APPENDIX E
2019/2020 DATA USABILITY SUMMARY REPORTS

LPZ-03S, LPZ-04S & LPZ-05S

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd. #932054
Eurofins SDG#480-161309-1
November 25, 2019
Sampling date: 10/22/2019

Prepared by:
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for The LiRo Group, project located at Nash Rd. #932054, Eurofins #480-161309-1 submitted to Vali-Data of WNY, LLC on November 20, 2019. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 1,4-Dichloroethane-d_4 was outside ASP QC limits, high in all of the samples. Associated target analytes detected in the samples should be qualified as estimated high.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of t-Butyl alcohol was outside QC limits, high in LCS 480-500607/5. This target analyte should be qualified as estimated high in associated samples in which it was detected.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of t-Butyl alcohol was outside ASP QC outer limits in CCVIS 480-500607/3. This target analyte should be qualified as estimated in associated samples, blanks and spikes.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Carbazole was outside QC limits high in LCS/SD 480-499777/2-A,3-A. This target analyte should be qualified as estimated high in the associated samples in which it was detected.
The %Rec of Atrazine was outside QC limits in LCS 480-499777/2-A but was within limits in LCSD 480-499777/3-A, so no further action is required.

MS/MSD
No MS/MSD were acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Pentachlorophenol was outside QC limits in CCVIS 480-499997/3. ASP allows for up to four target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision

- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX was outside QC limits high in MB 480-500612/1-A and LCS 480-500612/2-A off column RTX-CLPI. This surrogate should be qualified as estimated in MB 480-500612/1-A and LCS 480-500612/2-A off column RTX-CLPI.

METHOD BLANK
All the criteria were met except delta-BHC and Endrin Ketone were detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-500612/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

Alpha-BHC, Endrin aldehyde and Heptachlor were detected above the reporting limit in ME 480-500612/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as undetected in associated samples in which they were detected above the reporting limit but below the blank concentration. These target analytes should be

qualified as estimated high in associated samples in which they were detected above the blank concentration.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except beta-BHC was detected in LPZ-03S-DUP but was not detected in LPZ-03S. Trans-Chlordane was detected in LPZ-03S but was not detected in LPZ-03S-DUP.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 4,4'-DDT, alpha-BHC, Endosulfan II and Endrin aldehyde was outside ASP QC limits, high in LCS 480-500612/2-A. These target analytes should be qualified as estimated high in the associated samples in which they were detected.
The RPD of gamma-BHC, cis-Chlordane, Endosulfan I, Dieldrin, 4,4'-DDD, 4,4'-DDT and Endosulfan II was outside QC limits between the columns in LCS 480-500612/2-A and should be qualified as estimated.

MS/MSD
No MS/MSD were performed.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDD in LPZ-03S and trans-Chlordane and 4,4'-DDT in LPZ-05S were outside QC limits and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met. Alternate forms of regression were used with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Dieldrin was outside QC limits off column RTX-CLPI in CCVIS 480-500835/6. This target analyte should be qualified as estimated off the associated column in the associated sample, blank and spikes.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD

- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP was outside ASP QC limits, low off both columns in LCS 480-499779/2-A and should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD were performed.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on many target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of TCMX was outside QC limits off both columns in CCVIS 480-500010/5. The %D of Aroclor 1262 peaks 1-5 were outside QC limits off column ZB-35 in CCV 480-500010/7. This target analyte and surrogate should be qualified as estimated in the associated sample, blank and spikes off the associated columns.
Several target analytes had peaks that were outside QC limits, but ASP requires a minimum of three conforming peaks, so no further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Zn was detected in MB 480-499723/1-A above the MDL, below the reporting limit and are qualified as estimated. Associated samples in which this target analyte was detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which this target analyte was detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
No MS/MSD were performed.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
No Serial Dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except Ba, Pb and Zn were detected outside QC limits, high, in ICVL 480-500410/7. As was detected outside QC limits, high, in CCVL 480-500410/17, 41. Ba was detected outside QC limits, high, in CCVL 480-500410/29. Associated samples, blanks and spikes in which these target analytes were detected above the MDL should be qualified as estimated high.
The %Rec of As and Cu was outside QC limits, low in ICVL 480-500410/7. The %Rec of Cu, Se and Na was outside QC limits, low in CCVL 480-500410/17. The %Rec of Se was outside QC limits, low in CCVL 480-500410/29. The %Rec of Ag and K was outside QC limits, low in CCVL 480-500410/41. These target analytes should be qualified as estimated in the associated sample, blanks and spikes.

LDP-01, LPZ-01S, LPZ-06S, OW-14B & OW-21

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
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Nash Rd. #932054
Eurofins SDG#480-161451-1
Reissued January 9, 2020
December 5, 2019
Sampling date: 10/23/2019

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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(reissued January 9, 2020) for The LiRo Group, project located at Nash Rd. #932054, Eurofins #480-161451-1 submitted to Vali-Data of WNY, LLC on November 25, 2019. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Dichlorodifluoromethane was outside QC limits, high in LCS 480-500989/5. This target analyte should be qualified as estimated high in associated samples in which it was detected.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of 4,6-Dinitro-2-methylphenol, 4-Bromophenyl phenyl ether, Butyl benzyl phthalate, Fluoranthene, Hexachlorobenzene, N-Nitrosodiphenylamine and Phenanthrene was outside QC limits between LCS 480-500296/2-A and LCSD 480-500296/3-A. These target analytes should be qualified as estimated in the associated samples.

MS/MSD
No MS/MSD were acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the RRF of Bis(2-chloroethoxy)methane was outside QC limits in CCVIS 480-500721/3. ASP allows for up to four target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples

- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX was outside QC limits high in MB 480-500612/1-A and LCS 480-500612/2-A off column RTX-CLPI. This surrogate should be qualified as estimated in MB 480-500612/1-A and LCS 480-500612/2-A off column RTX-CLPI.

METHOD BLANK
All the criteria were met except delta-BHC and Endrin Ketone were detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-500612/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

Alpha-BHC, Endrin aldehyde and Heptachlor were detected above the reporting limit in MB 480-500612/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as undetected in associated samples in which they were detected above the reporting limit but below the blank concentration. These target analytes should be qualified as estimated high in associated samples in which they were detected above the blank concentration.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 4,4'-DDT, alpha-BHC, Endosulfan II and Endrin aldehyde was outside ASP QC limits, high in LCS 480-500612/2-A. These target analytes should be qualified as estimated high in the associated samples in which they were detected.
The RPD of gamma-BHC, cis-Chlordane, Endosulfan I, Dieldrin, 4,4'-DDD, 4,4'-DDT and Endosulfan II was outside QC limits between the columns in LCS 480-500612/2-A and should be qualified as estimated.

MS/MSD
No MS/MSD were performed.

COMPOUND QUANTITATION
All criteria were met except the RPD of Aldrin, Endrin Aldehyde, Endrin Ketone and 4,4'-DDD in LPZ-06S and 4,4'-DDD in LPZ-01S were outside QC limits and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Dieldrin was outside QC limits off column RTX-CLPI in CCVIS 480-500835/6. This target analyte should be qualified as estimated off the associated column in the associated sample, blank and spikes.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration

- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP was outside ASP QC limits, low off column ZB-35 in LCS 480-500759/2-A and should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD were performed.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on many target analytes, with acceptable

results.

CONTINUING CALIBRATION
All criteria were met except the %D of TCMX was outside QC limits off column ZB-5 in CCVIS 480-500976/5. The %D of DCBP was outside QC limits off column ZB-35 in CCVIS 480-500976/5. The %D of Aroclor 1221 peaks 1-4 were outside QC limits off column ZB-35 in CCV 480-500976/6. The %D of Aroclors 1221 and 1242 peaks 1, 2, 4, 5 were outside QC limits off column ZB-35 in CCV 480-500976/7, 8, respectively. These target analytes and surrogates should be qualified as estimated in the associated sample, blank and spikes off the associated columns.
Several target analytes had peaks that were outside QC limits, but ASP requires a minimum of three conforming peaks, so no further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Mn and Zn were detected in MB 480-500040/1-A above the MDL, below the reporting limit and are qualified as estimated. Zn was detected in CCB 480-500629/18 above the MDL, below the reporting limit and are qualified as estimated. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.
Fe was detected above the reporting limit in MB 480-500040/1-A. This target analyte should be qualified as undetected at the reporting limit in associated samples in which it was detected below the reporting limit. This target analyte should be qualified as undetected in associated samples in which it was detected above the reporting limit but below the blank concentration. This target analyte should be qualified as estimated high in associated samples in which it was detected above the blank concentration.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
No MS/MSD were performed.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
No Serial Dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

LDP-03, LPZ-08S, LPZ-11S, OW-16, OW-21, OW-35 & OW-36

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd. #932054
Eurofins SDG#480-161562-1
December 7, 2019
Sampling date: 10/24/2019

Prepared by:
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West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for The LiRo Group, project located at Nash Rd. #932054, Eurofins #480-161562-1 submitted to Vali-Data of WNY, LLC on December 2, 2019. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

Samples; OW-35 and OW-36 were diluted due to high target analyte concentrations.
Samples; OW-16, LPZ-08S and LPZ-08sMS/MSD were diluted due to foaming.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Bromomethane was outside QC limits in CCVIS 480-502045/4. ASP allows for up to two target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2-Fluorobiphenyl was outside QC limits in OW-35. Associated target analytes detected in this sample should be qualified as estimated high.
The %Rec of 2,4,6-Tribromophenol was outside laboratory QC limits in OW-35 but within ASP limits, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except 4-Chloro-3-methylphenol was detected in LPZ-11S DUP but was not detected in LPZ-11S.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Atrazine, Benzo(a)anthracene and Pyrene was outside QC limits, high in LCS 480-500739/2-A. These target analytes should be qualified as estimated high in the associated samples, if detected.

MS/MSD
All criteria were met except the %Rec of 2,4,6-Trichlorophenol was outside QC limits, high in LPZ-08SMS/MSD. The %Rec of 4-Chloro-3-methylphenol, 4-Nitrophenol, 2,4-Dinitrophenol and Pentachlorophenol was outside ASP QC limits, high in LPZ-08SMS/MSD. These target analytes should be qualified as estimated high in LPZ-08S and LPZ-08SMS/MSD, if detected.
Due to the matrix spike being double spiked, several target analytes exceeded the calibration curve in LPZ-08SMS and the RPD of all target analytes was outside QC limits between LPZ-08SMS and LPZ-08SMSD. These noncompliance's have been qualified, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
Several target analytes were outside laboratory QC limits, but within ASP QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples, MS/MSD, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of cis-Chlordane was outside QC limits between the columns in LCS 480-501021/2-A and LCSD 480-501294/3-A. The RPD of cis-Chlordane and trans-Chlordane was outside QC limits between the columns in LCSD 480-501021/3-A and LCS 480-501294/2-A. These target analytes should be qualified as estimated in the corresponding laboratory control samples.

MS/MSD
All criteria were met except the RPD of cis-Chlordane was outside QC limits between the columns in LPZ-08SMS. The RPD of cis-Chlordane and trans-Chlordane was outside QC limits between the columns in LPZ-08SMSD. These target analytes should be qualified as estimated in the corresponding matrix spike/matrix spike duplicate.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDT was outside QC limits between the columns in OW-21 and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Endrin Aldehyde, Methoxychlor, Endrin Ketone and DCBP was outside QC limits off column RTX-CLPII in CCVIS 480-501096/30. These target analytes and surrogate should be qualified as estimated off the associated column in the associated sample, blanks and spikes.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD

- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP was outside ASP QC limits, low off column ZB-5 in OW-16 and should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on many target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1262 peaks 1-5 were outside QC limits off column ZB-35 in CCV 480-501969/7. The %D of Aroclor 1268 peaks 1, 2, 5 were outside QC limits off column ZB-35 in CCV 480-501969/8. These target analytes should be qualified as estimated in the associated sample, blank and spikes off the associated columns.
Several target analytes had peaks that were outside QC limits, but ASP requires a minimum of three conforming peaks, so no further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Zn was detected in MB 480-500309/1-A above the MDL, below the reporting limit and are qualified as estimated. Associated samples in which this target analyte was detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which this target analyte was detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

FIELD DUPLICATE
All criteria were met except Cd was detected in LPZ-11S DUP but was not detected in LPZ-11S.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Ba and Cd was outside QC limits, high in ICVL 480-503018/7. The %Rec of As, Mn and Cd was outside QC limits, high in CCVL 480-503018/17. The %Rec of Sb and Cd was outside QC limits, high in CCVL 480-503018/25. The %Rec of Sb, Be, Fe, Ba and Zn was outside QC limits, high in ICVL 480-500626/7. The %Rec of Al and As was outside QC limits, high in CCVL 480-500626/19. The %Rec of As was outside QC limits, high in CCVL 480-500626/24. The %Rec of Zn was outside QC limits, high in CCVL 480-500626/48. These target analytes should be qualified as estimated high in the associated blanks, spikes and samples in which they were detected.
The %Rec of As, Co, Fe, Se and Tl was outside QC limits, low in ICVL 480-503018/7. The %Rec of Fe was outside QC limits, low in CCVL 480-503018/17. The %Rec of Tl was outside QC limits, low in CCVL 480-503018/25. The %Rec of Se was outside QC limits, low in ICVL 480-500626/7. The %Rec of Ag was outside QC limits, low in CCVL 480-500626/24. The %Rec of K was outside QC limits, low in CCVL 480-500626/36. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

LPZ-12S, OW-14BR, OW-16 & OW-37

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd. #932054
Eurofins SDG#480-161695-1
December 16, 2019
Sampling date: 10/25/2019

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for The LiRo Group, project located at Nash Rd. #932054, Eurofins #480-161695-1 submitted to Vali-Data of WNY, LLC on December 9, 2019. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

All samples were diluted due to foaming.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %Rec of Pentachlorophenol was outside QC limits in CCVIS 480-501527/3. ASP allows for up to four target analytes to be outside QC limits without further action.
Several target analytes were outside laboratory QC limits, but within ASP QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD

- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of cis-Chlordane was outside QC limits between the columns in LCSD 480-501294/3-A. The RPD of cis-Chlordane and trans-Chlordane was outside QC limits between the columns in LCS 480-501294/2-A. These target analytes should be qualified as estimated in the corresponding laboratory control samples.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDT was outside QC limits between the columns in OW-14BR and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1016 and Aroclor 1260 in LCS 480-503005/2-A and should be qualified as estimated.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on many target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1260 peaks 2-5 and DCBP were outside QC limits off column ZB-35 in CCVIS 480-503148/5. This target analyte and surrogate should be qualified as estimated in the associated sample, blank and spikes off the associated columns.
Several target analytes had peaks that were outside QC limits, but ASP requires a minimum of three conforming peaks, so no further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Zn was detected in MB 480-501104/1-A above the MDL, below the reporting limit and is qualified as estimated. Cu was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-501378/18, 26, 38, 50. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
No MS/MSD was acquired.

