics List #	ETU	Karp.	CN- Total	CN- Amen.	Metals List #	Diss. Metals List #	
MW-26S	L65888-1	X	X									X		1		
TRIP BLANK	L65888-2	X														

METALS LIST 1 : HG, AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - VOLATILE

Sample ID	Matrix	Date Collected	Date Rec at Lab	Date Extracted	Date Analyzed
MW-27D L65721-3	WATER	13-NOV-00	14-NOV-00	NA	15-NOV-00
MW-27S L65721-2	WATER	13-NOV-00	14-NOV-00	NA	17-NOV-00
MW-27S DL L65721-2 DL	WATER	13-NOV-00	14-NOV-00	NA	17-NOV-00
MW-28D L65835-1	WATER	15-NOV-00	16-NOV-00	NA	17-NOV-00
MW-28S L65835-2	WATER	15-NOV-00	16-NOV-00	NA	17-NOV-00
MW-DUP4 L65768-7	WATER	14-NOV-00	15-NOV-00	NA	17-NOV-00
PZ-02 L65835-5	WATER	15-NOV-00	16-NOV-00	NA	17-NOV-00
PZ-1D L65623-2	WATER	10-NOV-00	10-NOV-00	NA	14-NOV-00
PZ-1S L65623-3	WATER	10-NOV-00	10-NOV-00	NA	14-NOV-00
TRIP BLANK L65579-5	WATER	09-NOV-00	10-NOV-00	NA	14-NOV-00
TRIP BLANK L65623-4	WATER	10-NOV-00	10-NOV-00	NA	14-NOV-00
TRIP BLANK L65721-4	WATER	13-NOV-00	14-NOV-00	NA	14-NOV-00
TRIP BLANK L65768-6	WATER	14-NOV-00	15-NOV-00	NA	15-NOV-00
TRIP BLANK L65835-6	WATER	15-NOV-00	16-NOV-00	NA	18-NOV-00
TRIP BLANK L65888-2	WATER	16-NOV-00	17-NOV-00	NA	20-NOV-00

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - VOLATILE

Sample ID	Matrix	Date Collected	Date Rec at Lab	Date Extracted	Date Analyzed
MW-02 L65768-1	WATER	14-NOV-00	15-NOV-00	NA	17-NOV-00
MW-02 DL L65768-1 DL	WATER	14-NOV-00	15-NOV-00	NA	17-NOV-00
MW-04 L65768-5	WATER	14-NOV-00	15-NOV-00	NA	17-NOV-00
MW-09 L65768-2	WATER	14-NOV-00	15-NOV-00	NA	17-NOV-00
MW-09MS L65768-3	WATER	14-NOV-00	15-NOV-00	NA	21-NOV-00
MW-09MSD L65768-4	WATER	14-NOV-00	15-NOV-00	NA	21-NOV-00
MW-11 L65835-4	WATER	15-NOV-00	16-NOV-00	NA	17-NOV-00
MW-18S L65579-1	WATER	09-NOV-00	10-NOV-00	NA	14-NOV-00
MW-18S DL L65579-1 DL	WATER	09-NOV-00	10-NOV-00	NA	16-NOV-00
MW-22D L65579-2	WATER	09-NOV-00	10-NOV-00	NA	15-NOV-00
MW-23S L65579-3	WATER	09-NOV-00	10-NOV-00	NA	15-NOV-00
MW-23S DL L65579-3 DL	WATER	09-NOV-00	10-NOV-00	NA	16-NOV-00
MW-24S L65579-4	WATER	09-NOV-00	10-NOV-00	NA	15-NOV-00
MW-25S L65623-1	WATER	10-NOV-00	10-NOV-00	NA	14-NOV-00
MW-26D L65721-1	WATER	13-NOV-00	14-NOV-00	NA	17-NOV-00
MW-26S L65888-1	WATER	16-NOV-00	17-NOV-00	NA	21-NOV-00

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - VOLATILE

Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Clean up	Dil/Conc Factor
MW-02 L65768-1	WATER	SW846 8260	NA		5
MW-02 DL L65768-1 DL	WATER	SW846 8260	NA		50
MW-04 L65768-5	WATER	SW846 8260	NA		5
MW-09 L65768-2	WATER	SW846 8260	NA		1
MW-09MS L65768-3	WATER	SW846 8260	NA		1
MW-09MSD L65768-4	WATER	SW846 8260	NA		1
MW-11 L65835-4	WATER	SW846 8260	NA		1
MW-18S L65579-1	WATER	SW846 8260	NA		1
MW-18S DL L65579-1 DL	WATER	SW846 8260	NA		5
MW-22D L65579-2	WATER	SW846 8260	NA		1
MW-23S L65579-3	WATER	SW846 8260	NA		1
MW-23S DL L65579-3 DL	WATER	SW846 8260	NA		2.5
MW-24S L65579-4	WATER	SW846 8260	NA		1
MW-25S L65623-1	WATER	SW846 8260	NA		1
MW-26D L65721-1	WATER	SW846 8260	NA		5
MW-26S L65888-1	WATER	SW846 8260	NA		10

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - VOLATILE

Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Clean up	Dil/Conc Factor
MW-27D L65721-3	WATER	SW846 8260	NA		1
MW-27S L65721-2	WATER	SW846 8260	NA		5
MW-27S DL L65721-2 DL	WATER	SW846 8260	NA		10
MW-28D L65835-1	WATER	SW846 8260	NA		1.67
MW-28S L65835-2	WATER	SW846 8260	NA		5
MW-DUP4 L65768-7	WATER	SW846 8260	NA		1
PZ-02 L65835-5	WATER	SW846 8260	NA		1
PZ-1D L65623-2	WATER	SW846 8260	NA		1
PZ-1S L65623-3	WATER	SW846 8260	NA		1
TRIP BLANK L65579-5	WATER	SW846 8260	NA		1
TRIP BLANK L65623-4	WATER	SW846 8260	NA		1
TRIP BLANK L65721-4	WATER	SW846 8260	NA		1
TRIP BLANK L65768-6	WATER	SW846 8260	NA		1
TRIP BLANK L65835-6	WATER	SW846 8260	NA		1
TRIP BLANK L65888-2	WATER	SW846 8260	NA		1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - SEMIVOLATILE

Sample ID	Matrix	Date Collected	Date Rec at Lab	Date Extracted	Date Analyzed
MW-02 L65768-1	WATER	14-NOV-00	15-NOV-00	17-NOV-00	21-NOV-00
MW-02 DL L65768-1 DL	WATER	14-NOV-00	15-NOV-00	17-NOV-00	27-NOV-00
MW-04 L65768-5	WATER	14-NOV-00	15-NOV-00	17-NOV-00	22-NOV-00
MW-04 DL L65768-5 DL	WATER	14-NOV-00	15-NOV-00	17-NOV-00	27-NOV-00
MW-09 L65768-2	WATER	14-NOV-00	15-NOV-00	17-NOV-00	21-NOV-00
MW-09MS L65768-3	WATER	14-NOV-00	15-NOV-00	17-NOV-00	21-NOV-00
MW-09MSD L65768-4	WATER	14-NOV-00	15-NOV-00	17-NOV-00	21-NOV-00
MW-11 L65835-4	WATER	15-NOV-00	16-NOV-00	17-NOV-00	21-NOV-00
MW-18S L65579-1	WATER	09-NOV-00	10-NOV-00	15-NOV-00	20-NOV-00
MW-18S DL L65579-1 DL	WATER	09-NOV-00	10-NOV-00	15-NOV-00	20-NOV-00
MW-22D L65579-2	WATER	09-NOV-00	10-NOV-00	15-NOV-00	20-NOV-00
MW-23S L65579-3	WATER	09-NOV-00	10-NOV-00	15-NOV-00	20-NOV-00
MW-23S R L65579-3 R	WATER	09-NOV-00	10-NOV-00	15-NOV-00	20-NOV-00
MW-24S L65579-4	WATER	09-NOV-00	10-NOV-00	15-NOV-00	20-NOV-00
MW-25S L65623-1	WATER	10-NOV-00	10-NOV-00	15-NOV-00	20-NOV-00
MW-26D DL L65721-1 DL	WATER	13-NOV-00	14-NOV-00	15-NOV-00	27-NOV-00

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - SEMIVOLATILE

Sample ID	Matrix	Date Collected	Date Rec at Lab	Date Extracted	Date Analyzed
MW-26D L65721-1	WATER	13-NOV-00	14-NOV-00	15-NOV-00	27-NOV-00
MW-26S L65888-1	WATER	16-NOV-00	17-NOV-00	22-NOV-00	28-NOV-00
MW-26S DL L65888-1 DL	WATER	16-NOV-00	17-NOV-00	22-NOV-00	29-NOV-00
MW-27D L65721-3	WATER	13-NOV-00	14-NOV-00	15-NOV-00	20-NOV-00
MW-27D DL L65721-3 DL	WATER	13-NOV-00	14-NOV-00	15-NOV-00	27-NOV-00
MW-27S L65721-2	WATER	13-NOV-00	14-NOV-00	15-NOV-00	20-NOV-00
MW-27S DL L65721-2 DL	WATER	13-NOV-00	14-NOV-00	15-NOV-00	27-NOV-00
MW-28D L65835-1	WATER	15-NOV-00	16-NOV-00	17-NOV-00	21-NOV-00
MW-28D DL L65835-1 DL	WATER	15-NOV-00	16-NOV-00	17-NOV-00	27-NOV-00
MW-28S L65835-2	WATER	15-NOV-00	16-NOV-00	17-NOV-00	21-NOV-00
MW-28S DL L65835-2 DL	WATER	15-NOV-00	16-NOV-00	17-NOV-00	27-NOV-00
MW-DUP-3 L65721-5	WATER	13-NOV-00	14-NOV-00	15-NOV-00	20-NOV-00
MW-DUP-3 DL L65721-5 DL	WATER	13-NOV-00	14-NOV-00	15-NOV-00	27-NOV-00
PZ-02 L65835-5	WATER	15-NOV-00	16-NOV-00	17-NOV-00	21-NOV-00
PZ-1D L65623-2	WATER	10-NOV-00	10-NOV-00	15-NOV-00	20-NOV-00
PZ-1S L65623-3	WATER	10-NOV-00	10-NOV-00	15-NOV-00	20-NOV-00

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - SEMIVOLATILE

Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Clean up	Dil/Conc Factor
MW-02 L65768-1	WATER	SW846 8270	SW846/3520 /8270	NONE	1
MW-02 DL L65768-1 DL	WATER	SW846 8270	SW846/3520 /8270		200
MW-04 L65768-5	WATER	SW846 8270	SW846/3520 /8270		1
MW-04 DL L65768-5 DL	WATER	SW846 8270	SW846/3520 /8270		25
MW-09 L65768-2	WATER	SW846 8270	SW846/3520 /8270		1
MW-09MS L65768-3	WATER	SW846 8270	SW846/3520 /8270		1
MW-09MSD L65768-4	WATER	SW846 8270	SW846/3520 /8270		1
MW-11 L65835-4	WATER	SW846 8270	SW846/3520 /8270		1
MW-18S L65579-1	WATER	SW846 8270	SW846/3520 /8270		1
MW-18S DL L65579-1 DL	WATER	SW846 8270	SW846/3520 /8270		20
MW-22D L65579-2	WATER	SW846 8270	SW846/3520 /8270		1
MW-23S L65579-3	WATER	SW846 8270	SW846/3520 /8270		1
MW-23S R L65579-3 R	WATER	SW846 8270	SW846/3520 /8270		1
MW-24S L65579-4	WATER	SW846 8270	SW846/3520 /8270		1
MW-25S L65623-1	WATER	SW846 8270	SW846/3520 /8270		1
MW-26D DL L65721-1 DL	WATER	SW846 8270	SW846/3520 /8270		100

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - SEMIVOLATILE

Sample ID	Matrix	Analytical Protocol	Extraction Method	Auxiliary Clean up	Dil/Conc Factor
MW-26D L65721-1	WATER	SW846 8270	SW846/3520 /8270	NONE	10
MW-26S L65888-1	WATER	SW846 8270	SW846/3510 /8270		1
MW-26S DL L65888-1 DL	WATER	SW846 8270	SW846/3510 /8270		5
MW-27D L65721-3	WATER	SW846 8270	SW846/3520 /8270		1
MW-27D DL L65721-3 DL	WATER	SW846 8270	SW846/3520 /8270		50
MW-27S L65721-2	WATER	SW846 8270	SW846/3520 /8270		1
MW-27S DL L65721-2 DL	WATER	SW846 8270	SW846/3520 /8270		50
MW-28D L65835-1	WATER	SW846 8270	SW846/3520 /8270		1
MW-28D DL L65835-1 DL	WATER	SW846 8270	SW846/3520 /8270		50
MW-28S L65835-2	WATER	SW846 8270	SW846/3520 /8270		1
MW-28S DL L65835-2 DL	WATER	SW846 8270	SW846/3520 /8270		100
MW-DUP-3 L65721-5	WATER	SW846 8270	SW846/3520 /8270		1
MW-DUP-3 DL L65721-5 DL	WATER	SW846 8270	SW846/3520 /8270		100
PZ-02 L65835-5	WATER	SW846 8270	SW846/3520 /8270		1
PZ-1D L65623-2	WATER	SW846 8270	SW846/3520 /8270		1
PZ-1S L65623-3	WATER	SW846 8270	SW846/3520 /8270		1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

INORGANIC SAMPLE ANALYSIS SUMMARY

SAMPLE ID	MATRIX	INORGANICS REQUESTED	DATE REC'D	DATE ANALYZED
DMW-04 DL65768-8	DISSOLVED WATER	TALMETALS HG	11/15/00	ICP : 12/01/00 HG : 12/06/00
DMW-04MS DL65768-8S	DISSOLVED WATER	TALMETALS HG	11/15/00	ICP : 12/01/00 HG : 12/06/00
DMW-04MSD DL65768-8D	DISSOLVED WATER	TALMETALS HG	11/15/00	ICP : 12/01/00 HG : 12/06/00
DMW-28S DL65835-3	DISSOLVED WATER	TALMETALS HG	11/16/00	ICP : 12/01/00 HG : 12/06/00
MW-02 L65768-1	WATER	TAL METALS HG CN-	11/15/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-04 L65768-5	WATER	TAL METALS HG CN-	11/15/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-09 L65768-2	WATER	TAL METALS HG CN-	11/15/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-09MS L65768-3S	WATER	TAL METALS HG CN-	11/15/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-09MSD L65768-4D	WATER	TAL METALS HG CN-	11/15/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-11 L65835-4	WATER	TAL METALS HG CN-	11/16/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-18S L65579-1	WATER	TAL METALS HG CN-	11/10/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-22D L65579-2	WATER	TAL METALS HG CN-	11/10/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-23S L65579-3	WATER	TAL METALS HG CN-	11/10/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-24S L65579-4	WATER	TAL METALS HG CN-	11/10/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-25S L65623-1	WATER	TAL METALS HG CN-	11/10/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-26D L65721-1	WATER	TAL METALS HG CN-	11/14/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-26S L65888-1	WATER	TAL METALS HG CN-	11/17/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-27D L65721-3	WATER	TAL METALS HG CN-	11/14/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

INORGANIC SAMPLE ANALYSIS SUMMARY

SAMPLE ID	MATRIX	INORGANICS REQUESTED	DATE REC'D	DATE ANALYZED
MW-27S L65721-2	WATER	TAL METALS HG CN-	11/14/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-28D L65835-1	WATER	TAL METALS HG CN-	11/16/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-28S L65835-2	WATER	TAL METALS HG CN-	11/16/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
MW-DUP3 L65721-5	WATER	TAL METALS HG CN-	11/14/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
PZ-02 L65835-5	WATER	TAL METALS HG CN-	11/16/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
PZ-1D L65623-2	WATER	TAL METALS HG CN-	11/10/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00
PZ-1S L65623-3	WATER	TAL METALS HG CN-	11/10/00	ICP : 12/01/00 HG : 12/06/00 CN- : 11/15/00

Sample Compliance Report

SAMPLE COMPLIANCE REPORT

Sample Delivery Group	Sampling Date	ASP Protocol	Sample ID	Matrix	Compliance ¹				Noncompliance
					VOA	BNA	PCB	TAL	
L65579	11/9/00	1995	MW-18S	water	no	no	--	no	VOA - temperature, cal ³ BNA - cal ³ TAL - ser.d, ms
L65579	11/9/00	1995	MW-22D	water	no	no	--	no	VOA - temperature, cal ³ BNA - cal ³ TAL - ser.d
L65579	11/9/00	1995	MW-23S	water	no	no	--	no	VOA - temperature, cal ³ BNA - cal ³ , surr ² , is TAL - ser.d
L65579	11/9/00	1995	MW-24S	water	no	no	--	no	VOA - temperature, cal ³ BNA - cal ³ TAL - ser.d, ms
L65579	--	1995	TRIP BLANK 1	water	no	--	--	--	VOA - temperature, cal ³
L65579	11/10/00	1995	MW-25S	water	no	no	--	no	VOA - temperature, cal ³ BNA - cal ³ TAL - ser.d, ms
L65579	11/10/00	1995	PZ-1D	water	no	no	--	no	VOA - temperature, cal ³ BNA - cal ³ TAL - ser.d
L65579	11/10/00	1995	PZ-1S	water	no	no	--	no	VOA - temperature, cal ³ BNA - cal ³ TAL - ser.d
L65579	--	1995	TRIP BLANK 2	water	no	--	--	--	VOA - temperature, cal ³
L65579	11/13/00	1995	MW-26D	water	yes	no	--	no	BNA - cal ³ , is TAL - ser.d
L65579	11/13/00	1995	MW-27S	water	yes	no	--	no	BNA - cal ³ , is TAL - ser.d
L65579	11/13/00	1995	MW-27D	water	no	no	--	no	VOA - temperature, cal ³ BNA - cal ³ TAL - ser.d, ms

Sample Delivery Group	Sampling Date	ASP Protocol	Sample ID	Matrix	Compliance ¹				Noncompliance
					VOA	BNA	PCB	TAL	
L65579	11/13/00	1995	MW-DUP-3	water	--	no	--	no	BNA - cal ³ , surr ² , is TAL - ser.d
L65579	--	1995	TRIP BLANK 3	water	no	--	--	--	VOA - temperature, cal ³
L65579	11/14/00	1995	MW-02	water	yes	no	--	no	BNA - cal ³ , surr, is TAL - ser.d
L65579	11/14/00	1995	MW-09	water	yes	no	--	no	BNA - cal ³ , surr ² TAL - ser.d
L65579	11/14/00	1995	MW-04	water	yes	no	--	no	BNA - cal ³ , surr ² , is TAL - ser.d, ms, dup
L65579	11/14/00	1995	MW-DUP-4	water	yes	--	--	--	
L65579	--	1995	TRIP BLANK 4	water	no	--	--	--	VOA - temperature
L65579	11/15/00	1995	MW-28D	water	yes	no	--	no	BNA - cal ³ , surr TAL - ser.d
L65579	11/15/00	1995	MW-28S	water	yes	no	--	no	BNA - cal ³ , surr ² TAL - ser.d, ms, dup
L65579	11/15/00	1995	MW-11	water	yes	no	--	no	BNA - cal ³ TAL - ser.d, ms
L65579	11/15/00	1995	PZ-02	water	yes	no	--	no	BNA - cal ³ , surr TAL - ser.d
L65579	--	1995	TRIP BLANK 5	water	yes	--	--	--	
L65579	11/16/00	1995	MW-26S	water	yes	no	--	no	BNA - cal ³ , surr ² TAL - ser.d, ms
L65579	--	1995	TRIP BLANK 6	water	yes	--	--	--	

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
- 2 The deviation resulted in no qualification of data.
- 3 Although the deviation resulted in the qualification of data, the laboratory was method compliant.

DATA REVIEW FOR

NMPC
NORTH ALBANY

SDG# L66992

VOLATILE, SEMIVOLATILE, PCB
AND INORGANIC ANALYSES

Analyses performed by:

Galson Laboratories
East Syracuse, New York

Review performed by:

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Blasland, Bouck & Lee, Inc.
Syracuse, New York



VOLATILE ANALYSES

Introduction

Analyses were performed according to USEPA SW-846 Method 8260 as referenced in NYSDEC-ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding time for volatile analyses under NYSASP is 10 days from sample receipt. The technical holding times for unpreserved waters are 7 days from sample collection for aromatic compounds and 14 days from sample collection for non-aromatic compounds.

All samples were analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, trip, field, and rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure contamination of samples during shipment. Field and rinse blanks measure contamination of samples during field operations.

No compounds were detected in the method or trip blanks.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) limits for select compounds only and allows two outliers. A technical review of the data applies limits to all compounds with no exceptions.

The %RSD were less than 30% and the response factors were greater than 0.05 for all compounds.

4.2 Continuing Calibration

The method specifies percent drift (%D) criteria for select compounds only. A technical review applies limits to all compounds with no exceptions.

The response for two compounds in the continuing calibration standards were outside 25% difference (%D) of the initial calibration, as summarized on the attached calibration summary sheets. Since the responses were increasing and since no compounds were detected in the associated samples, no data have been qualified based on the %D.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

All surrogate recoveries were within control limits.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every experimental run.

All internal standard responses and retention times were within established limits.

7. Compound Identification

Compounds are identified on the GC/MS by using the analyte's relative retention time and ion spectra.

No target compounds were detected in the samples.

8. Matrix Spike/Matrix Spike Duplicate

Matrix spike and matrix spike duplicate data are used to assess the precision and accuracy of the analytical method.

All matrix spike and matrix spike duplicate recoveries and relative percent differences between recoveries were within control limits.

9. Matrix Spike Blank

All matrix spike blank recoveries were within control limits.

10. Field Duplicates

Results for the duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-21SR / MW-DUP-5	ND	--	--	NA

ND Not detected.

NA Analyte not detected in sample and/or duplicate. RPD not applicable.

The duplicate results are acceptable.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checksheets

Volatile Organics Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?	<u> </u>	<u> X </u>	<u> </u>
Is there a narrative or cover letter present?	<u> X </u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> </u>	<u> X </u>	<u> </u>
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u> X </u>	<u> </u>
<u>Holding Times</u>			
Have any holding times been exceeded?	<u> </u>	<u> X </u>	<u> </u>
<u>Surrogate Recovery</u>			
Are surrogate recovery forms present?	<u> X </u>	<u> </u>	<u> </u>
Are all the samples listed on the appropriate surrogate recovery form?	<u> X </u>	<u> </u>	<u> </u>
Was one or more surrogate recoveries outside of specified limits for any sample or blank?	<u> </u>	<u> X </u>	<u> </u>
If yes, were the samples reanalyzed?	<u> </u>	<u> </u>	<u> X </u>
Are there any transcription/calculation errors between the raw data and the summary form?	<u> </u>	<u> X </u>	<u> </u>
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>	<u> </u>	<u> </u>
Were matrix spikes analyzed at the required frequency?	<u> X </u>	<u> </u>	<u> </u>
How many spike recoveries were outside of QC limits?			
<u> 0 </u> out of <u> 10 </u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
<u> 0 </u> out of <u> 5 </u>			
<u>Blanks</u>			
Is a method blank summary form present?	<u> X </u>	<u> </u>	<u> </u>
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u> X </u>	<u> </u>	<u> </u>
Has a blank been analyzed at least once every twelve hours for each system used?	<u> X </u>	<u> </u>	<u> </u>
Do any method/reagent/instrument blanks have positive results?	<u> </u>	<u> X </u>	<u> </u>

Volatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
Are there trip/field/rinse blanks associated with every sample?	<u> X </u>	<u> </u>	<u> </u>
Do any trip/field/rinse blanks have positive results?	<u> </u>	<u> X </u>	<u> </u>
<u>Tuning and Mass Calibration</u>			
Are the GC/MS tuning forms present for BFB?	<u> X </u>	<u> </u>	<u> </u>
Are the bar graph spectrum and mass/charge listing provided for each BFB?	<u> X </u>	<u> </u>	<u> </u>
Has a BFB been analyzed for each twelve hours of analysis per instrument?	<u> X </u>	<u> </u>	<u> </u>
Have the ion abundance criteria been met for each instrument used?	<u> X </u>	<u> </u>	<u> </u>
<u>Target Analytes</u>			
Is an organics analysis data sheet present for each of the following:			
Samples	<u> X </u>	<u> </u>	<u> </u>
Matrix spikes	<u> X </u>	<u> </u>	<u> </u>
Blanks	<u> X </u>	<u> </u>	<u> </u>
Are the reconstructed ion chromatograms present for each of the following:			
Samples	<u> X </u>	<u> </u>	<u> </u>
Matrix spikes	<u> X </u>	<u> </u>	<u> </u>
Blanks	<u> X </u>	<u> </u>	<u> </u>
Is the chromatographic performance acceptable?	<u> X </u>	<u> </u>	<u> </u>
Are the mass spectra of the identified compounds present?	<u> </u>	<u> </u>	<u> X </u>
Are all ions present in the standard mass spectrum at a relative intensity of 10% or greater also present in the sample spectrum?	<u> </u>	<u> </u>	<u> X </u>
Do the samples and standard relative ion intensities agree within 20%?	<u> </u>	<u> </u>	<u> X </u>
<u>Tentatively Identified Compounds</u>			
Are all the TIC summary forms present?	<u> X </u>	<u> </u>	<u> </u>
Are the mass spectra for the tentatively identified compounds and their associated "best match" spectra present?	<u> </u>	<u> </u>	<u> X </u>
Are any target compounds listed as TICs?	<u> </u>	<u> </u>	<u> X </u>

Volatile Organics Data Validation Checklist - Page 3

	YES	NO	NA
Are all ions present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u> </u>	<u> </u>	<u> X </u>
Do the TIC and "best match" spectrum agree within 20%?	<u> </u>	<u> </u>	<u> X </u>
<u>Quantitation and Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	<u> </u>	<u> X </u>	<u> </u>
Are the reporting limits adjusted to reflect sample dilutions and, for soils, sample moisture?	<u> X </u>	<u> </u>	<u> </u>
<u>Standard Data</u>			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	<u> X </u>	<u> </u>	<u> </u>
<u>Initial Calibration</u>			
Are the initial calibration forms present for each instrument used?	<u> X </u>	<u> </u>	<u> </u>
Are the response factor RSDs within acceptable limits?	<u> X </u>	<u> </u>	<u> </u>
Are the average RRFs equal to or greater than minimum requirements?	<u> X </u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting the RRFs or RSDs?	<u> </u>	<u> X </u>	<u> </u>
<u>Continuing Calibration</u>			
Are the continuing calibration forms present for each day and each instrument?	<u> X </u>	<u> </u>	<u> </u>
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	<u> X </u>	<u> </u>	<u> </u>
All %D within acceptable limits?	<u> </u>	<u> X </u>	<u> </u>
Are all RF equal to or greater than minimum requirements?	<u> X </u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting of RF or %D?	<u> </u>	<u> X </u>	<u> </u>
<u>Internal Standards</u>			
Are internal standard areas of every sample and blank within the upper and lower limits for each continuing calibration?	<u> X </u>	<u> </u>	<u> </u>
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	<u> X </u>	<u> </u>	<u> </u>

Volatile Organics Data Validation Checklist - Page 4

	YES	NO	NA
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u> X </u>	<u> </u>	<u> </u>



Qualifiers:

D Diluted

D	Drifted
f	Recovery high

1	Recovery high
1	Recovery low

* Unless otherwise specified, all parameters are within acceptable limits.

Volatile Calibration Outliers

Instrument: MS C

Matrix: water

Level: low

Date/Time	12/21/00		12/22/00 1204							
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
chloromethane										
bromomethane										
vinyl chloride										
chloroethane										
methylene chloride										
acetone				60.9						
carbon disulfide										
1,1-dichloroethene										
1,1-dichloroethane										
1,2-dichloroethene (total)										
methyltertbutylether										
chloroform										
1,2-dichloroethane										
2-butanone				30.5						
1,1,1-trichloroethane										
carbon tetrachloride										
vinyl acetate										
bromodichloromethane										
1,2-dichloropropane										
cis-1,3-dichloropropane										
trichloroethene										
dibromochloromethane										
1,1,2-trichloroethane										
benzene										
trans-1,3-dichloropropane										
bromoform										
4-methyl-2-pentanone										
2-hexanone										
tetrachloroethene										
1,1,1,2-tetrachloroethane										
toluene										
chlorobenzene										
ethylbenzene										

Volatile Calibration Outliers - Page 2

Date/Time	12/21/00		12/22/00 1204							
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
styrene										
xylene (total)										
Affected Samples										

Corrected Sample Analysis Data Sheets

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21SR

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) Water

Lab Sample ID: L66992-1

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD122210

Level: (low/med) LOW

Date Received: 12/21/00

%Moisture: not dec.

Date Analyzed: 12/22/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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	5	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (Total)	5	U
1634-04-4-----	Methyltertbutylether	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
108-05-4-----	Vinyl Acetate	10	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U

FORM I CLP VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-21SR

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) Water

Lab Sample ID: L66992-1

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD122210

Level: (low/med) LOW

Date Received: 12/21/00

%Moisture: not dec.

Date Analyzed: 12/22/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-21SR

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) Water

Lab Sample ID: L66992-1

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD122210

Level: (low/med) LOW

Date Received: 12/21/00

%Moisture: not dec.

Date Analyzed: 12/22/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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
1.	No Volatiles Found			
2.				
3.				
4.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-DUP-5

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) Water

Lab Sample ID: L66992-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD122211

Level: (low/med) LOW

Date Received: 12/21/00

%Moisture: not dec.

Date Analyzed: 12/22/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(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	5	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	5	U
75-35-4-----	1,1-Dichloroethene	5	U
75-34-3-----	1,1-Dichloroethane	5	U
540-59-0-----	1,2-Dichloroethene (Total)	5	U
1634-04-4-----	Methyltertbutylether	5	U
67-66-3-----	Chloroform	5	U
107-06-2-----	1,2-Dichloroethane	5	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	5	U
56-23-5-----	Carbon Tetrachloride	5	U
108-05-4-----	Vinyl Acetate	10	U
75-27-4-----	Bromodichloromethane	5	U
78-87-5-----	1,2-Dichloropropane	5	U
10061-01-5-----	cis-1,3-Dichloropropene	5	U
79-01-6-----	Trichloroethene	5	U
124-48-1-----	Dibromochloromethane	5	U
79-00-5-----	1,1,2-Trichloroethane	5	U
71-43-2-----	Benzene	5	U
10061-02-6-----	trans-1,3-Dichloropropene	5	U
75-25-2-----	Bromoform	5	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	5	U
79-34-5-----	1,1,2,2-Tetrachloroethane	5	U
108-88-3-----	Toluene	5	U
108-90-7-----	Chlorobenzene	5	U
100-41-4-----	Ethylbenzene	5	U
100-42-5-----	Styrene	5	U

FORM I CLP VOA

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-DUP-5

Lab Code: Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) Water

Lab Sample ID: L66992-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD122211

Level: (low/med) LOW

Date Received: 12/21/00

%Moisture: not dec.

Date Analyzed: 12/22/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

1330-20-7-----Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-DUP-5

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) Water

Lab Sample ID: L66992-4

Sample wt/vol: 5 (g/mL) mL

Lab File ID: CD122211

Level: (low/med) LOW

Date Received: 12/21/00

%Moisture: not dec.

Date Analyzed: 12/22/00

GC Column: HP-624 ID: .25 (mm)

Dilution Factor: 1

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
1.	No Volatiles Found			
2.				
3.				
4.				
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6.				
7.				
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66992

Matrix: (soil/water) Water Lab Sample ID: L66992-5

Sample wt/vol: 5 (g/mL) mL Lab File ID: CD122215

Level: (low/med) LOW Date Received: 12/21/00

%Moisture: not dec. Date Analyzed: 12/22/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

CAS NO.	COMPOUND		
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	5	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	5	U
75-35-4	1,1-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (Total)	5	U
1634-04-4	Methyltertbutylether	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
108-05-4	Vinyl Acetate	10	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

TRIP BLANK

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66992

Matrix: (soil/water) Water Lab Sample ID: L66992-5

Sample wt/vol: 5 (g/mL) mL Lab File ID: CD122215

Level: (low/med) LOW Date Received: 12/21/00

%Moisture: not dec. Date Analyzed: 12/22/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

1330-20-7-----Xylene (total)	5	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

TRIP BLANK

Lab Name: GALSON LABORATORIES Contract: Blasland, B

Lab Code: Case No.: 1 SAS No.: SDG No.: L66992

Matrix: (soil/water) Water Lab Sample ID: L66992-5

Sample wt/vol: 5 (g/mL) mL Lab File ID: CD122215

Level: (low/med) LOW Date Received: 12/21/00

%Moisture: not dec. Date Analyzed: 12/22/00

GC Column: HP-624 ID: .25 (mm) Dilution Factor: 1

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
1.	No Volatiles Found			
2.				
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1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-DUP-5

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) WATER

Lab Sample ID: L66992-4

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED122719

Level: (low/med) LOW

Date Received: 12/21/00

% Moisture: decanted: (Y/N) N

Date Extracted: 12/26/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 5

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.88	5	JB
2.	Unknown	3.03	47	JB
3.	Unknown	7.01	2	JB
4.	Unknown	7.78	2	J
5. 002233-00-3	1-Propene, 3,3,3-trichloro-	7.92	3	J
6.				
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SEMIVOLATILE ANALYSES

Introduction

Analyses were performed according to EPA SW-846 Method 8270 as referenced in the NYSDEC-ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The method specified holding times for semivolatile analyses under NYSASP are 5 days from sample receipt to extraction and 40 days to analysis. The technical holding times for waters are 7 days from sample collection to extraction and 40 days to analysis.

All samples were extracted and analyzed within the specified holding times.

2. Blank Contamination

Quality assurance blanks (i.e., method, field, and rinse blanks) are prepared to identify any contamination which may have been introduced in to the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

Bis(2-ethylhexyl)phthalate was detected in the method blank. Based on the blank content, data for bis(2-ethylhexyl)phthalate has been qualified as undetected in sample MW-DUP-5. In addition to bis(2-ethylhexyl)phthalate, several non-target compounds were also detected in the blanks. When common to the blank and samples, their presence in the samples have been rejected.

3. Mass Spectrometer Tuning

Mass spectrometer performance was acceptable. The mass/charge listings for the DFTPP associated with the method blank were not included in the data package. No data have been qualified based on the missing documentation.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

The method specifies percent relative standard deviation (%RSD) limits for select compounds only and allows four outliers. A technical review of the data applies limits to all compounds with no exceptions.

The %RSD were less than 30% and the response factors were greater than 0.05 for all compounds.

4.2 Continuing Calibration

The response for several compounds in the continuing calibration standards were outside 25% difference (%D) of the initial calibration, as summarized on the attached calibration summary sheets. Since no positive data were associated with compounds with increasing response factors and since no field samples were associated with compounds with decreasing responses (designated as negative values) no data have been qualified based on the %D.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

Recoveries for two base/neutral surrogates were above control limits in method blank. Although, in accordance with method requirements, the blank and all samples associated with the blank should have been re-extracted, since all sample surrogate recoveries were within control limits no data have been qualified based on the deviations.

6. Internal Standard Performance

Internal standard performance criteria insure that the GC/MS sensitivity and response are stable during every experimental run.

The response for one or more internal standard was below established limits in the method blank and the reanalysis of the method blank. Since all sample internal standard areas and retention times were within established limits, no data have been qualified based on the deviations.

7. Compound Identification

Compounds are identified on the GC/MS by using the analyte's relative retention time and ion spectra.

All identified compounds met the specified criteria.

8. Matrix Spike/Matrix Spike Duplicate

Matrix spike, matrix spike duplicate data are used to assess the precision and accuracy of the analytical method.

All matrix spike and matrix spike duplicate recoveries and relative percent differences between recoveries were within control limits.

9. Matrix Spike Blank

All matrix spike blank recoveries were within control limits.

10. Field Duplicate

Results for duplicate samples are summarized below:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-21SR / MW-DUP-5	di-n-butylphthalate	1	1	0.0%

The duplicate results are acceptable.