FIELD DUPLICATE
All criteria were met except Pb and V were detected in LPZ-12S but were not detected in LPZ-12S DUP.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Sb, Ba and Pb was outside QC limits, high in ICVL 480-501378/7. The %Rec of Sb, Cu and Zn was outside QC limits, high in CCVL 480-501378/19. The %Rec of Sb and Cu was outside QC limits, high in CCVL 480-501378/27. The %Rec of Sb, Cr, Pb, Ag and Zn was outside QC limits, high in CCVL 480-501378/39. The %Rec of Sb and Zn was outside QC limits, high in CCVL 480-501378/51. These target analytes should be qualified as estimated high in the associated blanks, spikes and samples in which they were detected. The %Rec of Co, Se and Ag was outside QC limits, low in CCVL 480-501378/19. The %Rec of K was outside QC limits, low in CCVL 480-501378/27, 39. The %Rec of Co was outside QC limits, low in CCVL 480-501378/51. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

LDP-04, LSW-2, LSW-3, LSW-5, LSW-6, SG-1 & SW-2

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd. #932054
Eurofins SDG#480-164011-1
February 7, 2020
Sampling date: 12/10/2019

Prepared by:
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Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for The LiRo Group, project located at Nash Rd. #932054, Eurofins #480-164011-1 submitted to Vali-Data of WNY, LLC on January 10, 2020. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines (NFG) and NYSDEC Analytical Services Protocols (ASP). The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

All samples were diluted due to foaming except LSW-003 and LDP-04.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.
The pH of LDP-04 was outside QC limits, but the sample was analyzed within 7 days, so no further action is needed.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside ASP QC limits, high in SG-01. Associated target analytes detected in this sample should be qualified as estimated high.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Pentachlorophenol was outside NFG QC limits, high in SG-01MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated high in SG-01, if detected.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on several target analytes, with acceptable results except for Pentachlorophenol. This target analyte should be qualified as estimated in the samples, blank and spikes.

CONTINUING CALIBRATION
All criteria were met except the %D of Bis(2-Chloroethoxy) methane was outside QC limits in CCVIS 480-510277/3. This target analyte should be qualified as estimated in the samples, blank and spikes.
Several target analytes were outside laboratory QC limits, but within NFG QC limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples, MS/MSD and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column RTX-CLPI was outside NFG QC limits, low in SG-01, SG-01MS/MSD, LSW-003 and LSW-006. Detected target analytes in these samples, off this column should be qualified as estimated low. Non-detected target analytes in these samples, off this column should be qualified as estimated.

METHOD BLANK
All the criteria were met except 4,4'-DDD, 4,4'-DDT, delta-BHC and Endrin Aldehyde were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-509837/1-A. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.
The RPD of 4,4'-DDD and 4,4'-DDT was outside QC limits between the columns in MB 480-509837/1-A and should be qualified as estimated.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met except 4,4'-DDE and 4,4'-DDT were detected in LSW-006 but were not detected in DUP. Endosulfan sulfate and Endrin Ketone were detected in DUP but were not detected in LSW-006.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of Endosulfan I, Endrin Aldehyde and Endosulfan sulfate was outside QC limits between the columns in LCS 480-509837/2-A and should be qualified as estimated.

MS/MSD
All criteria were met except the %Rec of Heptachlor and alpha-BHC was outside QC limits, high in SG-01MS/MSD. These target analytes should be qualified as estimated in SG-01 and SG-01MS/MSD, if detected.
The RPD of 4,4'-DDT was outside QC limits between SG-01MS and SG-01MSD. ThIs target analyte should be qualified as estimated in SG-01 and SG-01MS/MSD.
The %Rec of 4,4'-DDT was outside QC limits in SG-01MS but within limits in SG-01MSD, so no further action is required.
The RPD of alpha-BHC, beta-BHC, delta-BHC, Heptachlor, 4,4'-DDT and Endrin aldehyde was outside QC limits between the columns in SG-01MS and should be qualified as estimated.
The RPD of alpha-BHC, beta-BHC, Heptachlor, 4,4'-DDE, Endosulfan I and Endrin aldehyde was outside QC limits between the columns in SG-01MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met except the RPD of trans-Chlordane and cis-Chlordane was outside QC limits between the columns in SG-01 and should be qualified as estimated. The RPD of beta-BHC and delta-BHC was outside QC limits between the columns in LSW-002 and should be qualified as estimated. The RPD of trans-Chlordane and delta-BHC was outside QC limits between the columns in LSW-003 and should be qualified as estimated. The RPD of 4,4'-DDE, Endosulfan II, trans-Chlordane and cis-Chlordane was outside QC limits between the columns in LSW-006 and should be qualified as estimated. The RPD of trans-Chlordane and Endosulfan sulfate was outside QC limits between the columns in DUP and should be qualified as estimated. The RPD of gamma-BHC, delta-BHC and 4,4'-DDD was outside QC limits between

the columns in LSW-005 and should be qualified as estimated. The RPD of 4,4'-DDD was outside QC limits between the columns in LDP-04 and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP was outside QC limits, low off column ZB-5 in SG-01 and SG-01MS/MSD. Detected target analytes in these samples, off this column should be qualified as estimated low. Non-detected target analytes in these samples, off this column should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All the criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1016 in LCS 480-509671/2-A and should be qualified as estimated.

MS/MSD
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1016 in SG-01MS/MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on many target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1260 peak 5 and DCBP was outside QC limits off column ZB-35 in CCVIS 480-510053/5 and CCV 480-510053/31. The %D of Aroclor 1232 peak 1 and Aroclor 1262 peak 5 was outside QC limits off column ZB-35 in CCV 480-510053/7. The %D of Aroclor 1242 peak 1 and Aroclor 1268 peaks 1-5 was outside QC limits off column ZB-35 in CCV 480-510053/8. These target analytes and surrogate should be qualified as estimated in the associated sample, blank and spikes off the associated columns.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, MS/MSD and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Mn was detected in MB 480-509586/1-A above the MDL, below the reporting limit and is qualified as estimated. Associated samples in which this target analyte was detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which this target analyte was detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Mn was outside QC limits, high in SG-01MS/MSD. This target analyte should be qualified as estimated high in SG-01 and SG-01MS/MSD, if detected.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Al, As and Zn was outside QC limits, high in CCVL 480-510745/19. The %Rec of Al was outside QC limits, high in CCVL 480-510745/25. The %Rec of Al and As was outside QC limits, high in CCVL 480-510745/37. These target analytes should be qualified as estimated high in the associated blanks, spikes and samples in which they were detected.
The %Rec of Cu, K, Se and Ag was outside QC limits, low in ICVL 480-510745/7. The %Rec of Cu was outside QC limits, low in CCVL 480-510745/19. Cu and K was outside QC limits, low in CCVL 480-510745/25, 49. The %Rec of Cu, Se and Ag was outside QC limits, low in CCVL 480-510745/37. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

LDP-02R, OW-1 & OW-31

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd. #932054
Eurofins SDG#480-165018-1
March 11, 2020
Sampling date: 1/9/2020

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for The LiRo Group, project located at Nash Rd. #932054, Eurofins #480-165018-1 submitted to Vali-Data of WNY, LLC on March 3, 2020. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines (NFG) and NYSDEC Analytical Services Protocols (ASP). The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with wet chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples and Method Blank.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except Benzaldehyde was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-513339/1-A. Associated samples in which this target analyte was detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which this target analyte was detected above the reporting limit should be qualified as estimated high.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Nitroaniline, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-2-methylphenol, 4-Bromophenyl phenyl ether, 4-Chloroaniline, 4-Chlorophenyl phenyl ether, 4-Nitroaniline, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Bis(2-chloroethoxy)methane, Bis(2-ethylhexyl)phthalate, Butyl benzyl phthalate, Carbazole, Chrysene, Di-n-butyl phthalate, Dibenz(a,h)anthracene, Dibenzofuran, Diethyl phthalate, Dimethyl phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Indeno(1,2,3-cd)pyrene, Isophorone, N-Nitrosodiphenylamine and Phenanthrene was outside QC limits between LCS 480-513339/2-A and LCSD 480-513339/3-A. These target analytes should be qualified as estimated in the associated samples.

MS/MSD
No MS/MSD was performed.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on several target analytes, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Method Blank, Laboratory Control Samples and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except alpha-BHC and Endrin Aldehyde were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-513197/1-A. Associated samples in which these target analytes were detected above the MDL and below the reporting

limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.
The RPD of alpha-BHC was outside QC limits between the columns in MB 480-513197/1-A and should be qualified as estimated.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of cis-Chlordane, Endrin Aldehyde and Dieldrin was outside QC limits between the columns in LCS 480-513197/2-A and should be qualified as estimated.

MS/MSD
No MS/MSD was performed.

COMPOUND QUANTITATION
All criteria were met except the RPD of Endrin Ketone was outside QC limits between the columns in LDP-02R and should be qualified as estimated. The RPD of delta-BHC was outside QC limits between the columns in OW-31 and should be qualified as estimated. The RPD of 4,4'-DDD was outside QC limits between the columns in OW-01 and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD

- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was performed.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on many target analytes, with acceptable

results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1232 peak 3 was outside QC limits off column ZB-5 in CCV 480-513283/7. The %D of Aroclor 1262 peaks 1-3, 5 was outside QC limits off column ZB-35 in CCV 480-513283/7. The %D of Aroclor 1248 peaks 1, 4, 5 was outside QC limits off column ZB-35 in CCV 480-513283/9. The %D of Aroclor 1260 peak 4 was outside QC limits off column ZB-5 in CCV 480-513283/31. These target analytes should be qualified as estimated in the associated sample, blank and spikes off the associated columns.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES

All holding times were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of As was outside QC limits, high in CCVL 480-513482/35. These target analytes should be qualified as estimated high in the associated blanks, spikes and samples in which they were detected.
The %Rec Cr, Pb, Ni and Ag was outside QC limits, low in ICVL 480-513482/7. The %Rec of Al, Fe and Cu was outside QC limits, low in CCVL 480-513482/24. Pb and Ag was outside QC limits, low in CCVL 480-513482/35. The %Rec of Se was outside QC limits, low in ICVL 480-513612/8 and CCVL 480-513612/18, 23, 34. These target analytes should be qualified as estimated in the associated blanks, spikes and samples.

APPENDIX F
HISTORIC DATA USABILITY SUMMARY REPORTS

1985 Phase II Report
(This report gives no indication that the results were validated)

1989 Phase II Report
(The validator's report is not included in the 1989 Phase II Report. The validator's qualifiers are provided in the report tables)

TABLE IV-4
GROUNDWATER RESULTS
HSL ORGANIC COMPOUNDS (ug/L)
NASH ROAD LANDFILL

COMPOUND (a)	NYS STANDARDS/ GUIDANCE VALUES (b)	Sample Location (h) Shallow Wells OW-14B (c)	OW-11	OW-13	OW-16	Deep Wells OW-14A (c)	OW-12	OW-15
Methylene chloride	50 G	R	240.0 J(f)	R	R	---	R	R
Acetone		---	2300.0 (f)	R	24.0	---	---	---
2-Butanone		---	---	---	9.8 JX	---	---	---
1,1,1-Trichloroethane	50 G	---	67.0 J(f)	---	R	---	---	R
Benzene	ND (d)	---	4500.0 (f)	---	12.0	---	---	---
4-Methyl-2-Pentanone		---	---	---	R	---	---	---
Tetrachloroethene	0.7 G	120 JX	---	---	67.0 JX	---	110.0 JX	---
Toluene	50 G	---	14000.0 (f)	---	5.2	---	---	---
Chlorobenzene	20 G	---	590.0 (f)	---	25.0	---	---	---
Ethylbenzene	50 G	---	---	---	55.0	---	---	---
Total xylenes	50 G	---	---	---	30.0	---	---	---
Benzyl Alcohol		---	770000.0 (g)	---	---	---	---	---
4-Methylphenol	1 (e)	---	---	---	25.0	---	---	---
2,4-Dimethylphenol	1 (e)	---	---	---	19.0	---	---	---
Benzoic Acid		---	2100000.0 B(g)	---	26.0 J	---	---	---
Naphthalene	10 G	---	---	---	8.3 J	---	---	---
2-Methylnaphthalene		---	---	---	---	20.0	---	---
bis(2-Ethylhexyl)Phthalate	4200	720.0 BX	---	R	R	R	1600.0 B	790.0 BX

FOOTNOTES:

(a) Only HSL organic compounds that were detected are presented.
(b) Referenced from; "Ambient Water Quality Standards and Guidance Values" for Class GA drinking supply waters, 6 NYCRR Part 703, NYSDEC, 9/1/78, as amended through 4/1/87. The value presented is the standard except where noted by "G", in which case it is the guidance value. All units are ug/L.
(c) Background location.
(d) ND = not detectable; i.e., the standard is the lower limit of detectability as defined by the NYSDEC.
(e) Standard for total phenolic compounds.
(f) Concentration/dilution factor = 75.
(g) Dilution factor = 5,000.
(h) Samples collected by Engineering Science on February 17-18, 1988, and November 17, 1988.

DATA QUALIFIERS:

B: This flag is used when the analyte is found in the blank as well as a sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
J: Indicates the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero.
---: Indicates that the compound was analyzed for but not detected. Refer to Appendix C for detection limit.
R: Data validation recommends this value be rejected.

TABLE IV-5
GROUNDWATER RESULTS
HSL METALS (ug/L)
NASH ROAD LANDFILL

METAL (a)	NYS STANDARDS AND GUIDANCE VALUES (b)		Sample Location (h)											
			Shallow Wells						Deep Wells					
			OW-14B (c)		OW-11		OW-13		OW-16		OW-14A (c)		OW-12		OW-15	
Aluminum			4900.0	X	10200.0	X	4550.0	X	37300.0	X	70300.0	X	50400.0	X	79800.0	X
Antimony	3	G	---		---		311.0	X	150.0		[53.0]		---		120.0	
Arsenic	25		6.3		---		10.4		11.4		---		13.5		---	
Barium	1000		[76.0]		550.0		295.0		740.0		800.0		550.0		710.0	
Beryllium	3	G	---		---		---		[4.0]		6.0		[4.0]		7.0	
Cadmium	10		---		---		7.0	X	---		---		---		---	
Calcium			100000.0		2380000.0	(e)	299000.0		183000.0		890000.0		290000.0		430000.0	
Chromium			---		15.0		32.0		90.0		130.0		79.0		120.0	
Cobalt			---		[34.0]		68.0		50.0		65.0		[43.0]		81.0	
Copper	1000		[24.0]	X	120.0	X	2270.0	X	160.0	X	180.0	X	130.0	X	190.0	X
Iron	300		9800.0	X	34500.0	X	34100.0		131000.0	X	131000.0	X	80800.0	X	144000.0	X
Lead	25		28.4	(d)	180.0	(f)	81.6	X	600.0	(g)	140.0	(f)	92.6	(d)	130.0	(f)
Magnesium	35000	G	33300.0	X	398000.0	X	72100.0		165000.0	X	181000.0	X	93200.0	X	134000.0	X
Manganese	300		1200.0	X	12100.0	X	2350.0		1600.0	X	4500.0	X	2500.0	X	3900.0	X
Mercury	2		---		0.3		0.2		0.8		---		---		0.3	
Nickel	13.4	Z	---		180.0		250.0	X	110.0		140.0		89.0		150.0	
Potassium			---		25100.0		18500.0		141000.0		168000.0		14900.0		19800.0	
Silver	50		---		31.0		46.0	X	---		---		---		---	
Sodium			21900.0	X	165000.0	X	68200.0		361000.0	X	97600.0	X	55000.0	X	64500.0	X
Vanadium			---		---		---		66.0		130.0		81.0		130.0	
Zinc	5000		140.0	X	540.0	X	R		1800.0	X	580.0	X	330.0	X	570.0	X
TOX			33.0		NS		59.0		888.0		8.0		53.0		34.0	

FOOTNOTES:

(a) Only HSL metals that were detected are presented. If the result is a value greater than or equal to the instrument detection limit but less than the contract-required detection limit, the value is reported in brackets (i.e.; [10]).
(b) Referenced from; "Ambient Water Quality Standards and Guidance Values" for Class GA drinking supply waters, 6 NYCRR Part 703, NYSDEC, 9/1/78, as amended through 4/1/87. The value presented is the standard except where noted by "G", in which case it is the guidance value. For nickel (flagged "Z") the value presented is the ambient water quality criterion for human health, from; "Quality Criteria for Water, 1986", USEPA, 5/1/87. All units are ug/L.
(c) Background location.
(d) Dilution factor = 2.
(e) Dilution factor = 50.
(f) Dilution factor = 10.
(g) Dilution factor = 100.
(h) Samples collected by Engineering Science on February 17-18, 1988.

DATA QUALIFIERS:

---: Indicates that the metal was analyzed for but not detected. Refer to Appendix C for detection limit.
R: Data validation recommends this value be rejected.
X: Data validation recommends this value be considered an estimate.
NS: No sample

2013 Site Characterization

OW-1, OW-13, OW-14B, OW-16, OW-21, OW-22, OW-23, OW-24 & OW-25

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Nash Rd. LF #932054
TestAmerica SDG#480-43118-1
November 1, 2021
Sampling date: 8/2/2013

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers, project located at Nash Rd. LF #932054, TestAmerica SDG#480-43118-1 submitted to Vali-Data of WNY, LLC on September 30, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260B), Semi-Volatile Organics (8270C), Pesticides (8081A), Herbicides(8151A) and Inorganics(6010B, 7470A).

ID	Sample ID	Laboratory ID
1	OW-16	480-43118-1
2	OW-23	480-43118-2
3	OW-13	480-43118-3
4	OW-24	480-43118-4
5	OW-25	480-43118-5
6	OW-22	480-43118-6
7	OW-21	480-43118-7
8	OW-1	480-43118-8
9	OW-1	480-43118-9
10	OW-14B	480-43118-10
11	TRIP BLANK	480-43118-11

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Continuing Calibration.

Samples: OW-1, OW-13, OW-16, OW-2, OW-21, OW-22, OW-23 and OW-24 were diluted due to foaming.
Sample: OW-25 was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 1,2-Dichloroethane-d_4 was outside QC limits, high in OW-16, OW-1, OW-2, OW-14B and TRIP BLANK and should be qualified as estimated. No associated target analytes were detected in these samples, so no further action is required.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes in which the RSD > 15.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of some target analytes were outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
CCVIS 480-132975/2	Chloroethane	33.4	UJ	MB 480-132975, 1-11
CCVIS 480-132975/2	Carbon Tetrachloride	27.9	UJ	MB 480-132975, 1-11

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank, Surrogate Spike Recoveries and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except Phenol-d_5 was outside QC limits, low in OW-25 and should be qualified as estimated. The following target analytes should be qualified as undetected estimated in these samples.

Phenol	2-Chlorophenol	2-Nitrophenol
2,4-Dimethylphenol	2,4-Dichlorophenol	4-Chloro-3-Methylphenol

METHOD BLANK
All the criteria were met except some target analytes were detected in the method blanks. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

Blank ID	Target analyte	Concentration(ug/L)	Qualifier	Associated Sample
MB 480-132301	Di-n-butyl phthalate	.364	U at RL	1-4, 7-10
MB 480-132301	Benzaldehyde	.276	U at RL	1, 3, 4, 6, 8
MB 480-132301	Fluoranthene	.451	U at RL	1-4, 6
MB 480-132301	Phenanthrene	1.03	U at RL	1-4, 6-8
MB 480-132679	Di-n-butyl phthalate	.445	U at RL	none

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes in which the RSD >15.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of one of the target analytes was outside QC limits. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
CCVIS 480-133115/3	Bis(2-chloroisopropyl)ether	22.2	UJ	MB 480-132301,1-4,6-10

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples, Surrogate Spike Recoveries, MS/MSD, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP was outside QC limits, low in OW-24 and OW-22 and should be qualified as estimated. Target analytes in these samples should be qualified as estimated.
The %Rec of TCMX was outside QC limits, high in OW-1 and should be qualified as estimated. Target analytes detected in this sample should be qualified as estimated high.
Some surrogate spike recoveries were outside laboratory QC limits due to dilution, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of alpha-Chlordane, alpha-BHC, delta-BHC, gamma-BHC, Aldrin, 4,4'-DDE, 4,4'-DDD, Endosulfan I, Dieldrin and Endrin was outside QC limits between the columns in LCS 480-132305/2-A and should be qualified as estimated.

MS/MSD
All criteria were met except the %Rec of gamma-Chlordane was outside QC limits, high in OW-16MS/MSD and should be qualified as estimated. This target analyte should be qualified as estimated high in OW-16.

The RPD of gamma-Chlordane, delta-BHC and Heptachlor epoxide was outside QC limits between OW-16MS and OW-16MSD and should be qualified as estimated. These target analytes should be qualified as estimated in OW-16.
The RPD of all target analytes except Endosulfan sulfate and Endrin Ketone was outside QC limits between the columns in OW-16MS/MSD. The non-conforming target analytes should be qualified as estimated in OW-16MS/MSD.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except the RPD of some target analytes were outside QC limits between the columns and should be qualified as estimated.

Sample ID	Target Analyte	Qualifier
OW-16	All detected target analytes	J
OW-23	g-Chlordane	J
OW-13	All but gamma-BHC, endrin aldehyde	J
OW-24	g-BHC, Methoxychlor	J
OW-25, OW-22	All but gamma-BHC	J
OW-1	g-BHC	J

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of DCBP was outside QC limits in off RTX-CLPII in CCV 480-132512/22. This surrogate should be qualified as estimated in the associated samples off the associated column.

Calibration ID	Surrogate	%D	Qualifier	Associated Sample
CCV 480-132512/22	DCBP	26.1	J	6-10

Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4-Dichlorophenylacetic acid was outside QC limits, high in one of the samples and should be qualified as estimated. No target analytes were detected in this sample, so no further action is required.

Sample ID	%Rec RTX-CLPI	%Rec RTX-CLPII	Qualifier
OW-22	143	-	none

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all of the target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of some target analytes was outside QC limit. Associated samples, blanks and spikes should be qualified as estimated.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
CCV 480-132866/33	2,4,5-T	15.9	UJ/J	1-4, 6-8, 2MS/MSD
CCV 480-132866/50	2,4,5-T	17.8	UJ	9,10
CCV 480-132866/50	2,4,5-TP	20.6	UJ	9,10
CCV 480-132866/52	2,4,5-TP	15.8	UJ	5
CCV 480-132866/54	2,4,5-T	19.0	UJ	5
CCV 480-132866/54	2,4,5-TP	21.8	UJ	5

Some target analytes were outside laboratory QC limits but were within NFG QC limits, so no further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD/Duplicate
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

Comments
No additional comments.

Receipt
The samples were received on 8/2/2013 4:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 3.2º C, 3.3º C, 3.8º C and 4.6º C.

Except:

A trip blank was submitted for analysis with these samples; however, it was not listed on the Chain of Custody (COC).

GC/MS VOA
Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: OW-25 (480-43118-5). Elevated reporting limits (RLs) are provided.

Method(s) 8260B: The following volatiles sample(s) was diluted due to foaming at the time of purging during the original sample analysis: OW-1 (480-43118-8), OW-13 (480-43118-3), OW-16 (480-43118-1), OW-2 (480-43118-9), OW-21 (480-43118-7), OW-22 (480-43118-6), OW-23 (480-43118-2), OW-24 (480-43118-4). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: Surrogate recovery for the following sample(s) was outside control limits: OW-25 (480-43118-5). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch 132679 recovered outside control limits for the following analytes: 3-Nitroaniline and 4-Chloroaniline. 3-Nitroaniline and 4-Chloroaniline have been identified as poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-25 (480-43118-5) and OW-25 (480-43118-5) DL. Elevated reporting limits (RLs) are provided.

Method(s) 8270C: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 133115: 2,2'-oxybis[1-chloropropane] and 2,4-Dinitrophenol. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for 4 analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch 132301 recovered outside control limits for the following analytes: 3-Nitroaniline, 4-Chloroaniline, and Benzaldehyde. 3-Nitroaniline, 4-Chloroaniline, and Benzaldehyde have been identified as poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The method blank for batch 132301 contained Benzaldehyde, Di-n-butyl phthalate, Fluoranthene, and Phenanthrene above the method detection limit. These target analytes concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081A: The surrogate percent difference in the associated continuing calibration verifications (CCV) for Decachlorobiphenyl exceeded 15% on the RTX-CLPII column, indicating a high bias. (CCV 480-132512/15), (CCV 480-132512/22), (CCV 480-132512/3)

Method(s) 8081A: The percent difference in these continuing calibration verifications slightly exceeded 15% for Methoxychlor due to the decreased instrument response following field samples that had heavy matrix effects; (CCV 480-132512/15), (CCV 480-132512/22). Subsequent continuing calibration verifications demonstrated compliance with routine quality control criteria, verifying the temporary nature of this effect.

Method(s) 8081A: The following samples are diluted due to the nature of the sample matrix: OW-1 (480-43118-8), OW-22 (480-43118-6), OW-24 (480-43118-4). Elevated reporting limits (RLs) are provided.

Method(s) 8081A: All primary data is reported from the RTX-CLPII column.

Method(s) 8081A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total

amount, individual peak calculations are only listed for completeness.

Method(s) 8081A: For this sample primary data is reported from RTX-CLPII column, with the exception of gamma chlordane, for which primary data is reported from the RTX-CLPI column due to matrix interference.OW-16 (480-43118-1).