11. System Performance and Overall Assessment

Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checksheets

Semivolatile Organics Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?	<u> </u>	<u> X </u>	<u> </u>
Is there a narrative or cover letter present?	<u> X </u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> </u>	<u> X </u>	<u> </u>
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u> X </u>	<u> </u>
<u>Holding Times</u>			
Have any holding times been exceeded?	<u> </u>	<u> X </u>	<u> </u>
<u>Surrogate Recovery</u>			
Are the surrogate recovery forms present?	<u> X </u>	<u> </u>	<u> </u>
Are all the samples listed on the appropriate surrogate recovery form?	<u> X </u>	<u> </u>	<u> </u>
Were two or more base-neutral or acid surrogate recoveries outside of specified limits for any sample or blank?	<u> X </u>	<u> </u>	<u> </u>
If yes, were the samples reanalyzed?	<u> X </u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors between the raw data and the summary form?	<u> </u>	<u> X </u>	<u> </u>
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>	<u> </u>	<u> </u>
Were matrix spikes analyzed at the required frequency	<u> X </u>	<u> </u>	<u> </u>
How many spike recoveries were outside of QC limits?	<u> 0 </u> out of <u> 22 </u>		
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?	<u> 0 </u> out of <u> 11 </u>		
<u>Blanks</u>			
Is the method blank summary form present?	<u> X </u>	<u> </u>	<u> </u>
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u> X </u>	<u> </u>	<u> </u>
Has a blank been analyzed for each GC/MS system used?	<u> X </u>	<u> </u>	<u> </u>
Do any method blanks have positive results?	<u> X </u>	<u> </u>	<u> </u>

Semivolatile Organics Data Validation Checklist - Page 2

	YES	NO	NA
Do any field/rinse blanks have positive results?	<u> </u>	<u> </u>	<u> X </u>
Are there field/rinse blanks associated with every sample?	<u> </u>	<u> X </u>	<u> </u>
<u>Tuning and Mass Calibration</u>			
Are the GC/MS tuning forms present for DFTPP?	<u> X </u>	<u> </u>	<u> </u>
Are the bar graph spectrum and mass/charge listing provided for each DFTPP?	<u> </u>	<u> X </u>	<u> </u>
Has a DFTPP been analyzed for each twelve hours of analysis per instrument?	<u> X </u>	<u> </u>	<u> </u>
Have the ion abundance criteria been met for each instrument used?	<u> X </u>	<u> </u>	<u> </u>
<u>Target Analytes</u>			
Is an organics analysis data sheet present for each of the following:			
Samples	<u> X </u>	<u> </u>	<u> </u>
Matrix spikes	<u> X </u>	<u> </u>	<u> </u>
Blanks	<u> X </u>	<u> </u>	<u> </u>
Are the reconstructed ion chromatograms present for each of the following:			
Samples	<u> X </u>	<u> </u>	<u> </u>
Matrix spikes	<u> X </u>	<u> </u>	<u> </u>
Blanks	<u> X </u>	<u> </u>	<u> </u>
Is the chromatographic performance acceptable?	<u> X </u>	<u> </u>	<u> </u>
Are the mass spectra of the identified compounds present?	<u> X </u>	<u> </u>	<u> </u>
Are all ions present in the standard mass spectrum at a relative intensity of 10% or greater also present in the sample spectrum?	<u> X </u>	<u> </u>	<u> </u>
Do the samples and standard relative ion intensities agree within 20%?	<u> X </u>	<u> </u>	<u> </u>
<u>Tentatively Identified Compounds</u>			
Are all the TIC summary forms present?	<u> X </u>	<u> </u>	<u> </u>
Are the mass spectra for the tentatively identified compounds and their associated "best match" spectra present?	<u> X </u>	<u> </u>	<u> </u>
Are any target compounds listed as TICs?	<u> </u>	<u> X </u>	<u> </u>

Semivolatile Organics Data Validation Checklist - Page 3

	YES	NO	NA
Are all ion present in the reference mass spectrum with a relative intensity greater than 10% also present in the sample mass spectrum?	<u>X</u>	<u> </u>	<u> </u>
Do the TIC and "best match" spectrum agree within 20%?	<u>X</u>	<u> </u>	<u> </u>
<u>Quantitation and Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	<u>X</u>	<u> </u>	<u> </u>
Are the reporting limits adjusted to reflect sample dilutions, and for soils, sample moisture?	<u>X</u>	<u> </u>	<u> </u>
<u>Standard Data</u>			
Are the quantitation reports and reconstructed ion chromatograms present for the initial and continuing calibration standards?	<u>X</u>	<u> </u>	<u> </u>
<u>Initial Calibration</u>			
Are the initial calibration forms present for each instrument used?	<u>X</u>	<u> </u>	<u> </u>
Are the response factor RSDs within acceptable limits?	<u>X</u>	<u> </u>	<u> </u>
Are the average RRF equal to or greater than minimum requirements?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation error in reporting the RRF or RSD?	<u> </u>	<u>X</u>	<u> </u>
<u>Continuing Calibration</u>			
Are the continuing calibration forms present for each day and each instrument?	<u>X</u>	<u> </u>	<u> </u>
Has a continuing calibration standard been analyzed for each twelve hours of analysis per instrument?	<u>X</u>	<u> </u>	<u> </u>
All %D within acceptable limits?	<u> </u>	<u>X</u>	<u> </u>
Are all RF equal to or greater than minimum requirements?	<u>X</u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors in reporting of RF or %D?	<u> </u>	<u>X</u>	<u> </u>
<u>Internal Standards</u>			
Are internal standard areas of every samples and blank within the upper and lower limits for each continuing calibration?	<u> </u>	<u>X</u>	<u> </u>

Semivolatile Organics Data Validation Checklist - Page 4

	YES	NO	NA
Are the retention times of the internal standards within 30 seconds of the associated calibration standard?	<u> X </u>	<u> </u>	<u> </u>
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u> X </u>	<u> </u>	<u> </u>

D

NBZ	Nitrobenzene-d5
FBP	2-Fluorobiphenyl
TPH	Terphenyl-d14
DCB	1,2-Dichlorobenzene-d4
PHL	Phenol-d6
2FP	2-Fluorophenol
TBP	2,4,6-Tribromophenol
2CP	2-Chlorophenol-d4

DCB	1,4-Dichlorobenzene-d4
NPT	Naphthalene-d8
ANT	Acenaphthene-d10
PHN	Phenanthrene-d10
CRY	Chrysene-d12
PRY	Perylene-d12

D	Diluted
↓	Recovery low
↑	Recovery high
na	not applicable



Semivolatile Calibration Outliers

Instrument: MS E

Date/Time	12/22/00		12/27/00 1443		1/2/01 1406					
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
Benzoic acid										
Phenoi										
bis(2-Chloroethyi)ether										
2-Chlorophenoi										
1,3-Dichlorobenzene										
1,4-Dichlorobenzene										
1,2-Dichlorobenzene										
Benzyl Alcohol										
2-Methylphenol										
2,2'oxybis(1-Chloropropane)										
4-Methylphenol						30.1				
N-Nitroso-di-n-propylamine						25.5				
Hexachloroethane										
Nitrobenzene										
Isophorone										
2-Nitrophenol										
2,4-Dimethylphenol						32.0				
bis(2-Chloroethoxy)methane										
2,4-Dichlorophenol										
1,2,4-Trichlorobenzene										
Naphthalene										
4-Chloroaniline										
Hexachlorobutadiene										
4-Chloro-3-methylphenol										
2-Methylnaphthalene						-36.8				
Hexachlorocyclopentadiene										
2,4,6-Trichlorophenol										
2,4,5-Trichlorophenol										
2-Chloronaphthalene										
2-Nitroaniline										
Dimethyl phthalate										
Acenaphthylene										
2,6-Dinitrotoluene										
3-Nitroaniline										
Acenaphthene										

Semivolatile Calibration Outliers - Page 2

Date/Time	12/22/00		12/27/00 1443		1/2/01 1406					
	Initial Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.		Cont. Cal.	
	RF	%RSD	RF	%D	RF	%D	RF	%D	RF	%D
2,4-Dinitrophenol						-28.4				
4-Nitrophenol										
Dibenzofuran										
2,4-Dinitrotoluene										
Diethylphthalate										
Fluorene										
4-Chlorophenyl-phenylether										
4-nitroaniline						26.4				
4,6-Dinitro-2-methylphenol										
N-Nitrosodiphenylamine										
4-Bromophenyl-phenylether										
Hexachlorobenzene										
Pentachlorophenol										
Phenanthrene										
Anthracene										
Carbazole										
Di-n-butylphthalate										
Fluoranthene										
Pyrene										
Butylbenzylphthalate										
Benzo(a)anthracene										
3,3'-Dichlorobenzidine										
Chrysene										
bis(2-ethylhexyl)phthalate										
Di-n-octylphthalate										
Benzo(b)fluoranthene										
Benzo(k)fluoranthene										
Benzo(a)pyrene										
Indeno(1,2,3-cd)pyrene				27.3						
Dibenz(a,h)anthracene										
Benzo(g,h,i)perylene				25.8						
Affected Samples:										

Corrected Sample Analysis Data Sheets

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21SR

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) WATER

Lab Sample ID: L66992-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED122716

Level: (low/med) LOW

Date Received: 12/21/00

% Moisture: decanted: (Y/N) N

Date Extracted: 12/26/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl) ether	10	U
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
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	10	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

FORM I SV-I

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21SR

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) WATER

Lab Sample ID: L66992-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED122716

Level: (low/med) LOW

Date Received: 12/21/00

% Moisture: decanted: (Y/N) N

Date Extracted: 12/26/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	1	J
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

1F
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

SAMPLE NO.

MW-21SR

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) WATER

Lab Sample ID: L66992-1

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED122716

Level: (low/med) LOW

Date Received: 12/21/00

% Moisture: decanted: (Y/N) N

Date Extracted: 12/26/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/27/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Number TICS found: 9

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	2.88	5	JB
2.	Unknown	3.03	27	JB
3.	Unknown	4.54	3	J
4. 000625-65-0	2-Pentene, 2,4-dimethyl-	5.03	2	JBA
5.	Unknown	5.31	45	J
6.	Unknown	5.89	3	J
7.	Unknown	7.00	2	JB
8.	Unknown	11.24	4	JB
9. 000050-45-3	Benzoic acid, -dichloro- (Isom	15.21	3	J
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1B
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-DUP-5

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) WATER

Lab Sample ID: L66992-4

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED122719

Level: (low/med) LOW

Date Received: 12/21/00

% Moisture: decanted: (Y/N) N

Date Extracted: 12/26/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l Q

65-85-0-----	Benzoic acid	10	U
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
100-51-6-----	Benzyl alcohol	10	U
95-48-7-----	2-Methylphenol	10	U
-----	bis(2-Chloroisopropyl)ether	10	U
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
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	10	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

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-DUP-5

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) WATER

Lab Sample ID: L66992-4

Sample wt/vol: 1000 (g/mL) mL

Lab File ID: ED122719

Level: (low/med) LOW

Date Received: 12/21/00

% Moisture: decanted: (Y/N) N

Date Extracted: 12/26/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 12/28/00

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) ug/l

Q

99-09-2-----	3-Nitroaniline	25	U
83-32-9-----	Acenaphthene	10	U
51-28-5-----	2,4-Dinitrophenol	25	U
100-02-7-----	4-Nitrophenol	25	U
132-64-9-----	Dibenzofuran	10	U
121-14-2-----	2,4-Dinitrotoluene	10	U
84-66-2-----	Diethylphthalate	10	U
86-73-7-----	Fluorene	10	U
7005-72-3-----	4-Chlorophenyl-phenylether	10	U
100-01-6-----	4-Nitroaniline	25	U
534-52-1-----	4,6-Dinitro-2-methylphenol	25	U
86-30-6-----	N-Nitrosodiphenylamine	10	U
101-55-3-----	4-Bromophenyl-phenylether	10	U
118-74-1-----	Hexachlorobenzene	10	U
87-86-5-----	Pentachlorophenol	25	U
85-01-8-----	Phenanthrene	10	U
120-12-7-----	Anthracene	10	U
86-74-8-----	Carbazole	10	U
84-74-2-----	Di-n-butylphthalate	1	J
206-44-0-----	Fluoranthene	10	U
129-00-0-----	Pyrene	10	U
85-68-7-----	Butylbenzylphthalate	10	U
56-55-3-----	Benzo(a)anthracene	10	U
91-94-1-----	3,3'-Dichlorobenzidine	20	U
218-01-9-----	Chrysene	10	U
117-81-7-----	bis(2-Ethylhexyl)phthalate	10 2	U
117-84-0-----	Di-n-octylphthalate	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
53-70-3-----	Dibenzo(a,h)anthracene	10	U
191-24-2-----	Benzo(g,h,i)perylene	10	U

PCB ANALYSES

Introduction

Analyses were performed according to USEPA SW-846 Method 8082 as referenced in NYSDEC-ASP.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission. During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

- U The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
- J The compound was positively identified; however, the associated numerical value is an estimated concentration only.
- B The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
- N The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification.
- JN The analysis indicates the presence of a compound for which there is presumptive evidence to make a tentative identification. The associated numerical value is an estimated concentration only.
- E The compound was quantitated above the calibration range.
- D Concentration is based on a diluted sample analysis.
- C Identification confirmed by GC/MS.
- UJ The compound was not detected above the reported sample quantitation limit. However, the reported limit is approximate and may or may not represent the actual limit of quantitation.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding times for PCB analyses under NYSASP are 5 days from sample receipt to extraction and 40 days to analysis. The technical holding times for waters are 7 days from sample collection to extraction and 40 days to analysis.