Method(s) 8081A: The matrix spike / matrix spike duplicate (MS / MSD) recoveries for batch 132305 were outside control limits due to matrix interference. The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method(s) 8081A: The following sample(s) was diluted due to the nature of the sample matrix: OW-2 (480-43118-9), OW-25 (480-43118-5). As such, surrogate recoveries are not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8081A: Surrogate recovery for the following sample(s) was outside control limits: OW-1 (480-43118-8), OW-16 (480-43118-1), OW-22 (480-43118-6), OW-24 (480-43118-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8151A: The following sample was diluted due to the nature of the sample matrix: OW-25 (480-43118-5). As such, surrogate recoveries are not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8151A: The continuing calibration verification (CCV) for 2.4.5-T and a.4.5-TP (silvex) associated with batch 132866 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8151A: Surrogate recovery for the following sample was outside the upper control limit: OW-22 (480-43118-6). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8151A: All primary data is reported from the RTX-CLPI column.

Method(s) 8151A: The following sample was diluted due to the nature of the sample matrix: OW-25 (480-43118-5). As such, surrogate recoveries are not representative, and elevated reporting limits (RLs) are provided.

Method(s) 8151A: The continuing calibration verification (CCV) for 2.4.5-T and a.4.5-TP (silvex) associated with batch 132866 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8151A: Surrogate recovery for the following sample was outside the upper control limit: OW-22 (480-43118-6). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8151A: All primary data is reported from the RTX-CLPI column.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-16**

Lab Sample ID: 480-43118-1 Date Sampled: 08/02/2013 1315
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0705.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1715			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1715				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		3.3	4.0
1,1,2,2-Tetrachloroethane	ND		0.84	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.2	4.0
1,1,2-Trichloroethane	ND		0.92	4.0
1,1-Dichloroethane	ND		1.5	4.0
1,1-Dichloroethene	ND		1.2	4.0
1,2,4-Trichlorobenzene	ND		1.6	4.0
1,2-Dibromo-3-Chloropropane	ND		1.6	4.0
1,2-Dibromoethane	ND		2.9	4.0
1,2-Dichlorobenzene	ND		3.2	4.0
1,2-Dichloroethane	ND		0.84	4.0
1,2-Dichloropropane	ND		2.9	4.0
1,3-Dichlorobenzene	ND		3.1	4.0
1,4-Dichlorobenzene	ND		3.4	4.0
2-Butanone (MEK)	ND		5.3	40
2-Hexanone	ND		5.0	20
4-Methyl-2-pentanone (MIBK)	ND		8.4	20
Acetone	ND		12	40
Benzene	2.9	J	1.6	4.0
Bromodichloromethane	ND		1.6	4.0
Bromoform	ND		1.0	4.0
Bromomethane	ND		2.8	4.0
Carbon disulfide	ND		0.76	4.0
Carbon tetrachloride	ND		1.1	4.0
Chlorobenzene	15		3.0	4.0
Chloroethane	ND		1.3	4.0
Chloroform	ND		1.4	4.0
Chloromethane	ND		1.4	4.0
cis-1,2-Dichloroethene	ND		3.2	4.0
cis-1,3-Dichloropropene	ND		1.4	4.0
Cyclohexane	ND		0.72	4.0
Dibromochloromethane	ND		1.3	4.0
Dichlorodifluoromethane	ND		2.7	4.0
Ethylbenzene	ND		3.0	4.0
Isopropylbenzene	ND		3.2	4.0
Methyl acetate	ND		2.0	4.0
Methyl tert-butyl ether	ND		0.64	4.0
Methylcyclohexane	ND		0.64	4.0
Methylene Chloride	ND		1.8	4.0
Styrene	ND		2.9	4.0
Tetrachloroethene	ND		1.4	4.0
Toluene	ND		2.0	4.0
trans-1,2-Dichloroethene	ND		3.6	4.0
trans-1,3-Dichloropropene	ND		1.5	4.0
Trichloroethene	ND		1.8	4.0
Trichlorofluoromethane	ND		3.5	4.0

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-16**

Lab Sample ID: 480-43118-1 Date Sampled: 08/02/2013 1315
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0705.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1715			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1715				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		3.6	4.0
Xylenes, Total	ND		2.6	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	126		66 - 137
4-Bromofluorobenzene (Surr)	105		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-23**

Lab Sample ID: 480-43118-2 Date Sampled: 08/02/2013 1345
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0706.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1740			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1740				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		3.3	4.0
1,1,2,2-Tetrachloroethane	ND		0.84	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.2	4.0
1,1,2-Trichloroethane	ND		0.92	4.0
1,1-Dichloroethane	ND		1.5	4.0
1,1-Dichloroethene	ND		1.2	4.0
1,2,4-Trichlorobenzene	ND		1.6	4.0
1,2-Dibromo-3-Chloropropane	ND		1.6	4.0
1,2-Dibromoethane	ND		2.9	4.0
1,2-Dichlorobenzene	ND		3.2	4.0
1,2-Dichloroethane	ND		0.84	4.0
1,2-Dichloropropane	ND		2.9	4.0
1,3-Dichlorobenzene	ND		3.1	4.0
1,4-Dichlorobenzene	ND		3.4	4.0
2-Butanone (MEK)	ND		5.3	40
2-Hexanone	ND		5.0	20
4-Methyl-2-pentanone (MIBK)	ND		8.4	20
Acetone	ND		12	40
Benzene	ND		1.6	4.0
Bromodichloromethane	ND		1.6	4.0
Bromoform	ND		1.0	4.0
Bromomethane	ND		2.8	4.0
Carbon disulfide	ND		0.76	4.0
Carbon tetrachloride	ND		1.1	4.0
Chlorobenzene	ND		3.0	4.0
Chloroethane	ND		1.3	4.0
Chloroform	ND		1.4	4.0
Chloromethane	ND		1.4	4.0
cis-1,2-Dichloroethene	ND		3.2	4.0
cis-1,3-Dichloropropene	ND		1.4	4.0
Cyclohexane	ND		0.72	4.0
Dibromochloromethane	ND		1.3	4.0
Dichlorodifluoromethane	ND		2.7	4.0
Ethylbenzene	ND		3.0	4.0
Isopropylbenzene	ND		3.2	4.0
Methyl acetate	ND		2.0	4.0
Methyl tert-butyl ether	ND		0.64	4.0
Methylcyclohexane	ND		0.64	4.0
Methylene Chloride	ND		1.8	4.0
Styrene	ND		2.9	4.0
Tetrachloroethene	ND		1.4	4.0
Toluene	ND		2.0	4.0
trans-1,2-Dichloroethene	ND		3.6	4.0
trans-1,3-Dichloropropene	ND		1.5	4.0
Trichloroethene	ND		1.8	4.0
Trichlorofluoromethane	ND		3.5	4.0

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-23**

Lab Sample ID: 480-43118-2 Date Sampled: 08/02/2013 1345
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0706.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1740			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1740				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		3.6	4.0
Xylenes, Total	ND		2.6	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-13**

Lab Sample ID: 480-43118-3 Date Sampled: 08/02/2013 1400
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0707.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1805			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1805				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		3.3	4.0
1,1,2,2-Tetrachloroethane	ND		0.84	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.2	4.0
1,1,2-Trichloroethane	ND		0.92	4.0
1,1-Dichloroethane	ND		1.5	4.0
1,1-Dichloroethene	ND		1.2	4.0
1,2,4-Trichlorobenzene	ND		1.6	4.0
1,2-Dibromo-3-Chloropropane	ND		1.6	4.0
1,2-Dibromoethane	ND		2.9	4.0
1,2-Dichlorobenzene	ND		3.2	4.0
1,2-Dichloroethane	ND		0.84	4.0
1,2-Dichloropropane	ND		2.9	4.0
1,3-Dichlorobenzene	ND		3.1	4.0
1,4-Dichlorobenzene	ND		3.4	4.0
2-Butanone (MEK)	ND		5.3	40
2-Hexanone	ND		5.0	20
4-Methyl-2-pentanone (MIBK)	ND		8.4	20
Acetone	ND		12	40
Benzene	ND		1.6	4.0
Bromodichloromethane	ND		1.6	4.0
Bromoform	ND		1.0	4.0
Bromomethane	ND		2.8	4.0
Carbon disulfide	ND		0.76	4.0
Carbon tetrachloride	ND		1.1	4.0
Chlorobenzene	ND		3.0	4.0
Chloroethane	ND		1.3	4.0
Chloroform	ND		1.4	4.0
Chloromethane	ND		1.4	4.0
cis-1,2-Dichloroethene	ND		3.2	4.0
cis-1,3-Dichloropropene	ND		1.4	4.0
Cyclohexane	ND		0.72	4.0
Dibromochloromethane	ND		1.3	4.0
Dichlorodifluoromethane	ND		2.7	4.0
Ethylbenzene	ND		3.0	4.0
Isopropylbenzene	ND		3.2	4.0
Methyl acetate	ND		2.0	4.0
Methyl tert-butyl ether	ND		0.64	4.0
Methylcyclohexane	ND		0.64	4.0
Methylene Chloride	ND		1.8	4.0
Styrene	ND		2.9	4.0
Tetrachloroethene	ND		1.4	4.0
Toluene	ND		2.0	4.0
trans-1,2-Dichloroethene	ND		3.6	4.0
trans-1,3-Dichloropropene	ND		1.5	4.0
Trichloroethene	ND		1.8	4.0
Trichlorofluoromethane	ND		3.5	4.0

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-13**

Lab Sample ID: 480-43118-3 Date Sampled: 08/02/2013 1400
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0707.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1805			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1805				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		3.6	4.0
Xylenes, Total	ND		2.6	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122		66 - 137
4-Bromofluorobenzene (Surr)	100		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-24**

Lab Sample ID: 480-43118-4 Date Sampled: 08/02/2013 1415
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0708.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1830			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1830				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		3.3	4.0
1,1,2,2-Tetrachloroethane	ND		0.84	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.2	4.0
1,1,2-Trichloroethane	ND		0.92	4.0
1,1-Dichloroethane	ND		1.5	4.0
1,1-Dichloroethene	ND		1.2	4.0
1,2,4-Trichlorobenzene	ND		1.6	4.0
1,2-Dibromo-3-Chloropropane	ND		1.6	4.0
1,2-Dibromoethane	ND		2.9	4.0
1,2-Dichlorobenzene	ND		3.2	4.0
1,2-Dichloroethane	ND		0.84	4.0
1,2-Dichloropropane	ND		2.9	4.0
1,3-Dichlorobenzene	ND		3.1	4.0
1,4-Dichlorobenzene	5.4		3.4	4.0
2-Butanone (MEK)	ND		5.3	40
2-Hexanone	ND		5.0	20
4-Methyl-2-pentanone (MIBK)	ND		8.4	20
Acetone	ND		12	40
Benzene	1.8	J	1.6	4.0
Bromodichloromethane	ND		1.6	4.0
Bromoform	ND		1.0	4.0
Bromomethane	ND		2.8	4.0
Carbon disulfide	ND		0.76	4.0
Carbon tetrachloride	ND		1.1	4.0
Chlorobenzene	88		3.0	4.0
Chloroethane	ND		1.3	4.0
Chloroform	ND		1.4	4.0
Chloromethane	ND		1.4	4.0
cis-1,2-Dichloroethene	ND		3.2	4.0
cis-1,3-Dichloropropene	ND		1.4	4.0
Cyclohexane	ND		0.72	4.0
Dibromochloromethane	ND		1.3	4.0
Dichlorodifluoromethane	ND		2.7	4.0
Ethylbenzene	ND		3.0	4.0
Isopropylbenzene	ND		3.2	4.0
Methyl acetate	ND		2.0	4.0
Methyl tert-butyl ether	ND		0.64	4.0
Methylcyclohexane	ND		0.64	4.0
Methylene Chloride	ND		1.8	4.0
Styrene	ND		2.9	4.0
Tetrachloroethene	ND		1.4	4.0
Toluene	ND		2.0	4.0
trans-1,2-Dichloroethene	ND		3.6	4.0
trans-1,3-Dichloropropene	ND		1.5	4.0
Trichloroethene	ND		1.8	4.0
Trichlorofluoromethane	ND		3.5	4.0

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-24**

Lab Sample ID: 480-43118-4 Date Sampled: 08/02/2013 1415
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0708.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1830			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1830				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		3.6	4.0
Xylenes, Total	ND		2.6	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122		66 - 137
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-25**

Lab Sample ID: 480-43118-5 Date Sampled: 08/02/2013 1420
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0709.D
Dilution:	50			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1907			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1907				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		41	50
1,1,2,2-Tetrachloroethane	ND		11	50
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		16	50
1,1,2-Trichloroethane	ND		12	50
1,1-Dichloroethane	ND		19	50
1,1-Dichloroethene	ND		15	50
1,2,4-Trichlorobenzene	59		21	50
1,2-Dibromo-3-Chloropropane	ND		20	50
1,2-Dibromoethane	ND		37	50
1,2-Dichlorobenzene	77		40	50
1,2-Dichloroethane	ND		11	50
1,2-Dichloropropane	ND		36	50
1,3-Dichlorobenzene	190		39	50
1,4-Dichlorobenzene	840		42	50
2-Butanone (MEK)	ND		66	500
2-Hexanone	ND		62	250
4-Methyl-2-pentanone (MIBK)	ND		110	250
Acetone	ND		150	500
Benzene	4600		21	50
Bromodichloromethane	ND		20	50
Bromoform	ND		13	50
Bromomethane	ND		35	50
Carbon disulfide	ND		9.5	50
Carbon tetrachloride	ND		14	50
Chlorobenzene	2800		38	50
Chloroethane	ND		16	50
Chloroform	ND		17	50
Chloromethane	ND		18	50
cis-1,2-Dichloroethene	ND		41	50
cis-1,3-Dichloropropene	ND		18	50
Cyclohexane	ND		9.0	50
Dibromochloromethane	ND		16	50
Dichlorodifluoromethane	ND		34	50
Ethylbenzene	ND		37	50
Isopropylbenzene	ND		40	50
Methyl acetate	ND		25	50
Methyl tert-butyl ether	ND		8.0	50
Methylcyclohexane	ND		8.0	50
Methylene Chloride	ND		22	50
Styrene	ND		37	50
Tetrachloroethene	ND		18	50
Toluene	1100		26	50
trans-1,2-Dichloroethene	ND		45	50
trans-1,3-Dichloropropene	ND		19	50
Trichloroethene	ND		23	50
Trichlorofluoromethane	ND		44	50

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-25**

Lab Sample ID: 480-43118-5 Date Sampled: 08/02/2013 1420
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0709.D
Dilution:	50			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1907			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1907				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		45	50
Xylenes, Total	ND		33	100

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		66 - 137
4-Bromofluorobenzene (Surr)	107		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-22**

Lab Sample ID: 480-43118-6 Date Sampled: 08/02/2013 1430
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0710.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1932			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1932				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		3.3	4.0
1,1,2,2-Tetrachloroethane	ND		0.84	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.2	4.0
1,1,2-Trichloroethane	ND		0.92	4.0
1,1-Dichloroethane	ND		1.5	4.0
1,1-Dichloroethene	ND		1.2	4.0
1,2,4-Trichlorobenzene	ND		1.6	4.0
1,2-Dibromo-3-Chloropropane	ND		1.6	4.0
1,2-Dibromoethane	ND		2.9	4.0
1,2-Dichlorobenzene	ND		3.2	4.0
1,2-Dichloroethane	ND		0.84	4.0
1,2-Dichloropropane	ND		2.9	4.0
1,3-Dichlorobenzene	ND		3.1	4.0
1,4-Dichlorobenzene	ND		3.4	4.0
2-Butanone (MEK)	ND		5.3	40
2-Hexanone	ND		5.0	20
4-Methyl-2-pentanone (MIBK)	ND		8.4	20
Acetone	ND		12	40
Benzene	ND		1.6	4.0
Bromodichloromethane	ND		1.6	4.0
Bromoform	ND		1.0	4.0
Bromomethane	ND		2.8	4.0
Carbon disulfide	ND		0.76	4.0
Carbon tetrachloride	ND		1.1	4.0
Chlorobenzene	ND		3.0	4.0
Chloroethane	ND		1.3	4.0
Chloroform	ND		1.4	4.0
Chloromethane	ND		1.4	4.0
cis-1,2-Dichloroethene	ND		3.2	4.0
cis-1,3-Dichloropropene	ND		1.4	4.0
Cyclohexane	ND		0.72	4.0
Dibromochloromethane	ND		1.3	4.0
Dichlorodifluoromethane	ND		2.7	4.0
Ethylbenzene	ND		3.0	4.0
Isopropylbenzene	ND		3.2	4.0
Methyl acetate	ND		2.0	4.0
Methyl tert-butyl ether	ND		0.64	4.0
Methylcyclohexane	ND		0.64	4.0
Methylene Chloride	ND		1.8	4.0
Styrene	ND		2.9	4.0
Tetrachloroethene	ND		1.4	4.0
Toluene	ND		2.0	4.0
trans-1,2-Dichloroethene	ND		3.6	4.0
trans-1,3-Dichloropropene	ND		1.5	4.0
Trichloroethene	ND		1.8	4.0
Trichlorofluoromethane	ND		3.5	4.0

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-22**

Lab Sample ID: 480-43118-6 Date Sampled: 08/02/2013 1430
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0710.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1932			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1932				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		3.6	4.0
Xylenes, Total	ND		2.6	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	122		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-21**

Lab Sample ID: 480-43118-7 Date Sampled: 08/02/2013 1440
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0711.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1956			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1956				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		3.3	4.0
1,1,2,2-Tetrachloroethane	ND		0.84	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.2	4.0
1,1,2-Trichloroethane	ND		0.92	4.0
1,1-Dichloroethane	ND		1.5	4.0
1,1-Dichloroethene	ND		1.2	4.0
1,2,4-Trichlorobenzene	ND		1.6	4.0
1,2-Dibromo-3-Chloropropane	ND		1.6	4.0
1,2-Dibromoethane	ND		2.9	4.0
1,2-Dichlorobenzene	ND		3.2	4.0
1,2-Dichloroethane	ND		0.84	4.0
1,2-Dichloropropane	ND		2.9	4.0
1,3-Dichlorobenzene	ND		3.1	4.0
1,4-Dichlorobenzene	ND		3.4	4.0
2-Butanone (MEK)	ND		5.3	40
2-Hexanone	ND		5.0	20
4-Methyl-2-pentanone (MIBK)	ND		8.4	20
Acetone	ND		12	40
Benzene	ND		1.6	4.0
Bromodichloromethane	ND		1.6	4.0
Bromoform	ND		1.0	4.0
Bromomethane	ND		2.8	4.0
Carbon disulfide	ND		0.76	4.0
Carbon tetrachloride	ND		1.1	4.0
Chlorobenzene	ND		3.0	4.0
Chloroethane	ND		1.3	4.0
Chloroform	ND		1.4	4.0
Chloromethane	ND		1.4	4.0
cis-1,2-Dichloroethene	ND		3.2	4.0
cis-1,3-Dichloropropene	ND		1.4	4.0
Cyclohexane	ND		0.72	4.0
Dibromochloromethane	ND		1.3	4.0
Dichlorodifluoromethane	ND		2.7	4.0
Ethylbenzene	ND		3.0	4.0
Isopropylbenzene	ND		3.2	4.0
Methyl acetate	ND		2.0	4.0
Methyl tert-butyl ether	ND		0.64	4.0
Methylcyclohexane	ND		0.64	4.0
Methylene Chloride	ND		1.8	4.0
Styrene	ND		2.9	4.0
Tetrachloroethene	ND		1.4	4.0
Toluene	ND		2.0	4.0
trans-1,2-Dichloroethene	ND		3.6	4.0
trans-1,3-Dichloropropene	ND		1.5	4.0
Trichloroethene	ND		1.8	4.0
Trichlorofluoromethane	ND		3.5	4.0

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-21**

Lab Sample ID: 480-43118-7 Date Sampled: 08/02/2013 1440
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0711.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 1956			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 1956				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		3.6	4.0
Xylenes, Total	ND		2.6	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	123		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-1**

Lab Sample ID: 480-43118-8 Date Sampled: 08/02/2013 1450
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0712.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 2020			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 2020				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		3.3	4.0
1,1,2,2-Tetrachloroethane	ND		0.84	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.2	4.0
1,1,2-Trichloroethane	ND		0.92	4.0
1,1-Dichloroethane	ND		1.5	4.0
1,1-Dichloroethene	ND		1.2	4.0
1,2,4-Trichlorobenzene	ND		1.6	4.0
1,2-Dibromo-3-Chloropropane	ND		1.6	4.0
1,2-Dibromoethane	ND		2.9	4.0
1,2-Dichlorobenzene	ND		3.2	4.0
1,2-Dichloroethane	ND		0.84	4.0
1,2-Dichloropropane	ND		2.9	4.0
1,3-Dichlorobenzene	ND		3.1	4.0
1,4-Dichlorobenzene	ND		3.4	4.0
2-Butanone (MEK)	ND		5.3	40
2-Hexanone	ND		5.0	20
4-Methyl-2-pentanone (MIBK)	ND		8.4	20
Acetone	ND		12	40
Benzene	ND		1.6	4.0
Bromodichloromethane	ND		1.6	4.0
Bromoform	ND		1.0	4.0
Bromomethane	ND		2.8	4.0
Carbon disulfide	ND		0.76	4.0
Carbon tetrachloride	ND		1.1	4.0
Chlorobenzene	ND		3.0	4.0
Chloroethane	ND		1.3	4.0
Chloroform	ND		1.4	4.0
Chloromethane	ND		1.4	4.0
cis-1,2-Dichloroethene	ND		3.2	4.0
cis-1,3-Dichloropropene	ND		1.4	4.0
Cyclohexane	ND		0.72	4.0
Dibromochloromethane	ND		1.3	4.0
Dichlorodifluoromethane	ND		2.7	4.0
Ethylbenzene	ND		3.0	4.0
Isopropylbenzene	ND		3.2	4.0
Methyl acetate	ND		2.0	4.0
Methyl tert-butyl ether	ND		0.64	4.0
Methylcyclohexane	ND		0.64	4.0
Methylene Chloride	ND		1.8	4.0
Styrene	ND		2.9	4.0
Tetrachloroethene	ND		1.4	4.0
Toluene	ND		2.0	4.0
trans-1,2-Dichloroethene	ND		3.6	4.0
trans-1,3-Dichloropropene	ND		1.5	4.0
Trichloroethene	ND		1.8	4.0
Trichlorofluoromethane	ND		3.5	4.0

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-1**

Lab Sample ID: 480-43118-8 Date Sampled: 08/02/2013 1450
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0712.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 2020			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 2020				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		3.6	4.0
Xylenes, Total	ND		2.6	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	127		66 - 137
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-2**

Lab Sample ID: 480-43118-9 Date Sampled: 08/02/2013 1505
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0713.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 2045			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 2045				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		3.3	4.0
1,1,2,2-Tetrachloroethane	ND		0.84	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.2	4.0
1,1,2-Trichloroethane	ND		0.92	4.0
1,1-Dichloroethane	ND		1.5	4.0
1,1-Dichloroethene	ND		1.2	4.0
1,2,4-Trichlorobenzene	ND		1.6	4.0
1,2-Dibromo-3-Chloropropane	ND		1.6	4.0
1,2-Dibromoethane	ND		2.9	4.0
1,2-Dichlorobenzene	ND		3.2	4.0
1,2-Dichloroethane	ND		0.84	4.0
1,2-Dichloropropane	ND		2.9	4.0
1,3-Dichlorobenzene	ND		3.1	4.0
1,4-Dichlorobenzene	ND		3.4	4.0
2-Butanone (MEK)	ND		5.3	40
2-Hexanone	ND		5.0	20
4-Methyl-2-pentanone (MIBK)	ND		8.4	20
Acetone	ND		12	40
Benzene	ND		1.6	4.0
Bromodichloromethane	ND		1.6	4.0
Bromoform	ND		1.0	4.0
Bromomethane	ND		2.8	4.0
Carbon disulfide	ND		0.76	4.0
Carbon tetrachloride	ND		1.1	4.0
Chlorobenzene	ND		3.0	4.0
Chloroethane	ND		1.3	4.0
Chloroform	ND		1.4	4.0
Chloromethane	ND		1.4	4.0
cis-1,2-Dichloroethene	ND		3.2	4.0
cis-1,3-Dichloropropene	ND		1.4	4.0
Cyclohexane	ND		0.72	4.0
Dibromochloromethane	ND		1.3	4.0
Dichlorodifluoromethane	ND		2.7	4.0
Ethylbenzene	ND		3.0	4.0
Isopropylbenzene	ND		3.2	4.0
Methyl acetate	ND		2.0	4.0
Methyl tert-butyl ether	ND		0.64	4.0
Methylcyclohexane	ND		0.64	4.0
Methylene Chloride	ND		1.8	4.0
Styrene	ND		2.9	4.0
Tetrachloroethene	ND		1.4	4.0
Toluene	ND		2.0	4.0
trans-1,2-Dichloroethene	ND		3.6	4.0
trans-1,3-Dichloropropene	ND		1.5	4.0
Trichloroethene	ND		1.8	4.0
Trichlorofluoromethane	ND		3.5	4.0

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-2**

Lab Sample ID: 480-43118-9 Date Sampled: 08/02/2013 1505
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0713.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 2045			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 2045				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		3.6	4.0
Xylenes, Total	ND		2.6	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	127		66 - 137
4-Bromofluorobenzene (Surr)	102		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-14B**

Lab Sample ID: 480-43118-10 Date Sampled: 08/02/2013 1515
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0714.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 2109			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 2109				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-14B**

Lab Sample ID: 480-43118-10 Date Sampled: 08/02/2013 1515
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0714.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 2109			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 2109				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	126		66 - 137
4-Bromofluorobenzene (Surr)	104		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 480-43118-11 Date Sampled: 08/02/2013 0000
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0715.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 2134			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 2134				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **TRIP BLANK**

Lab Sample ID: 480-43118-11 Date Sampled: 08/02/2013 0000
Client Matrix: Water Date Received: 08/02/2013 1605

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-132975	Instrument ID:	HP5973P
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	P0715.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/08/2013 2134			Final Weight/Volume:	5 mL
Prep Date:	08/08/2013 2134				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	127		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-16**