All samples were extracted and analyzed with the specified holding time.

2. Blank Contamination

Quality assurance blanks (i.e., method, field, or rinse blanks) are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

No Aroclors were detected in the method blank.

3. System Performance

System performance and column resolution were acceptable.

4. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument daily performance is satisfactory.

4.1 Initial Calibration

A maximum RSD of 20% is allowed. The initial calibration was within the specified limit for all Aroclors.

4.2 Continuing Calibration

A maximum %D of 15 is allowed. The %D exceeded maximum limits in both continuing calibration standards, as summarized on the attached calibration summary sheets. Since the responses were increasing and since no Aroclors were detected in the samples, no data have been qualified based on %D.

5. Surrogates / System Monitoring Compounds

All samples to be analyzed for organic compounds are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

Recovery for one surrogate was above control limits in the matrix spike. Since recovery for the remaining surrogate was within limits, no data have been qualified based on the deviations. All other surrogate recoveries were within control limits.

6. Compound Identification

The retention times of all quantitated peaks must fall within the calculated retention time windows for both the primary and confirmation columns.

All quantitated peaks fell within the appropriate retention time windows.

7. Matrix Spike/Matrix Spike Duplicate

Matrix spike data is used to assess the precision and accuracy of the analytical method independent of matrix interferences.

All matrix spike and matrix spike duplicate recoveries and relative percent differences between recoveries were within control limits.

8. Matrix Spike Blank

All matrix spike blank recoveries were within control limits.

9. Field Duplicates

Results for duplicate samples are summarized below:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-21SR / MW-DUP-5	all Aroclors	ND	ND	NA

ND Not detected.

NA Analyte not detected in sample and/or duplicate. RPD not applicable.

The duplicate results are acceptable.

10. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines listed in the analytical method.

Data Validation Checksheets

PCB Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Have any missing deliverables been received and added to the data package?	<u> </u>	<u> X </u>	<u> </u>
Is there a narrative or cover letter present?	<u> X </u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> </u>	<u> X </u>	<u> </u>
Are the sample chain-of-custodies present?	<u> X </u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u> X </u>	<u> </u>
<u>Holding Times</u>			
Have any holding times been exceeded?	<u> </u>	<u> X </u>	<u> </u>
<u>Surrogate Recovery</u>			
Are the surrogate recovery forms present?	<u> X </u>	<u> </u>	<u> </u>
Are all the samples listed on the appropriate surrogate recovery form?	<u> X </u>	<u> </u>	<u> </u>
Were recoveries of any surrogate outside of specified limits for any sample or blank?	<u> X </u>	<u> </u>	<u> </u>
If yes, were the samples reanalyzed?	<u> </u>	<u> X </u>	<u> </u>
Are there any transcription/calculation errors between the raw data and the summary form?	<u> </u>	<u> X </u>	<u> </u>
<u>Matrix Spikes</u>			
Is there a matrix spike recovery form present?	<u> X </u>	<u> </u>	<u> </u>
Were matrix spikes analyzed at the required frequency?	<u> X </u>	<u> </u>	<u> </u>
How many spike recoveries were outside of QC limits?			
<u> 0 </u> out of <u> 2 </u>			
How many RPDs for matrix spike and matrix spike duplicate were outside of QC limits?			
<u> 0 </u> out of <u> 1 </u>			
<u>Blanks</u>			
Is a method blank summary form present?	<u> X </u>	<u> </u>	<u> </u>
Has a method blank been analyzed for each set of samples or for each 20 samples, whichever is more frequent?	<u> X </u>	<u> </u>	<u> </u>
Is the chromatographic performance acceptable for each instrument?	<u> X </u>	<u> </u>	<u> </u>

PCB Data Validation Checklist - Page 2

	YES	NO	NA
Do any method/reagent/instrument blanks have positive results?	<u> </u>	<u> X </u>	<u> </u>
Do any field/rinse/equipment blanks have positive results?	<u> </u>	<u> </u>	<u> X </u>
Are there field/rinse/equipment blanks associated with every sample?	<u> </u>	<u> X </u>	<u> </u>
<u>Calibration and GC Performance</u>			
Are the following chromatograms and integration reports present?			
peak resolution check	<u> </u>	<u> X </u>	<u> </u>
Aroclor 1016/1260	<u> X </u>	<u> </u>	<u> </u>
Aroclors 1221, 1232, 1242, 1248, and 1254	<u> X </u>	<u> </u>	<u> </u>
Is a calibration summary form present and complete for each analytical sequence?	<u> X </u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors between the raw data and the forms?	<u> </u>	<u> X </u>	<u> </u>
Are the %RSD for the initial calibration within specified limits for all analytes?	<u> X </u>	<u> </u>	<u> </u>
Is the resolution between any two adjacent peaks in the resolution check mixture > 60%?	<u> </u>	<u> </u>	<u> X </u>
Have all samples been injected within a 12 hour period beginning with the injection of a calibration standard?	<u> X </u>	<u> </u>	<u> </u>
Is a continuing calibration summary form present and complete for each continuing standard analyzed?	<u> X </u>	<u> </u>	<u> </u>
Are there any transcription/calculation errors between the raw data and the form?	<u> </u>	<u> X </u>	<u> </u>
Are all the percent difference (%D) values for all continuing calibration standards within specified limits?	<u> </u>	<u> X </u>	<u> </u>
<u>Analytical Sequence</u>			
Is Form VIII present and complete for each column and each period of analyses?	<u> X </u>	<u> </u>	<u> </u>
Was the proper analytical sequence followed?	<u> X </u>	<u> </u>	<u> </u>

PCB Data Validation Checklist - Page 3

	YES	NO	NA
<u>Cleanup Efficiency Verification</u>			
Are percent recoveries of the compounds used to check the efficiency of the cleanup procedure within QC limits?	<u> X </u>	<u> </u>	<u> </u>
<u>PCB Identification</u>			
Are RT of sample compounds within the established RT windows?	<u> X </u>	<u> </u>	<u> </u>
Were all positively identified compounds confirmed on a second column?	<u> </u>	<u> </u>	<u> X </u>
Was GC/MS confirmation provided when required?	<u> </u>	<u> </u>	<u> X </u>
Were there any false negatives?	<u> </u>	<u> X </u>	<u> </u>
<u>Compound Quantitation and Reported Detection Limits</u>			
Are there any transcription/calculation errors in the Form 1 results?	<u> </u>	<u> X </u>	<u> </u>
Are the reporting limits adjusted to reflect sample dilutions and, for waters, sample moisture?	<u> X </u>	<u> </u>	<u> </u>
<u>Chromatogram Quality</u>			
Were the baselines stable?	<u> X </u>	<u> </u>	<u> </u>
Were any electronegative displacement (negative peaks) or unusual peaks detected?	<u> </u>	<u> X </u>	<u> </u>
<u>Field Duplicates</u>			
Were field duplicates submitted with the samples?	<u> X </u>	<u> </u>	<u> </u>

PCB Qualifier Summary

Holding Time and Surrogates

[illegible]

Surrogates:

TCX	Tetrachloro-m-xylene
DCB	Decachlorobiphenyl
na	Not applicable

Qualifiers:

D	Surrogate diluted out
I	Recovery high
I	Recovery low

* Unless otherwise noted, all parameters are within specified limits.

PCB Calibration Summary

Instrument: HP9A

Column: DB-1701

Date:	1/2/01- 1/3/01	1/3/01	1/4/01					
Time:		1637	0005					
	Initial Cal	Cont Cal.	Cont Cal.	Cont Cal.	Cont Cal.	Cont Cal.	Cont Cal.	Cont Cal.
	%RSD	%D	%D	%D	%D	%D	%D	%D
Aroclor 1016	ok							
Aroclor 1221	ok							
Aroclor 1232	ok							
Aroclor 1242	ok							
Aroclor 1248	ok							
Aroclor 1254	ok	ok	17.0					
Aroclor 1260	ok							
Tetrachloro-m-xylene	ok	31.2						
Decachlorobiphenyl	ok	32.9						
Affected Samples:								

Corrected Sample Analysis Data Sheets

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MW-21SR

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) WATER

Lab Sample ID: L66992-1

Sample wt/vol: 1050 (g/mL) mL

Lab File ID: HP9A\0103A008

% Moisture: decanted: (Y/N) N

Date Received: 12/21/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/26/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/03/01

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

12674-11-2-----Aroclor-1016	0.05	U
11104-28-2-----Aroclor-1221	0.05	U
11141-16-5-----Aroclor-1232	0.05	U
53469-21-9-----Aroclor-1242	0.05	U
12672-29-6-----Aroclor-1248	0.05	U
11097-69-1-----Aroclor-1254	0.05	U
11096-82-5-----Aroclor-1260	0.05	U

FORM I PEST

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

Lab Name: GALSON LABORATORIES

Contract: Blasland, B

MW-DUP-5

Lab Code:

Case No.: 1

SAS No.:

SDG No.: L66992

Matrix: (soil/water) WATER

Lab Sample ID: L66992-4

Sample wt/vol: 1050 (g/mL) mL

Lab File ID: HP9A\0103A011

% Moisture: decanted: (Y/N) N

Date Received: 12/21/00

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 12/26/00

Concentrated Extract Volume: 1000 (uL)

Date Analyzed: 01/03/01

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

Q

12674-11-2-----Aroclor-1016	0.05	U
11104-28-2-----Aroclor-1221	0.05	U
11141-16-5-----Aroclor-1232	0.05	U
53469-21-9-----Aroclor-1242	0.05	U
12672-29-6-----Aroclor-1248	0.05	U
11097-69-1-----Aroclor-1254	0.05	U
11096-82-5-----Aroclor-1260	0.05	U

FORM I PEST

INORGANIC ANALYSES

Introduction

Analyses were performed according to USEPA SW-846 methods.

The data review process is an evaluation of data on a technical basis rather than a determination of contract compliance. As such, the standards against which the data are being weighed may differ from those specified in the analytical method. It is assumed that the data package represents the best efforts of the laboratory and had already been subjected to adequate and sufficient quality review prior to submission.

During the review process, laboratory qualified and unqualified data are verified against the supporting documentation. Based on this evaluation, qualifier codes may be added, deleted, or modified by the data reviewer. Results are qualified with the following codes in accordance with National Functional Guidelines:

Concentration (C) qualifiers:

- U The analyte was analyzed for but not detected. The associated value is the analyte instrument detection limit.
- B The reported value was obtained from a reading less than the contract required detection limit (CRDL) but greater than or equal to the instrument detection limit (IDL).

Quantitation (Q) qualifiers:

- E The reported value is estimated due to the presence of interference.
- M Duplicate injection precision not met.
- N Spiked sample recovery not within control limits.
- S Reported value was determined by the method of standard additions (MSA).
- W Post-digestion spike for Furnace-AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
- * Duplicate analysis not within control limits.
- + Correlation coefficient for MSA is less than 0.995.

Validation qualifiers:

- J The analyte was positively identified; however, the associated numerical value is an estimated concentration only.
- UJ The analyte was not detected above the reported sample detection limit. However, the reported limit is approximate and may or may not represent the actual limit of detection.
- R The sample results are rejected.

Two facts should be noted by all data users. First, the "R" flag means that the associated value is unusable. In other words, due to significant QC problems, the analysis is invalid and provides no information as to whether the compound is present or not. "R" values should not appear on data tables because they cannot be relied upon, even as a last resort. The second fact to keep in mind is that no compound concentration, even if it has passed all QC tests, is guaranteed to be accurate. Strict QC serves to increase confidence in data but any value potentially contains error.

Data Assessment

1. Holding Time

The specified holding times for inorganic analyses under NYSASP protocols is as follows. All holding times are measured from validated time of sample receipt (VTSR).

Metals (other than mercury)	180 days
Mercury	26 days
Cyanide	12 days

The technical holding times for inorganic analyses is as follows. All holding times are measured from date of collection.

Metals (other than mercury)	180 days
Mercury	28 days
Cyanide	14 days

All samples were analyzed within specified holding times.

2. Blank Contamination

Quality assurance blanks, i.e., method, field, or rinse blanks, are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks (including initial and continuing calibration blanks and preparation blanks) measure laboratory contamination. Field and rinse blanks measure contamination of samples during field operations.

All calibration and preparation blanks were found to be acceptable, with no analytes detected above the CRDL.

3. Calibration

Satisfactory instrument calibration is established to insure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of acceptable performance at the beginning of an experimental sequence. The continuing calibration verifies that the instrument continuing performance is satisfactory.

3.1 Initial Calibration

The correct number and type of standards were analyzed. The correlation coefficient of the initial calibration was greater than 0.995 for all non-ICP analytes and all initial continuing calibration standard recoveries were within control limits.

3.2 Continuing Calibration

All continuing calibration verification standard recoveries were within control limits with the exception of potassium in one standard. Since no samples were associated with the non-compliant standard, the deviation has no impact on the reported data.

3.3 CRDL Standard

All CRDL standard recoveries were within control limits.

3.4 ICP Interference Control Sample

All ICS recoveries were acceptable.

4. Matrix Spike/Laboratory Duplicate

Matrix spike and laboratory duplicate data are used to assess the precision and accuracy of the analytical method.

4.1 Matrix spike

All matrix spike recoveries were within control limits.

4.2 Laboratory Duplicate

All laboratory duplicate results were within control limits.

5. Field Duplicate

Results for the duplicate samples are summarized as follows:

Sample ID/ Duplicate ID	Analyte	Sample Result	Duplicate Result	RPD
MW-21SR / MW-DUP-5	barium	138 B	137 B	<CRDL
	calcium	118000	118000	0.0%
	cobalt	2.2 B	2.0 U	<CRDL
	iron	389	385	1.0%
	magnesium	18000	18000	0.0%
	nickel	5.6 B	3.0 U	<CRDL
	potassium	2760 B	2780 B	<CRDL
	sodium	8600	8470	1.5%
	zinc	4.0 B	3.8 B	<CRDL

The duplicate results are acceptable.

6. Laboratory Control Sample (LCS)

All LCS recoveries were within control limits.

7. Serial Dilution

All required serial dilution results were acceptable.

8. Furnace QC

No furnace analyses were performed on the samples.

9. Method of Standard Additions (MSA)

No samples were analyzed following the method of standard additions.

11. System Performance and Overall Assessment

Overall system performance was acceptable. Other than for those deviations specifically mentioned in this review, the overall data quality is within the guidelines specified in the method.

Data Validation Checksheets

Inorganic Data Validation Checklist

	YES	NO	NA
<u>Data Completeness and Deliverables</u>			
Is there a narrative or cover letter present?	<u>X</u>	<u> </u>	<u> </u>
Are the sample numbers included in the narrative?	<u> </u>	<u>X</u>	<u> </u>
Are the sample chain-of-custodies present?	<u>X</u>	<u> </u>	<u> </u>
Do the chain-of-custodies indicate any problems with sample receipt or sample condition?	<u> </u>	<u>X</u>	<u> </u>
<u>Form I to IX</u>			
Are all the Form I through Form IX labeled with:			
Laboratory name?	<u>X</u>	<u> </u>	<u> </u>
Sample No.?	<u>X</u>	<u> </u>	<u> </u>
SDG No.?	<u>X</u>	<u> </u>	<u> </u>
Correct units?	<u>X</u>	<u> </u>	<u> </u>
Matrix?	<u>X</u>	<u> </u>	<u> </u>
<u>Raw Data</u>			
Is the digestion log for flame AA/ICP present?	<u>X</u>	<u> </u>	<u> </u>
Is the digestion log for furnace AA present?	<u> </u>	<u> </u>	<u>X</u>
Is the distillation log for mercury present?	<u>X</u>	<u> </u>	<u> </u>
Is the distillation log for cyanides present?	<u>X</u>	<u> </u>	<u> </u>
Are pH values listed?	<u>X</u>	<u> </u>	<u> </u>
pH for metals analyses <2 (waters)?	<u>X</u>	<u> </u>	<u> </u>
pH for cyanide analyses >12 (waters)?	<u>X</u>	<u> </u>	<u> </u>
Percent solids calculation present for soils/sediments?	<u> </u>	<u> </u>	<u>X</u>
Are preparation dates present on sample preparation logs/bench sheets?	<u>X</u>	<u> </u>	<u> </u>
Are the measurement read out records present for:			
ICP	<u>X</u>	<u> </u>	<u> </u>
Flame AA	<u> </u>	<u> </u>	<u>X</u>
Furnace AA	<u> </u>	<u> </u>	<u>X</u>
Mercury	<u>X</u>	<u> </u>	<u> </u>
Cyanides	<u>X</u>	<u> </u>	<u> </u>
Is the data legible?	<u>X</u>	<u> </u>	<u> </u>
Is the data properly labeled?	<u>X</u>	<u> </u>	<u> </u>
<u>Holding Times</u>			
Were mercury analyses performed within 28 days?	<u>X</u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 2

	YES	NO	NA
Were cyanide distillations performed within 14 days?	<u>X</u>	<u> </u>	<u> </u>
Were other metal analysis performed within 6 months?	<u>X</u>	<u> </u>	<u> </u>
<u>Form I (Final Data)</u>			
Are all forms complete?	<u>X</u>	<u> </u>	<u> </u>
Are correct units indicated on Form I's?	<u>X</u>	<u> </u>	<u> </u>
Are soil sample results for each parameter corrected for percent solids?	<u> </u>	<u> </u>	<u>X</u>
Are all "less than IDL" values properly coded with "U"?	<u>X</u>	<u> </u>	<u> </u>
Are the correct concentration qualifiers used with final data?	<u>X</u>	<u> </u>	<u> </u>
Is a physical description of samples given on Form I's?	<u>X</u>	<u> </u>	<u> </u>
<u>Calibration</u>			
Is a record of at least 2 point calibration present for ICP analysis?	<u>X</u>	<u> </u>	<u> </u>
Is a record of 5 point calibration present for Hg analysis?	<u>X</u>	<u> </u>	<u> </u>
Is a record of 4 point calibration present for:			
Flame AA?	<u> </u>	<u> </u>	<u>X</u>
Furnace AA?	<u> </u>	<u> </u>	<u>X</u>
Cyanides?	<u>X</u>	<u> </u>	<u> </u>
Is one calibration standard at the CRDL level for all AA (except Hg) and cyanides analyses?	<u>X</u>	<u> </u>	<u> </u>
Is correlation coefficient less than .995 for:			
Mercury Analysis?	<u> </u>	<u>X</u>	<u> </u>
Cyanide Analysis?	<u> </u>	<u>X</u>	<u> </u>
Atomic Absorption Analysis?	<u> </u>	<u> </u>	<u>X</u>
<u>Form II A (Initial and Continuing Calibration Verification)</u>			
Present and complete for all analytes?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration standards (initial and continuing) within control limits for:			
Metals (90-110%)?	<u> </u>	<u>X</u>	<u> </u>
Hg (80-120%)?	<u>X</u>	<u> </u>	<u> </u>
Cyanides (85-115%)?	<u>X</u>	<u> </u>	<u> </u>
Was continuing calibration performed every 10 samples or every 2 hours?	<u>X</u>	<u> </u>	<u> </u>

Inorganic Data Validation Checklist - Page 3

	YES	NO	NA
Was the ICV for cyanides distilled?	<u>X</u>	<u> </u>	<u> </u>
<u>Form II B (CRDL Standards for AA and ICP)</u>			
Was a CRDL standard (CRA) analyzed after initial calibration for all AA metals (except Hg)?	<u> </u>	<u> </u>	<u>X</u>
Was a mid-range calibration verification standard distilled and analyzed for cyanide analysis?	<u>X</u>	<u> </u>	<u> </u>
Was a 2xCRDL (or 2xIDL when IDL>CRDL) standard (CRI) analyzed for each ICP run?	<u>X</u>	<u> </u>	<u> </u>
Was CRI analyzed after the ICV/ICB and before the final CCV/CCB, and twice every eight hours for each ICP run?	<u>X</u>	<u> </u>	<u> </u>
Are CRA and CRI standards within control limits for metals (60-120%)?	<u>X</u>	<u> </u>	<u> </u>
Is mid-range standard within control limits for cyanide (80-120%)?	<u>X</u>	<u> </u>	<u> </u>
<u>Form III (Initial and Continuing Calibration Blanks)</u>			
Present and complete?	<u>X</u>	<u> </u>	<u> </u>
Was an initial calibration blank analyzed?	<u>X</u>	<u> </u>	<u> </u>
Was a continuing calibration blank analyzed after every 10 samples or every 2 hours (which ever is more frequent)?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration blanks (when IDL<CRDL) less than or equal to the Contract Required Detection Limits (CRDLs)?	<u>X</u>	<u> </u>	<u> </u>
Are all calibration blanks less than two times Instrument Detection Limit (when IDL>CRDL)?	<u> </u>	<u> </u>	<u>X</u>
<u>Form III (Preparation Blank)</u>			
Was one prep. blank analyzed for:			
each Sample Delivery Group SDG)?	<u>X</u>	<u> </u>	<u> </u>
each batch of digested samples?	<u>X</u>	<u> </u>	<u> </u>
each matrix type?	<u>X</u>	<u> </u>	<u> </u>
Is concentration of prep. blank value less than the CRDL (when IDL≤CRDL)?	<u>X</u>	<u> </u>	<u> </u>
If no, is the concentration of the sample with the least concentrated analyte less than 10 times the prep. blank?	<u> </u>	<u> </u>	<u>X</u>
Is concentration of prep. blank value less than two times IDL (when IDL>CRDL)?	<u> </u>	<u> </u>	<u>X</u>

Inorganic Data Validation Checklist - Page 4

	YES	NO	NA
Is concentration of prep. blank below the negative CRDL?	_____	<u>X</u>	_____
<u>Form IV (ICP Interference Check Sample)</u>			
Present and complete?	<u>X</u>	_____	_____
Was ICS analyzed at beginning and end of run (or at least twice every 8 hours)?	<u>X</u>	_____	_____
Are all ICS results inside the control limits ($\pm 20\%$)?	<u>X</u>	_____	_____
If no, is concentration of Al, Ca, Fe, or Mg lower than the respective concentration in ICS?	_____	_____	<u>X</u>
<u>Form V A (Spiked Sample Recovery - Pre-Digestion/Pre-Distillation)</u>			
Present and complete for:			
each SDG?	<u>X</u>	_____	_____
each matrix type?	<u>X</u>	_____	_____
Was field blank used for spiked sample?	_____	<u>X</u>	_____
Are all recoveries for analytes with sample concentrations less than four times the spike concentration within control limits (75-125)?	<u>X</u>	_____	_____
Are results outside the control limits (75-125%) flagged with "N" on Form I's and Form VA?	_____	_____	<u>X</u>
<u>Aqueous</u>			
Are any spike recoveries:			
less than 30%?	_____	<u>X</u>	_____
between 30-74%?	_____	<u>X</u>	_____
between 126-150%?	_____	<u>X</u>	_____
greater than 150%?	_____	<u>X</u>	_____
<u>Soil/Sediment</u>			
Are any spike recoveries:			
less than 10%?	_____	_____	<u>X</u>
between 10-74%?	_____	_____	<u>X</u>
between 126-200%?	_____	_____	<u>X</u>
greater than 200%?	_____	_____	<u>X</u>
<u>Form VI (Lab Duplicates)</u>			
Present and complete for:			
each SDG?	<u>X</u>	_____	_____
each matrix type?	<u>X</u>	_____	_____