Lab Sample ID: 480-43118-1 Date Sampled: 08/02/2013 1315
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002991.D
Dilution:	1.0			Initial Weight/Volume:	271.7 mL
Analysis Date:	08/09/2013 1317			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.60	4.6
bis (2-chloroisopropyl) ether	ND		0.48	4.6
2,4,5-Trichlorophenol	ND		0.44	4.6
2,4,6-Trichlorophenol	ND		0.56	4.6
2,4-Dichlorophenol	ND		0.47	4.6
2,4-Dimethylphenol	ND		0.46	4.6
2,4-Dinitrophenol	ND		2.0	9.2
2,4-Dinitrotoluene	ND		0.41	4.6
2,6-Dinitrotoluene	ND		0.37	4.6
2-Chloronaphthalene	ND		0.42	4.6
2-Chlorophenol	ND		0.49	4.6
2-Methylnaphthalene	ND		0.55	4.6
2-Methylphenol	ND		0.37	4.6
2-Nitroaniline	ND		0.39	9.2
2-Nitrophenol	ND		0.44	4.6
3,3'-Dichlorobenzidine	ND		0.37	4.6
3-Nitroaniline	ND	*	0.44	9.2
4,6-Dinitro-2-methylphenol	ND		2.0	9.2
4-Bromophenyl phenyl ether	ND		0.41	4.6
4-Chloro-3-methylphenol	ND		0.41	4.6
4-Chloroaniline	ND	*	0.54	4.6
4-Chlorophenyl phenyl ether	ND		0.32	4.6
4-Methylphenol	ND		0.33	9.2
4-Nitroaniline	ND		0.23	9.2
4-Nitrophenol	ND		1.4	9.2
Acenaphthene	ND		0.38	4.6
Acenaphthylene	ND		0.35	4.6
Acetophenone	1.5	J	0.50	4.6
Anthracene	ND		0.26	4.6
Atrazine	ND		0.42	4.6
Benzaldehyde	0.36	J B *	0.25	4.6
Benzo(a)anthracene	ND		0.33	4.6
Benzo(a)pyrene	ND		0.43	4.6
Benzo(b)fluoranthene	ND		0.31	4.6
Benzo(g,h,i)perylene	ND		0.32	4.6
Benzo(k)fluoranthene	ND		0.67	4.6
Bis(2-chloroethoxy)methane	ND		0.32	4.6
Bis(2-chloroethyl)ether	ND		0.37	4.6
Bis(2-ethylhexyl) phthalate	ND		1.7	4.6
Butyl benzyl phthalate	ND		0.39	4.6
Caprolactam	ND		2.0	4.6
Carbazole	ND		0.28	4.6
Chrysene	ND		0.30	4.6
Di-n-butyl phthalate	1.0	J B	0.29	4.6
Di-n-octyl phthalate	ND		0.43	4.6
Dibenz(a,h)anthracene	ND		0.39	4.6

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-16**

Lab Sample ID: 480-43118-1 Date Sampled: 08/02/2013 1315
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002991.D
Dilution:	1.0			Initial Weight/Volume:	271.7 mL
Analysis Date:	08/09/2013 1317			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.47	9.2
Diethyl phthalate	0.49	J	0.20	4.6
Dimethyl phthalate	ND		0.33	4.6
Fluoranthene	0.41	J B	0.37	4.6
Fluorene	ND		0.33	4.6
Hexachlorobenzene	ND		0.47	4.6
Hexachlorobutadiene	ND		0.63	4.6
Hexachlorocyclopentadiene	ND		0.54	4.6
Hexachloroethane	ND		0.54	4.6
Indeno(1,2,3-cd)pyrene	ND		0.43	4.6
Isophorone	0.43	J	0.40	4.6
N-Nitrosodi-n-propylamine	ND		0.50	4.6
N-Nitrosodiphenylamine	ND		0.47	4.6
Naphthalene	ND		0.70	4.6
Nitrobenzene	ND		0.27	4.6
Pentachlorophenol	ND		2.0	9.2
Phenanthrene	0.83	J B	0.40	4.6
Phenol	ND		0.36	4.6
Pyrene	ND		0.31	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	84		39 - 146
2-Fluorobiphenyl	80		37 - 120
2-Fluorophenol	57		18 - 120
Nitrobenzene-d5	87		34 - 132
p-Terphenyl-d14	58		58 - 147
Phenol-d5	39		11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-23**

Lab Sample ID: 480-43118-2 Date Sampled: 08/02/2013 1345
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002992.D
Dilution:	1.0			Initial Weight/Volume:	266.3 mL
Analysis Date:	08/09/2013 1344			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.61	4.7
bis (2-chloroisopropyl) ether	ND		0.49	4.7
2,4,5-Trichlorophenol	ND		0.45	4.7
2,4,6-Trichlorophenol	ND		0.57	4.7
2,4-Dichlorophenol	ND		0.48	4.7
2,4-Dimethylphenol	ND		0.47	4.7
2,4-Dinitrophenol	ND		2.1	9.4
2,4-Dinitrotoluene	ND		0.42	4.7
2,6-Dinitrotoluene	ND		0.38	4.7
2-Chloronaphthalene	ND		0.43	4.7
2-Chlorophenol	ND		0.50	4.7
2-Methylnaphthalene	ND		0.56	4.7
2-Methylphenol	ND		0.38	4.7
2-Nitroaniline	ND		0.39	9.4
2-Nitrophenol	ND		0.45	4.7
3,3'-Dichlorobenzidine	ND		0.38	4.7
3-Nitroaniline	ND	*	0.45	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	9.4
4-Bromophenyl phenyl ether	ND		0.42	4.7
4-Chloro-3-methylphenol	ND		0.42	4.7
4-Chloroaniline	ND	*	0.55	4.7
4-Chlorophenyl phenyl ether	ND		0.33	4.7
4-Methylphenol	ND		0.34	9.4
4-Nitroaniline	ND		0.23	9.4
4-Nitrophenol	ND		1.4	9.4
Acenaphthene	ND		0.38	4.7
Acenaphthylene	ND		0.36	4.7
Acetophenone	ND		0.51	4.7
Anthracene	ND		0.26	4.7
Atrazine	ND		0.43	4.7
Benzaldehyde	ND	*	0.25	4.7
Benzo(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.44	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.69	4.7
Bis(2-chloroethoxy)methane	ND		0.33	4.7
Bis(2-chloroethyl)ether	ND		0.38	4.7
Bis(2-ethylhexyl) phthalate	ND		1.7	4.7
Butyl benzyl phthalate	ND		0.39	4.7
Caprolactam	ND		2.1	4.7
Carbazole	ND		0.28	4.7
Chrysene	ND		0.31	4.7
Di-n-butyl phthalate	0.50	J B	0.29	4.7
Di-n-octyl phthalate	ND		0.44	4.7
Dibenz(a,h)anthracene	ND		0.39	4.7

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-23**

Lab Sample ID: 480-43118-2 Date Sampled: 08/02/2013 1345
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002992.D
Dilution:	1.0			Initial Weight/Volume:	266.3 mL
Analysis Date:	08/09/2013 1344			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.48	9.4
Diethyl phthalate	0.21	J	0.21	4.7
Dimethyl phthalate	ND		0.34	4.7
Fluoranthene	0.51	J B	0.38	4.7
Fluorene	ND		0.34	4.7
Hexachlorobenzene	ND		0.48	4.7
Hexachlorobutadiene	ND		0.64	4.7
Hexachlorocyclopentadiene	ND		0.55	4.7
Hexachloroethane	ND		0.55	4.7
Indeno(1,2,3-cd)pyrene	ND		0.44	4.7
Isophorone	ND		0.40	4.7
N-Nitrosodi-n-propylamine	ND		0.51	4.7
N-Nitrosodiphenylamine	ND		0.48	4.7
Naphthalene	ND		0.71	4.7
Nitrobenzene	ND		0.27	4.7
Pentachlorophenol	ND		2.1	9.4
Phenanthrene	0.85	J B	0.41	4.7
Phenol	ND		0.37	4.7
Pyrene	ND		0.32	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	80		39 - 146
2-Fluorobiphenyl	75		37 - 120
2-Fluorophenol	55		18 - 120
Nitrobenzene-d5	81		34 - 132
p-Terphenyl-d14	67		58 - 147
Phenol-d5	40		11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-13**

Lab Sample ID: 480-43118-3 Date Sampled: 08/02/2013 1400
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002993.D
Dilution:	1.0			Initial Weight/Volume:	259.7 mL
Analysis Date:	08/09/2013 1412			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.63	4.8
bis (2-chloroisopropyl) ether	ND		0.50	4.8
2,4,5-Trichlorophenol	ND		0.46	4.8
2,4,6-Trichlorophenol	ND		0.59	4.8
2,4-Dichlorophenol	ND		0.49	4.8
2,4-Dimethylphenol	ND		0.48	4.8
2,4-Dinitrophenol	ND		2.1	9.6
2,4-Dinitrotoluene	ND		0.43	4.8
2,6-Dinitrotoluene	ND		0.39	4.8
2-Chloronaphthalene	ND		0.44	4.8
2-Chlorophenol	ND		0.51	4.8
2-Methylnaphthalene	ND		0.58	4.8
2-Methylphenol	ND		0.39	4.8
2-Nitroaniline	ND		0.40	9.6
2-Nitrophenol	ND		0.46	4.8
3,3'-Dichlorobenzidine	ND		0.39	4.8
3-Nitroaniline	ND	*	0.46	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	9.6
4-Bromophenyl phenyl ether	ND		0.43	4.8
4-Chloro-3-methylphenol	ND		0.43	4.8
4-Chloroaniline	ND	*	0.57	4.8
4-Chlorophenyl phenyl ether	ND		0.34	4.8
4-Methylphenol	3.2	J	0.35	9.6
4-Nitroaniline	ND		0.24	9.6
4-Nitrophenol	ND		1.5	9.6
Acenaphthene	ND		0.39	4.8
Acenaphthylene	ND		0.37	4.8
Acetophenone	ND		0.52	4.8
Anthracene	0.82	J	0.27	4.8
Atrazine	ND		0.44	4.8
Benzaldehyde	0.86	J B *	0.26	4.8
Benzo(a)anthracene	ND		0.35	4.8
Benzo(a)pyrene	ND		0.45	4.8
Benzo(b)fluoranthene	ND		0.33	4.8
Benzo(g,h,i)perylene	ND		0.34	4.8
Benzo(k)fluoranthene	ND		0.70	4.8
Bis(2-chloroethoxy)methane	ND		0.34	4.8
Bis(2-chloroethyl)ether	ND		0.39	4.8
Bis(2-ethylhexyl) phthalate	ND		1.7	4.8
Butyl benzyl phthalate	ND		0.40	4.8
Caprolactam	ND		2.1	4.8
Carbazole	ND		0.29	4.8
Chrysene	ND		0.32	4.8
Di-n-butyl phthalate	0.48	J B	0.30	4.8
Di-n-octyl phthalate	ND		0.45	4.8
Dibenz(a,h)anthracene	ND		0.40	4.8

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-13**

Lab Sample ID: 480-43118-3 Date Sampled: 08/02/2013 1400
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002993.D
Dilution:	1.0			Initial Weight/Volume:	259.7 mL
Analysis Date:	08/09/2013 1412			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.49	9.6
Diethyl phthalate	ND		0.21	4.8
Dimethyl phthalate	ND		0.35	4.8
Fluoranthene	0.51	J B	0.39	4.8
Fluorene	ND		0.35	4.8
Hexachlorobenzene	ND		0.49	4.8
Hexachlorobutadiene	ND		0.65	4.8
Hexachlorocyclopentadiene	ND		0.57	4.8
Hexachloroethane	ND		0.57	4.8
Indeno(1,2,3-cd)pyrene	ND		0.45	4.8
Isophorone	ND		0.41	4.8
N-Nitrosodi-n-propylamine	ND		0.52	4.8
N-Nitrosodiphenylamine	ND		0.49	4.8
Naphthalene	ND		0.73	4.8
Nitrobenzene	ND		0.28	4.8
Pentachlorophenol	ND		2.1	9.6
Phenanthrene	0.84	J B	0.42	4.8
Phenol	ND		0.38	4.8
Pyrene	0.36	J	0.33	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	85		39 - 146
2-Fluorobiphenyl	84		37 - 120
2-Fluorophenol	62		18 - 120
Nitrobenzene-d5	88		34 - 132
p-Terphenyl-d14	85		58 - 147
Phenol-d5	46		11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-24**

Lab Sample ID: 480-43118-4 Date Sampled: 08/02/2013 1415
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002994.D
Dilution:	1.0			Initial Weight/Volume:	268.5 mL
Analysis Date:	08/09/2013 1440			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.61	4.7
bis (2-chloroisopropyl) ether	ND		0.48	4.7
2,4,5-Trichlorophenol	ND		0.45	4.7
2,4,6-Trichlorophenol	ND		0.57	4.7
2,4-Dichlorophenol	ND		0.47	4.7
2,4-Dimethylphenol	ND		0.47	4.7
2,4-Dinitrophenol	ND		2.1	9.3
2,4-Dinitrotoluene	ND		0.42	4.7
2,6-Dinitrotoluene	ND		0.37	4.7
2-Chloronaphthalene	ND		0.43	4.7
2-Chlorophenol	ND		0.49	4.7
2-Methylnaphthalene	ND		0.56	4.7
2-Methylphenol	ND		0.37	4.7
2-Nitroaniline	ND		0.39	9.3
2-Nitrophenol	ND		0.45	4.7
3,3'-Dichlorobenzidine	ND		0.37	4.7
3-Nitroaniline	ND	*	0.45	9.3
4,6-Dinitro-2-methylphenol	ND		2.0	9.3
4-Bromophenyl phenyl ether	ND		0.42	4.7
4-Chloro-3-methylphenol	ND		0.42	4.7
4-Chloroaniline	ND	*	0.55	4.7
4-Chlorophenyl phenyl ether	ND		0.33	4.7
4-Methylphenol	ND		0.34	9.3
4-Nitroaniline	ND		0.23	9.3
4-Nitrophenol	ND		1.4	9.3
Acenaphthene	ND		0.38	4.7
Acenaphthylene	ND		0.35	4.7
Acetophenone	ND		0.50	4.7
Anthracene	0.97	J	0.26	4.7
Atrazine	ND		0.43	4.7
Benzaldehyde	0.29	J B *	0.25	4.7
Benzo(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.44	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.68	4.7
Bis(2-chloroethoxy)methane	ND		0.33	4.7
Bis(2-chloroethyl)ether	ND		0.37	4.7
Bis(2-ethylhexyl) phthalate	3.1	J	1.7	4.7
Butyl benzyl phthalate	ND		0.39	4.7
Caprolactam	ND		2.0	4.7
Carbazole	ND		0.28	4.7
Chrysene	ND		0.31	4.7
Di-n-butyl phthalate	0.72	J B	0.29	4.7
Di-n-octyl phthalate	ND		0.44	4.7
Dibenz(a,h)anthracene	ND		0.39	4.7

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-24**

Lab Sample ID: 480-43118-4 Date Sampled: 08/02/2013 1415
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002994.D
Dilution:	1.0			Initial Weight/Volume:	268.5 mL
Analysis Date:	08/09/2013 1440			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.47	9.3
Diethyl phthalate	0.33	J	0.20	4.7
Dimethyl phthalate	ND		0.34	4.7
Fluoranthene	0.43	J B	0.37	4.7
Fluorene	ND		0.34	4.7
Hexachlorobenzene	ND		0.47	4.7
Hexachlorobutadiene	ND		0.63	4.7
Hexachlorocyclopentadiene	ND		0.55	4.7
Hexachloroethane	ND		0.55	4.7
Indeno(1,2,3-cd)pyrene	ND		0.44	4.7
Isophorone	ND		0.40	4.7
N-Nitrosodi-n-propylamine	ND		0.50	4.7
N-Nitrosodiphenylamine	ND		0.47	4.7
Naphthalene	ND		0.71	4.7
Nitrobenzene	ND		0.27	4.7
Pentachlorophenol	ND		2.0	9.3
Phenanthrene	1.0	J B	0.41	4.7
Phenol	ND		0.36	4.7
Pyrene	ND		0.32	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	89		39 - 146
2-Fluorobiphenyl	81		37 - 120
2-Fluorophenol	61		18 - 120
Nitrobenzene-d5	86		34 - 132
p-Terphenyl-d14	69		58 - 147
Phenol-d5	43		11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-25**

Lab Sample ID: 480-43118-5 Date Sampled: 08/02/2013 1420
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-132871	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132679	Lab File ID:	W002956.D
Dilution:	5.0			Initial Weight/Volume:	272.8 mL
Analysis Date:	08/08/2013 0613			Final Weight/Volume:	1 mL
Prep Date:	08/07/2013 0617			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		3.0	23
bis (2-chloroisopropyl) ether	ND		2.4	23
2,4,5-Trichlorophenol	ND		2.2	23
2,4,6-Trichlorophenol	ND		2.8	23
2,4-Dichlorophenol	ND		2.3	23
2,4-Dimethylphenol	420	E	2.3	23
2,4-Dinitrophenol	ND		10	46
2,4-Dinitrotoluene	ND		2.0	23
2,6-Dinitrotoluene	ND		1.8	23
2-Chloronaphthalene	ND		2.1	23
2-Chlorophenol	10	J	2.4	23
2-Methylnaphthalene	ND		2.7	23
2-Methylphenol	61		1.8	23
2-Nitroaniline	ND		1.9	46
2-Nitrophenol	ND		2.2	23
3,3'-Dichlorobenzidine	ND		1.8	23
3-Nitroaniline	ND	*	2.2	46
4,6-Dinitro-2-methylphenol	ND		10	46
4-Bromophenyl phenyl ether	ND		2.1	23
4-Chloro-3-methylphenol	ND		2.1	23
4-Chloroaniline	ND	*	2.7	23
4-Chlorophenyl phenyl ether	ND		1.6	23
4-Methylphenol	540	E	1.6	46
4-Nitroaniline	ND		1.1	46
4-Nitrophenol	ND		7.0	46
Acenaphthene	ND		1.9	23
Acenaphthylene	ND		1.7	23
Acetophenone	ND		2.5	23
Anthracene	ND		1.3	23
Atrazine	ND		2.1	23
Benzaldehyde	8.4	J	1.2	23
Benzo(a)anthracene	ND		1.6	23
Benzo(a)pyrene	ND		2.2	23
Benzo(b)fluoranthene	ND		1.6	23
Benzo(g,h,i)perylene	ND		1.6	23
Benzo(k)fluoranthene	ND		3.3	23
Bis(2-chloroethoxy)methane	ND		1.6	23
Bis(2-chloroethyl)ether	ND		1.8	23
Bis(2-ethylhexyl) phthalate	ND		8.2	23
Butyl benzyl phthalate	ND		1.9	23
Caprolactam	ND		10	23
Carbazole	ND		1.4	23
Chrysene	ND		1.5	23
Di-n-butyl phthalate	ND		1.4	23
Di-n-octyl phthalate	ND		2.2	23
Dibenz(a,h)anthracene	ND		1.9	23

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-25**

Lab Sample ID: 480-43118-5 Date Sampled: 08/02/2013 1420
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-132871	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132679	Lab File ID:	W002956.D
Dilution:	5.0			Initial Weight/Volume:	272.8 mL
Analysis Date:	08/08/2013 0613			Final Weight/Volume:	1 mL
Prep Date:	08/07/2013 0617			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		2.3	46
Diethyl phthalate	ND		1.0	23
Dimethyl phthalate	ND		1.6	23
Fluoranthene	ND		1.8	23
Fluorene	ND		1.6	23
Hexachlorobenzene	ND		2.3	23
Hexachlorobutadiene	ND		3.1	23
Hexachlorocyclopentadiene	ND		2.7	23
Hexachloroethane	ND		2.7	23
Indeno(1,2,3-cd)pyrene	ND		2.2	23
Isophorone	ND		2.0	23
N-Nitrosodi-n-propylamine	ND		2.5	23
N-Nitrosodiphenylamine	ND		2.3	23
Naphthalene	27		3.5	23
Nitrobenzene	ND		1.3	23
Pentachlorophenol	ND		10	46
Phenanthrene	ND		2.0	23
Phenol	43		1.8	23
Pyrene	ND		1.6	23

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	67		39 - 146
2-Fluorobiphenyl	84		37 - 120
2-Fluorophenol	49		18 - 120
Nitrobenzene-d5	75		34 - 132
p-Terphenyl-d14	77		58 - 147
Phenol-d5	1	X	11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-25**

Lab Sample ID: 480-43118-5 Date Sampled: 08/02/2013 1420
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-132871	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132679	Lab File ID:	W002962.D
Dilution:	25			Initial Weight/Volume:	272.8 mL
Analysis Date:	08/08/2013 0956	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	08/07/2013 0617			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		15	110
bis (2-chloroisopropyl) ether	ND		12	110
2,4,5-Trichlorophenol	ND		11	110
2,4,6-Trichlorophenol	ND		14	110
2,4-Dichlorophenol	ND		12	110
2,4-Dimethylphenol	430		11	110
2,4-Dinitrophenol	ND		51	230
2,4-Dinitrotoluene	ND		10	110
2,6-Dinitrotoluene	ND		9.2	110
2-Chloronaphthalene	ND		11	110
2-Chlorophenol	ND		12	110
2-Methylnaphthalene	ND		14	110
2-Methylphenol	60	J	9.2	110
2-Nitroaniline	ND		9.6	230
2-Nitrophenol	ND		11	110
3,3'-Dichlorobenzidine	ND		9.2	110
3-Nitroaniline	ND	*	11	230
4,6-Dinitro-2-methylphenol	ND		50	230
4-Bromophenyl phenyl ether	ND		10	110
4-Chloro-3-methylphenol	29	J	10	110
4-Chloroaniline	ND	*	14	110
4-Chlorophenyl phenyl ether	ND		8.0	110
4-Methylphenol	520		8.2	230
4-Nitroaniline	ND		5.7	230
4-Nitrophenol	ND		35	230
Acenaphthene	ND		9.4	110
Acenaphthylene	ND		8.7	110
Acetophenone	ND		12	110
Anthracene	ND		6.4	110
Atrazine	ND		11	110
Benzaldehyde	8.7	J	6.1	110
Benzo(a)anthracene	ND		8.2	110
Benzo(a)pyrene	ND		11	110
Benzo(b)fluoranthene	ND		7.8	110
Benzo(g,h,i)perylene	ND		8.0	110
Benzo(k)fluoranthene	ND		17	110
Bis(2-chloroethoxy)methane	ND		8.0	110
Bis(2-chloroethyl)ether	ND		9.2	110
Bis(2-ethylhexyl) phthalate	ND		41	110
Butyl benzyl phthalate	ND		9.6	110
Caprolactam	ND		50	110
Carbazole	ND		6.9	110
Chrysene	ND		7.6	110
Di-n-butyl phthalate	ND		7.1	110
Di-n-octyl phthalate	ND		11	110
Dibenz(a,h)anthracene	ND		9.6	110

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-25**

Lab Sample ID: 480-43118-5 Date Sampled: 08/02/2013 1420
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-132871	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132679	Lab File ID:	W002962.D
Dilution:	25			Initial Weight/Volume:	272.8 mL
Analysis Date:	08/08/2013 0956	Run Type:	DL	Final Weight/Volume:	1 mL
Prep Date:	08/07/2013 0617			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		12	230
Diethyl phthalate	ND		5.0	110
Dimethyl phthalate	ND		8.2	110
Fluoranthene	ND		9.2	110
Fluorene	ND		8.2	110
Hexachlorobenzene	ND		12	110
Hexachlorobutadiene	ND		16	110
Hexachlorocyclopentadiene	ND		14	110
Hexachloroethane	ND		14	110
Indeno(1,2,3-cd)pyrene	ND		11	110
Isophorone	ND		9.9	110
N-Nitrosodi-n-propylamine	ND		12	110
N-Nitrosodiphenylamine	ND		12	110
Naphthalene	40	J	17	110
Nitrobenzene	89	J	6.6	110
Pentachlorophenol	ND		50	230
Phenanthrene	ND		10	110
Phenol	48	J	8.9	110
Pyrene	ND		7.8	110

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	56		39 - 146
2-Fluorobiphenyl	71		37 - 120
2-Fluorophenol	49		18 - 120
Nitrobenzene-d5	62		34 - 132
p-Terphenyl-d14	84		58 - 147
Phenol-d5	39		11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-22**

Lab Sample ID: 480-43118-6 Date Sampled: 08/02/2013 1430
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002995.D
Dilution:	1.0			Initial Weight/Volume:	272.4 mL
Analysis Date:	08/09/2013 1508			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.60	4.6
bis (2-chloroisopropyl) ether	ND		0.48	4.6
2,4,5-Trichlorophenol	ND		0.44	4.6
2,4,6-Trichlorophenol	ND		0.56	4.6
2,4-Dichlorophenol	ND		0.47	4.6
2,4-Dimethylphenol	ND		0.46	4.6
2,4-Dinitrophenol	ND		2.0	9.2
2,4-Dinitrotoluene	ND		0.41	4.6
2,6-Dinitrotoluene	ND		0.37	4.6
2-Chloronaphthalene	ND		0.42	4.6
2-Chlorophenol	ND		0.49	4.6
2-Methylnaphthalene	ND		0.55	4.6
2-Methylphenol	ND		0.37	4.6
2-Nitroaniline	ND		0.39	9.2
2-Nitrophenol	ND		0.44	4.6
3,3'-Dichlorobenzidine	ND		0.37	4.6
3-Nitroaniline	ND	*	0.44	9.2
4,6-Dinitro-2-methylphenol	ND		2.0	9.2
4-Bromophenyl phenyl ether	ND		0.41	4.6
4-Chloro-3-methylphenol	ND		0.41	4.6
4-Chloroaniline	ND	*	0.54	4.6
4-Chlorophenyl phenyl ether	ND		0.32	4.6
4-Methylphenol	ND		0.33	9.2
4-Nitroaniline	ND		0.23	9.2
4-Nitrophenol	ND		1.4	9.2
Acenaphthene	ND		0.38	4.6
Acenaphthylene	ND		0.35	4.6
Acetophenone	ND		0.50	4.6
Anthracene	ND		0.26	4.6
Atrazine	ND		0.42	4.6
Benzaldehyde	0.28	J B *	0.25	4.6
Benzo(a)anthracene	ND		0.33	4.6
Benzo(a)pyrene	ND		0.43	4.6
Benzo(b)fluoranthene	ND		0.31	4.6
Benzo(g,h,i)perylene	ND		0.32	4.6
Benzo(k)fluoranthene	ND		0.67	4.6
Bis(2-chloroethoxy)methane	ND		0.32	4.6
Bis(2-chloroethyl)ether	ND		0.37	4.6
Bis(2-ethylhexyl) phthalate	ND		1.7	4.6
Butyl benzyl phthalate	ND		0.39	4.6
Caprolactam	ND		2.0	4.6
Carbazole	ND		0.28	4.6
Chrysene	ND		0.30	4.6
Di-n-butyl phthalate	ND		0.28	4.6
Di-n-octyl phthalate	ND		0.43	4.6
Dibenz(a,h)anthracene	ND		0.39	4.6