Inorganic Data Validation Checklist - Page 5

	YES	NO	NA
Was field blank used for duplicate analysis?	_____	<u> X </u>	_____
Are all values within control limits (RPD 20% or difference $\leq \pm$ CRDL)?	<u> X </u>	_____	_____
If no, are all results outside the control limits flagged with an * on Form I's and VI?	_____	_____	<u> X </u>
<u>Aqueous</u>			
Is any RPD greater than 20% where sample and duplicate are both greater than or equal to 5 times CRDL?	_____	<u> X </u>	_____
Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?	_____	<u> X </u>	_____
<u>Soil/Sediment</u>			
Is any RPD (where sample and duplicate are both greater than or equal to 5 times CRDL) > 100%?	_____	_____	<u> X </u>
Is any difference between sample and duplicate (where sample and/or duplicate is less than 5xCRDL) > 2xCRDL?	_____	_____	<u> X </u>
<u>Field Duplicates</u>			
Were field duplicates analyzed?	<u> X </u>	_____	_____
<u>Aqueous</u>			
is any RPD greater than 50% where sample and duplicate are both greater than or equal to 5 times CRDL?	_____	<u> X </u>	_____
Is any difference between sample and duplicate greater than CRDL where sample and/or duplicate is less than 5 times CRDL?	_____	<u> X </u>	_____
<u>Soil/Sediment</u>			
Is any RPD (where sample and duplicate are both greater than 5 times CRDL) > 100%?	_____	_____	<u> X </u>
Is any difference between sample and duplicate (where sample and/or duplicate is less than 5x CRDL) > 2xCRDL?	_____	_____	<u> X </u>
<u>Form VII (Laboratory Control Sample)</u>			
Was one LCS prepared and analyzed for:			
each SDG?	<u> X </u>	_____	_____
each batch samples digested/distilled?	<u> X </u>	_____	_____

Inorganic Data Validation Checklist - Page 6

	YES	NO	NA
<u>Aqueous LCS</u>			
Is any LCS recovery:			
less than 50%?	_____	<u>X</u>	_____
between 50% and 79%?	_____	<u>X</u>	_____
between 121% and 150%?	_____	<u>X</u>	_____
greater than 150%?	_____	<u>X</u>	_____
<u>Solid LCS</u>			
Is LCS "Found" value higher than the control limits?	_____	_____	<u>X</u>
Is LCS "Found" lower than the control limits?	_____	_____	<u>X</u>
<u>Form IX (ICP Serial Dilution)</u>			
Was Serial Dilution analysis performed for:			
each SDG?	<u>X</u>	_____	_____
each matrix type?	<u>X</u>	_____	_____
Was field blank(s) used for Serial Dilution Analysis?	_____	<u>X</u>	_____
Are results outside control limit flagged with an "E" on Form I's and Form IX when initial concentration on Form IX is equal to 50 times IDL or greater.	_____	_____	<u>X</u>
Are any required % difference values:			
> 10%?	<u>X</u>	_____	_____
≥100%?	<u>X</u>	_____	_____
<u>Furnace Atomic Absorption (AA) QC Analysis</u>			
Are duplicate injections present in furnace raw data (except during full Method of Standard Addition) for each sample analyzed by GFAA?	_____	_____	<u>X</u>
Do the duplicate injection readings agree within 20% Relative Standard Deviation (RSD) or coefficient of Variation (CV) for concentrations greater than CRDL?	_____	_____	<u>X</u>
Were dilutions analyzed for samples with analytical spike recovery less than 40%?	_____	_____	<u>X</u>
Is analytical spike recovery outside the control limits (85-115%) for any sample?	_____	_____	<u>X</u>
<u>Form VIII (Method of Standard Addition Results)</u>			
Present?	_____	<u>X</u>	_____
If no, is any Form I result coded with "S" or "+"?	_____	<u>X</u>	_____
Was MSA required for any sample but not performed?	_____	<u>X</u>	_____

Inorganic Data Validation Checklist - Page 7

	YES	NO	NA
Is the coefficient of correlation for MSA less than 0.995 for any sample?	_____	_____	<u>X</u>
Is the coefficient of correlation for MSA less than 0.990 for any sample?	_____	_____	<u>X</u>
Was proper quantitation procedure followed?	_____	_____	<u>X</u>
<u>Dissolved/Total for Inorganic/Total Analytes</u>			
Were any analyses performed for dissolved as well as total analytes on the same sample.	_____	<u>X</u>	_____
Is the concentration of any dissolved analyte greater than its total concentration by more than 10%? (if greater than CRDL)	_____	_____	<u>X</u>
Is the concentration of any dissolved analyte greater than its total concentration by more than 50%?	_____	_____	<u>X</u>
<u>Field Blank</u>			
Is the field blank concentration less than CRDL (or 2xIDL when IDL>CRDL) for all analytes?	_____	_____	<u>X</u>
If no, was field blank value already rejected due to other QC criteria?	_____	_____	<u>X</u>
<u>Form X, XI, XII (Verification of Instrumental Parameters)</u>			
Is verification report present for :			
Instrument Detection Limits (quarterly)?	<u>X</u>	_____	_____
ICP Interelement Correlation Factors (annually)?	<u>X</u>	_____	_____
ICP Linear Ranges (quarterly)?	<u>X</u>	_____	_____
Is IDL greater than CRDL for any analyte?	_____	<u>X</u>	_____
If yes, are the concentrations of the samples analyzed on the instrument whose IDL exceeds CRDL, greater than 5xIDL.	_____	_____	<u>X</u>
Was any sample result higher than the linear range of ICP.	_____	<u>X</u>	_____
Was any sample result higher than the highest calibration standard for non-ICP parameters?	_____	<u>X</u>	_____
If yes for any of the above, was the sample diluted to obtain the result on Form I?	_____	_____	<u>X</u>
<u>Percent Solids</u>			
Are the percent solids in soil/sediment(s):			
< 50%?	_____	_____	<u>X</u>
< 10%?	_____	_____	<u>X</u>

Corrected Sample Analysis Data Sheets

NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: Galson Laboratories

Contract: BBL

MW-21SR

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L66992

Matrix (soil/water): Water

Lab Sample ID: L66992-1

Level (low/med): LOW

Date Received: 12/21/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	78.0	U		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	138	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	118000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.2	B		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	389			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	18000			P
7439-96-5	Manganese	2530			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	5.6	B		P
7440-09-7	Potassium	2760	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	8600			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	4.0	B		P
57-12-5	Cyanide	10.0	U		C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

FORM I - IN

10/95

NYSDEC ASP

1
INORGANIC ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-DUP-5

Lab Name: Galson Laboratories

Contract: BBL

Lab Code: 11626

Case No.:

SAS No.:

SDG No.: L66992

Matrix (soil/water): Water

Lab Sample ID: L66992-4

Level (low/med): LOW

Date Received: 12/21/00

% Solids:

Concentration Units (ug/L or mg/kg dry weight): ug/l

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	78.0	U		P
7440-36-0	Antimony	5.0	U		P
7440-38-2	Arsenic	4.0	U		P
7440-39-3	Barium	137	B		P
7440-41-7	Beryllium	1.0	U		P
7440-43-9	Cadmium	2.0	U		P
7440-70-2	Calcium	118000			P
7440-47-3	Chromium	3.0	U		P
7440-48-4	Cobalt	2.0	U		P
7440-50-8	Copper	3.0	U		P
7439-89-6	Iron	385			P
7439-92-1	Lead	2.0	U		P
7439-95-4	Magnesium	18000			P
7439-96-5	Manganese	2510			P
7439-97-6	Mercury	0.10	U		AV
7440-02-0	Nickel	3.0	U		P
7440-09-7	Potassium	2780	B		P
7782-49-2	Selenium	4.0	U		P
7440-22-4	Silver	2.0	U		P
7440-23-5	Sodium	8470			P
7440-28-0	Thallium	6.0	U		P
7440-62-2	Vanadium	2.0	U		P
7440-66-6	Zinc	3.8	B		P
57-12-5	Cyanide	10.0	U		C

Color Before: colorless

Clarity Before: clear

Texture:

Color After: colorless

Clarity After: clear

Artifacts:

Comments:

FORM I - IN

10/95

Laboratory Narrative



6601 Kirkville Road
E. Syracuse, NY 13057-0369
Phone: (315) 432-5227
Fax: (315) 437-0571
www.galsonlabs.com

Mr. Mike Jones
Blasland, Bouck & Lee
6723 Towpath Road, Box 66
Syracuse, NY 13214

RE: NMPC North Albany Project No. 366.08
SDG L66992

The following package contains the analytical results of the water samples submitted to our laboratory on December 21, 2000. The samples were received intact and under proper chain of custody. The temperature of the samples was checked upon receipt. The sample temperature, as recorded with a temperature gun, was 3.3°C. The samples were assigned to login and sample delivery group (SDG) L66992.

The samples are reported according to ASP Category B guidelines. Sample MW-21SR was submitted for matrix spike and spike duplicate analyses. The samples were analyzed by SW846 methods 8260, 8270, 8082, 6010/7000 and 9010.

Unless otherwise requested, the laboratory copy of this data package will be disposed of two years from the date of this package.

I certify that this package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the *package review checklists*. Release of the data contained in this hardcopy data package has been authorized by the laboratory manager or manager's designee, as verified by the following signature.

Galson Laboratories

Date: January 18, 2001



GC/MS VOLATILES PACKAGE REVIEW CHECKLIST

Client: BBL Project: N. Albany SDG: L66992

	<u>YES</u>	<u>NO</u>	<u>NA</u>
DEC FORMS: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
Hold Times Met	<u>✓</u>	<u>—</u>	<u>—</u>

Comments: _____

FORM 1A: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
FORM 1E: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
Raw Data Present for All Samples	<u>✓</u>	<u>—</u>	<u>—</u>

Comments: _____

FORM 2A/B: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
Surrogate Recoveries in Limits	<u>✓</u>	<u>—</u>	<u>—</u>
If No, sample(s) reanalyzed	<u>—</u>	<u>—</u>	<u>✓</u>

Comments: _____

FORM 3A/B: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
Spike Recoveries in Limits	<u>✓</u>	<u>—</u>	<u>—</u>

Comments: _____

FORM 4A: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
FORM 5A: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
MDLs: Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>

GC/MS VOLATILES PACKAGE REVIEW CHECKLIST

Client: BBL Project: N. Albany SDG: 466192

	YES	NO	NA
FORM 6A: Present and Complete Calibration(s) Pass	<u>✓</u>	<u>—</u>	<u>—</u>

Comments: _____

FORM 7A: Present and Complete Calibration(s) Pass	<u>✓</u>	<u>—</u>	<u>—</u>

Comments: _____

FORM 8A: Present and Complete Internal Std Areas in Limits	<u>✓</u>	<u>—</u>	<u>—</u>
If Not, Sample(s) Reanalyzed	<u>—</u>	<u>—</u>	<u>✓</u>

Comments: _____

FORM 1A - Method Blanks, MS/MSD/MSB:			
Present and Complete	<u>✓</u>	<u>—</u>	<u>—</u>
Raw Data Present	<u>✓</u>	<u>—</u>	<u>—</u>
Method Blanks <MDL	<u>✓</u>	<u>—</u>	<u>—</u>
If not, Associated Data Flagged " B"	<u>—</u>	<u>—</u>	<u>✓</u>

Comments: _____

INTERNAL CHAIN OF CUSTODY: Present	<u>✓</u>	<u>—</u>	<u>—</u>
PERCENT MOISTURE SHEET: Present	<u>—</u>	<u>—</u>	<u>✓</u>

SECTION SUPERVISOR: J. Sikur DATE: 12/27/00

QC REVIEWER: Lynne G. Ullmann DATE: 1/18/01

GC/MS Semivolatile Package Review Checklist

Client: BEL Project: MMO/N. ALBANY SDG: LB6992

		YES	NO	NA
DEC Forms	present and complete	☒	☐	☐
	hold times met	☒	☐	☐
comments : _____				

Internal Chain-of-Custody	present and complete	☒	☐	☐
Form 2C/2D	present and complete	☒	☐	☐
	surrogate recoveries within limits	☐	☒	☐
	sample(s) reanalyzed	☒	☐	☐
comments : <u>2 surrogates in the method blank failed high.</u>				
<u>Reanalyzed the blank with similar results.</u>				

Form 3C/3D	present and complete	☒	☐	☐
	spike recoveries within limits	☒	☐	☐
comments : _____				

Form 4B	present and complete	☒	☐	☐
Form 5B	present and complete	☒	☐	☐
IDLs	present and complete	☒	☐	☐
Sample Form 1B/1C/1F	present and complete	☒	☐	☐
	raw data present for all samples	☒	☐	☐
comments : _____				

Form 6B/6C	present and complete	☒	☐	☐
	calibration(s) pass	☒	☐	☐
comments : _____				

GC/MS Semivolatile Package Review Checklist

Client: BBL Project: NIMON ALBANY SDG: LG6992

		YES	NO	NA
Form 7B/7C	present and complete calibration(s) pass*	<u>✓</u>	<u>—</u>	<u>—</u>
comments: <u>One compound in the daily standard analyzed on 12/01 failed low (%D=22.2). The affected sample was only the reanalysis of blank only.</u>				
Form 8B/8C	present and complete internal standard areas within limits	<u>✓</u>	<u>—</u>	<u>—</u>
	sample(s) reanalyzed	<u>✓</u>	<u>—</u>	<u>—</u>
comments: <u>2 internal standards in the method blank exceeded criteria. Reanalyzed with similar results.</u>				
QC Form 1B/1C/1F	present and complete raw data present for all samples	<u>✓</u>	<u>—</u>	<u>—</u>
	method blank results <MDL	<u>✓</u>	<u>—</u>	<u>—</u>
	associated results flagged "B"	<u>✓</u>	<u>—</u>	<u>—</u>
comments: <u>65 µg/L of bis(2-Ethylhexyl)phthalate was detected in the prep. blank. This compound was not detected above PQL (10 µg/L) in the associated samples.</u>				
Calculation Sheet	present	<u>✓</u>	<u>—</u>	<u>—</u>
Instrument Logs	present and complete	<u>✓</u>	<u>—</u>	<u>—</u>
Extraction Logs	present and complete	<u>✓</u>	<u>—</u>	<u>—</u>
Moisture Sheet	present and complete	<u>—</u>	<u>—</u>	<u>✓</u>

additional comments: _____

Section Supervisor: Dommen V. Kappil Date: 1/17/01

QC Reviewer: Lyndell M. Mott Date: 1/18/01

Method 8082 PCB Package Review Checklist

Client BBL Project Nimble/N. Albany SDG L66992

		<u>Yes</u>	<u>No</u>	<u>NA</u>
DEC Forms:	Present and complete	<u>✓</u>	<u> </u>	<u> </u>
	Holding times met	<u>✓</u>	<u> </u>	<u> </u>

Comments: _____

Internal Chain of Custody:	Present	<u>✓</u>	<u> </u>	<u> </u>
Form 1D:	Present and complete	<u>✓</u>	<u> </u>	<u> </u>
	Raw Data present for all samples	<u>✓</u>	<u> </u>	<u> </u>
	Non-detects lined-out and initialed	<u>✓</u>	<u> </u>	<u> </u>

Comments: _____

Form 2E:	Present and complete	<u>✓</u>	<u> </u>	<u> </u>
	Surrogate Recoveries within limits	<u>✓</u>	<u> </u>	<u> </u>

Comments: _____

Form 3E:	Present and complete	<u>✓</u>	<u> </u>	<u> </u>
	Spike Recoveries within limits	<u>✓</u>	<u> </u>	<u> </u>

Comments: _____

Method 8082 PCB Package Review Checklist

Client BBL Project Nimo/N. Albany SDG 166992

		<u>Yes</u>	<u>No</u>	<u>NA</u>
Form 4C:	Present and complete	✓		
IDLs:	Present and complete	✓		
GC Parameters:	Present and complete	✓		
Form 6E:	Present and complete	✓		
	% RSD within limits (< 20 %)	✓		

Comments: _____

Form 7:	Present and complete	<u>✓</u>	_____	_____
	% D within limits ($\pm 15\%$)	<u>✓</u>	_____	_____

Comments: Surrogates %D at 36.2 and 32.9%.

Form 8:	Present and complete	$\frac{\checkmark}{\checkmark}$	_____	_____
	% D within limits	$\frac{\checkmark}{\checkmark}$	_____	_____
Form 9:	Present and complete	$\frac{\checkmark}{\checkmark}$	_____	_____
	% D within limits (+ 15%)	$\frac{\checkmark}{\checkmark}$	$\frac{\checkmark}{\checkmark}$	_____

Comments: DE1254 LW3 analyzed 1/4/07 @ 00:05 2-D failed
high (77.7%). No PCB detected in the associated sample

Calibration Data: Present and complete ✓

Method 8082 PCB Package Review Checklist

Client BBL Project Nimo/N. Albany SDG Lele 992

Yes No NA

Form 1D, Method Blanks, MS/MSD, MSB:

Present and complete

Raw Data present

Non-detects lined-out and initialed

Method Blank(s) results < MDL

If no, associated results flagged "B"

Comment: _____

Calculation Formula:

Present

Extraction Logs:

Present

GPC/Calibration Logs:

Present

% Moisture Calculation:

Present

Calibration and Spike Standards Log:

Present

Section Supervisor: _____ Date: _____

QC Reviewer: [Signature] Date: 11/18/0

INORGANIC PACKAGE REVIEW CHECKLIST

CLIENT BBZ PROJECT NIMO-NAUBANY SDG L66992

	YES	NO	NA
DEC FORMS: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
HOLD TIMES MET	<u>✓</u>	<u>—</u>	<u>—</u>

COMMENTS: _____

COVER PAGE: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
METALS CHAIN OF CUSTODY PRESENT	<u>✓</u>	<u>—</u>	<u>—</u>

FORM 1: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>

COMMENTS: _____

FORM 2: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
ICV/CCV RECOVERIES WITHIN LIMITS	<u>✓</u>	<u>x</u>	<u>—</u>

COMMENTS: *CCV6 slightly high recovery. Associated with ICSA & ICSAB. Sample data not affected.

FORM 2B: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
RECOVERIES WITHIN 80-120%	<u>—</u>	<u>✓</u>	<u>—</u>

Not required for Al, Ba, Ca, Fe, Mg, Na, K

COMMENTS: ASP has not established limits.

FORM 3: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
ICB/CCBs LESS THAN CRDL	<u>✓</u>	<u>—</u>	<u>—</u>

ALL PBs PRESENT AND <CRDL	<u>✓</u>	<u>—</u>	<u>—</u>

COMMENTS: _____

FORM 4: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
RECOVERIES WITHIN 80-120%	<u>✓</u>	<u>—</u>	<u>—</u>

Not required for Ca, Mg, K and Na

COMMENTS: _____

FORM 5: PRESENT AND COMPLETE	<u>✓</u>	<u>—</u>	<u>—</u>
IF SR<4XSA, RECOVERIES WITHIN 75-125%	<u>✓</u>	<u>—</u>	<u>—</u>

Not required for Ca, Mg, K and Na for all matrices, and Al, Fe for soils.

IF NO, POST SPIKES PERFORMED	<u>—</u>	<u>—</u>	<u>✓</u>

ASSOCIATED RESULTS FLAGGED "N"	<u>—</u>	<u>—</u>	<u>✓</u>

COMMENTS: _____

INORGANIC PACKAGE REVIEW CHECKLIST

CLIENT BBZ PROJECT NIMO-N. ALBANY SDG LL6992

	YES	NO	NA
FORM 6: PRESENT AND COMPLETE	☒	☐	☐
IF CRDL < SR < 5XCRDL, SR-DR < CRDL	☒	☐	☐
IF SR > 5XCRDL, RPD < 20%	☒	☐	☐
IF NO, ASSOCIATED RESULTS FLAGGED "*"	☐	☐	☒

COMMENTS: _____

FORM 7: PRESENT AND COMPLETE	☒	☐	☐
RECOVERIES WITHIN 80-120% FOR WATER	☒	☐	☐
RECOVERIES WITHIN LIMITS FOR SOILS	☐	☐	☒

COMMENTS: _____

FORM 9: PRESENT AND COMPLETE	☒	☐	☐
IF SR > 50X IDL; %D < 10%	☒	☐	☐
IF NO, ASSOCIATED RESULTS FLAGGED "E"	☐	☐	☒

COMMENTS: _____

FORM 10: PRESENT AND COMPLETE	☒	☐	☐
FORM 11: PRESENT AND COMPLETE	☒	☐	☐
FORM 12: PRESENT AND COMPLETE	☒	☐	☐
FORM 13: PRESENT AND COMPLETE	☒	☐	☐

COMMENTS: _____

FORM 14: PRESENT AND COMPLETE	☒	☐	☐

COMMENTS: _____

RAW DATA: PRESENT FOR ALL SAMPLES	☒	☐	☐
CALIBRATION STANDARDS LOG: PRESENT	☒	☐	☐
PERCENT MOISTURE CALCULATION: PRESENT	☐	☐	☒

SECTION SUPERVISOR: [Signature] DATE: 1/12/01

QC REVIEWER: [Signature] DATE: 1/17/01

NYSDEC Sample Preparation and Analysis Summary Sheets

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

LOGIN : L66992

SDG : L66992 MATRIX : Water

11

Client Sample Code	Laboratory Sample Code	If CLP, Indicate year of protocol 1995														
		VOA	MS BNA	Pest/ PCB'S	Organophos Pesticides	Chlor Herb.	T. Dithio- Carbamates Pest.	Methyl- Carbamates	Organics List #	ETU	Karb.	CN- Total	CN- Amen.	Metals List #	Diss. Metals List #	Wet Chem. List #
MW-21SR	L66992-1	X	X	X							X		1			
MW-21SRMS	L66992-2	X	X	X							X		1			
MW-21SRMSD	L66992-3	X	X	X							X		1			
MW-DUP-5	L66992-4	X	X	X							X		1			
TRIP BLANK	L66992-5	X														
MSB	L66992-6	X	X	X							X		1			

METALS LIST 1 : HG, AG, AL, AS, BA, BE, CA, CD, CO, CR, CU, FE, K, MG, MN, NA, NI, PB, SB, SE, TL, V, ZN

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - VOLATILE

[illegible]

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - VOLATILE

[illegible]

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - SEMIVOLATILE

[illegible]

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - Pesticide

[illegible]

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
SAMPLE PREPARATION AND ANALYSIS SUMMARY - Pesticide

[illegible]

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

INORGANIC SAMPLE ANALYSIS SUMMARY

SAMPLE ID	MATRIX	INORGANICS REOUESTED	DATE REC'D	DATE ANALYZED
MW-21SR L66992-1	WATER	TAL HG CN-	12/21/00	ICP : 1/08/01 HG : 1/04/01 CN-:12/26/00
MW-21SRMS L66992-2S	WATER	TAL HG CN-	12/21/00	ICP : 1/08/01 HG : 1/04/01 CN-:12/26/00
MW-21SRMSD L66992-3D	WATER	TAL HG CN-	12/21/00	ICP : 1/08/01 HG : 1/04/01 CN-:12/26/00
MW-DUP-5 L66992-4	WATER	TAL HG CN-	12/21/00	ICP : 1/08/01 HG : 1/04/01 CN-:12/26/00

Sample Compliance Report

SAMPLE COMPLIANCE REPORT

[illegible]

- 1 Samples which are compliant with no added validation qualifiers are listed as "yes". Samples which are non-compliant or which have added
qualifiers are listed as "no". A "no" designation does not necessarily indicate that the data have been rejected or are otherwise unusable.
2 The deviation resulted in no qualification of data.
3 Although the deviation resulted in the qualification of data, the laboratory was method compliant.