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-22**

Lab Sample ID: 480-43118-6 Date Sampled: 08/02/2013 1430
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002995.D
Dilution:	1.0			Initial Weight/Volume:	272.4 mL
Analysis Date:	08/09/2013 1508			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.47	9.2
Diethyl phthalate	0.57	J	0.20	4.6
Dimethyl phthalate	ND		0.33	4.6
Fluoranthene	0.39	J B	0.37	4.6
Fluorene	ND		0.33	4.6
Hexachlorobenzene	ND		0.47	4.6
Hexachlorobutadiene	ND		0.62	4.6
Hexachlorocyclopentadiene	ND		0.54	4.6
Hexachloroethane	ND		0.54	4.6
Indeno(1,2,3-cd)pyrene	ND		0.43	4.6
Isophorone	ND		0.39	4.6
N-Nitrosodi-n-propylamine	ND		0.50	4.6
N-Nitrosodiphenylamine	ND		0.47	4.6
Naphthalene	ND		0.70	4.6
Nitrobenzene	ND		0.27	4.6
Pentachlorophenol	ND		2.0	9.2
Phenanthrene	0.80	J B	0.40	4.6
Phenol	ND		0.36	4.6
Pyrene	ND		0.31	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	85		39 - 146
2-Fluorobiphenyl	88		37 - 120
2-Fluorophenol	54		18 - 120
Nitrobenzene-d5	92		34 - 132
p-Terphenyl-d14	86		58 - 147
Phenol-d5	36		11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-21**

Lab Sample ID: 480-43118-7 Date Sampled: 08/02/2013 1440
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002996.D
Dilution:	1.0			Initial Weight/Volume:	272.6 mL
Analysis Date:	08/09/2013 1536			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.60	4.6
bis (2-chloroisopropyl) ether	ND		0.48	4.6
2,4,5-Trichlorophenol	ND		0.44	4.6
2,4,6-Trichlorophenol	ND		0.56	4.6
2,4-Dichlorophenol	ND		0.47	4.6
2,4-Dimethylphenol	ND		0.46	4.6
2,4-Dinitrophenol	ND		2.0	9.2
2,4-Dinitrotoluene	ND		0.41	4.6
2,6-Dinitrotoluene	ND		0.37	4.6
2-Chloronaphthalene	ND		0.42	4.6
2-Chlorophenol	ND		0.49	4.6
2-Methylnaphthalene	ND		0.55	4.6
2-Methylphenol	ND		0.37	4.6
2-Nitroaniline	ND		0.39	9.2
2-Nitrophenol	ND		0.44	4.6
3,3'-Dichlorobenzidine	ND		0.37	4.6
3-Nitroaniline	ND	*	0.44	9.2
4,6-Dinitro-2-methylphenol	ND		2.0	9.2
4-Bromophenyl phenyl ether	ND		0.41	4.6
4-Chloro-3-methylphenol	ND		0.41	4.6
4-Chloroaniline	ND	*	0.54	4.6
4-Chlorophenyl phenyl ether	ND		0.32	4.6
4-Methylphenol	ND		0.33	9.2
4-Nitroaniline	ND		0.23	9.2
4-Nitrophenol	ND		1.4	9.2
Acenaphthene	ND		0.38	4.6
Acenaphthylene	ND		0.35	4.6
Acetophenone	ND		0.50	4.6
Anthracene	ND		0.26	4.6
Atrazine	ND		0.42	4.6
Benzaldehyde	ND	*	0.24	4.6
Benzo(a)anthracene	ND		0.33	4.6
Benzo(a)pyrene	ND		0.43	4.6
Benzo(b)fluoranthene	ND		0.31	4.6
Benzo(g,h,i)perylene	ND		0.32	4.6
Benzo(k)fluoranthene	ND		0.67	4.6
Bis(2-chloroethoxy)methane	ND		0.32	4.6
Bis(2-chloroethyl)ether	ND		0.37	4.6
Bis(2-ethylhexyl) phthalate	2.8	J	1.7	4.6
Butyl benzyl phthalate	ND		0.39	4.6
Caprolactam	ND		2.0	4.6
Carbazole	ND		0.28	4.6
Chrysene	ND		0.30	4.6
Di-n-butyl phthalate	0.59	J B	0.28	4.6
Di-n-octyl phthalate	ND		0.43	4.6
Dibenz(a,h)anthracene	ND		0.39	4.6

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-21**

Lab Sample ID: 480-43118-7 Date Sampled: 08/02/2013 1440
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002996.D
Dilution:	1.0			Initial Weight/Volume:	272.6 mL
Analysis Date:	08/09/2013 1536			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.47	9.2
Diethyl phthalate	ND		0.20	4.6
Dimethyl phthalate	ND		0.33	4.6
Fluoranthene	ND		0.37	4.6
Fluorene	ND		0.33	4.6
Hexachlorobenzene	ND		0.47	4.6
Hexachlorobutadiene	ND		0.62	4.6
Hexachlorocyclopentadiene	ND		0.54	4.6
Hexachloroethane	ND		0.54	4.6
Indeno(1,2,3-cd)pyrene	ND		0.43	4.6
Isophorone	ND		0.39	4.6
N-Nitrosodi-n-propylamine	ND		0.50	4.6
N-Nitrosodiphenylamine	ND		0.47	4.6
Naphthalene	ND		0.70	4.6
Nitrobenzene	ND		0.27	4.6
Pentachlorophenol	ND		2.0	9.2
Phenanthrene	0.91	J B	0.40	4.6
Phenol	2.5	J	0.36	4.6
Pyrene	ND		0.31	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	87		39 - 146
2-Fluorobiphenyl	86		37 - 120
2-Fluorophenol	57		18 - 120
Nitrobenzene-d5	91		34 - 132
p-Terphenyl-d14	59		58 - 147
Phenol-d5	39		11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-1**

Lab Sample ID: 480-43118-8 Date Sampled: 08/02/2013 1450
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002997.D
Dilution:	1.0			Initial Weight/Volume:	258.5 mL
Analysis Date:	08/09/2013 1603			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.63	4.8
bis (2-chloroisopropyl) ether	ND		0.50	4.8
2,4,5-Trichlorophenol	ND		0.46	4.8
2,4,6-Trichlorophenol	ND		0.59	4.8
2,4-Dichlorophenol	ND		0.49	4.8
2,4-Dimethylphenol	ND		0.48	4.8
2,4-Dinitrophenol	ND		2.1	9.7
2,4-Dinitrotoluene	ND		0.43	4.8
2,6-Dinitrotoluene	ND		0.39	4.8
2-Chloronaphthalene	ND		0.44	4.8
2-Chlorophenol	ND		0.51	4.8
2-Methylnaphthalene	ND		0.58	4.8
2-Methylphenol	ND		0.39	4.8
2-Nitroaniline	ND		0.41	9.7
2-Nitrophenol	ND		0.46	4.8
3,3'-Dichlorobenzidine	ND		0.39	4.8
3-Nitroaniline	ND	*	0.46	9.7
4,6-Dinitro-2-methylphenol	ND		2.1	9.7
4-Bromophenyl phenyl ether	ND		0.44	4.8
4-Chloro-3-methylphenol	ND		0.44	4.8
4-Chloroaniline	ND	*	0.57	4.8
4-Chlorophenyl phenyl ether	ND		0.34	4.8
4-Methylphenol	ND		0.35	9.7
4-Nitroaniline	ND		0.24	9.7
4-Nitrophenol	ND		1.5	9.7
Acenaphthene	ND		0.40	4.8
Acenaphthylene	ND		0.37	4.8
Acetophenone	ND		0.52	4.8
Anthracene	ND		0.27	4.8
Atrazine	ND		0.44	4.8
Benzaldehyde	0.30	J B *	0.26	4.8
Benzo(a)anthracene	ND		0.35	4.8
Benzo(a)pyrene	ND		0.45	4.8
Benzo(b)fluoranthene	ND		0.33	4.8
Benzo(g,h,i)perylene	ND		0.34	4.8
Benzo(k)fluoranthene	ND		0.71	4.8
Bis(2-chloroethoxy)methane	ND		0.34	4.8
Bis(2-chloroethyl)ether	ND		0.39	4.8
Bis(2-ethylhexyl) phthalate	ND		1.7	4.8
Butyl benzyl phthalate	ND		0.41	4.8
Caprolactam	ND		2.1	4.8
Carbazole	ND		0.29	4.8
Chrysene	ND		0.32	4.8
Di-n-butyl phthalate	0.67	J B	0.30	4.8
Di-n-octyl phthalate	ND		0.45	4.8
Dibenz(a,h)anthracene	ND		0.41	4.8

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-1**

Lab Sample ID: 480-43118-8 Date Sampled: 08/02/2013 1450
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002997.D
Dilution:	1.0			Initial Weight/Volume:	258.5 mL
Analysis Date:	08/09/2013 1603			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.49	9.7
Diethyl phthalate	ND		0.21	4.8
Dimethyl phthalate	ND		0.35	4.8
Fluoranthene	ND		0.39	4.8
Fluorene	ND		0.35	4.8
Hexachlorobenzene	ND		0.49	4.8
Hexachlorobutadiene	ND		0.66	4.8
Hexachlorocyclopentadiene	ND		0.57	4.8
Hexachloroethane	ND		0.57	4.8
Indeno(1,2,3-cd)pyrene	ND		0.45	4.8
Isophorone	ND		0.42	4.8
N-Nitrosodi-n-propylamine	ND		0.52	4.8
N-Nitrosodiphenylamine	ND		0.49	4.8
Naphthalene	ND		0.74	4.8
Nitrobenzene	ND		0.28	4.8
Pentachlorophenol	ND		2.1	9.7
Phenanthrene	0.78	J B	0.43	4.8
Phenol	ND		0.38	4.8
Pyrene	ND		0.33	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	85		39 - 146
2-Fluorobiphenyl	82		37 - 120
2-Fluorophenol	57		18 - 120
Nitrobenzene-d5	84		34 - 132
p-Terphenyl-d14	95		58 - 147
Phenol-d5	40		11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-2**

Lab Sample ID: 480-43118-9 Date Sampled: 08/02/2013 1505
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002998.D
Dilution:	1.0			Initial Weight/Volume:	270.7 mL
Analysis Date:	08/09/2013 1630			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.60	4.6
bis (2-chloroisopropyl) ether	ND		0.48	4.6
2,4,5-Trichlorophenol	ND		0.44	4.6
2,4,6-Trichlorophenol	ND		0.56	4.6
2,4-Dichlorophenol	ND		0.47	4.6
2,4-Dimethylphenol	ND		0.46	4.6
2,4-Dinitrophenol	ND		2.1	9.2
2,4-Dinitrotoluene	ND		0.41	4.6
2,6-Dinitrotoluene	ND		0.37	4.6
2-Chloronaphthalene	ND		0.42	4.6
2-Chlorophenol	ND		0.49	4.6
2-Methylnaphthalene	ND		0.55	4.6
2-Methylphenol	ND		0.37	4.6
2-Nitroaniline	ND		0.39	9.2
2-Nitrophenol	ND		0.44	4.6
3,3'-Dichlorobenzidine	ND		0.37	4.6
3-Nitroaniline	ND	*	0.44	9.2
4,6-Dinitro-2-methylphenol	ND		2.0	9.2
4-Bromophenyl phenyl ether	ND		0.42	4.6
4-Chloro-3-methylphenol	ND		0.42	4.6
4-Chloroaniline	ND	*	0.54	4.6
4-Chlorophenyl phenyl ether	ND		0.32	4.6
4-Methylphenol	ND		0.33	9.2
4-Nitroaniline	ND		0.23	9.2
4-Nitrophenol	ND		1.4	9.2
Acenaphthene	ND		0.38	4.6
Acenaphthylene	ND		0.35	4.6
Acetophenone	ND		0.50	4.6
Anthracene	ND		0.26	4.6
Atrazine	ND		0.42	4.6
Benzaldehyde	ND	*	0.25	4.6
Benzo(a)anthracene	ND		0.33	4.6
Benzo(a)pyrene	ND		0.43	4.6
Benzo(b)fluoranthene	ND		0.31	4.6
Benzo(g,h,i)perylene	ND		0.32	4.6
Benzo(k)fluoranthene	ND		0.67	4.6
Bis(2-chloroethoxy)methane	ND		0.32	4.6
Bis(2-chloroethyl)ether	ND		0.37	4.6
Bis(2-ethylhexyl) phthalate	ND		1.7	4.6
Butyl benzyl phthalate	ND		0.39	4.6
Caprolactam	ND		2.0	4.6
Carbazole	ND		0.28	4.6
Chrysene	ND		0.30	4.6
Di-n-butyl phthalate	0.47	J B	0.29	4.6
Di-n-octyl phthalate	ND		0.43	4.6
Dibenz(a,h)anthracene	ND		0.39	4.6

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-2**

Lab Sample ID: 480-43118-9 Date Sampled: 08/02/2013 1505
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002998.D
Dilution:	1.0			Initial Weight/Volume:	270.7 mL
Analysis Date:	08/09/2013 1630			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.47	9.2
Diethyl phthalate	ND		0.20	4.6
Dimethyl phthalate	ND		0.33	4.6
Fluoranthene	ND		0.37	4.6
Fluorene	ND		0.33	4.6
Hexachlorobenzene	ND		0.47	4.6
Hexachlorobutadiene	ND		0.63	4.6
Hexachlorocyclopentadiene	ND		0.54	4.6
Hexachloroethane	ND		0.54	4.6
Indeno(1,2,3-cd)pyrene	ND		0.43	4.6
Isophorone	ND		0.40	4.6
N-Nitrosodi-n-propylamine	ND		0.50	4.6
N-Nitrosodiphenylamine	ND		0.47	4.6
Naphthalene	ND		0.70	4.6
Nitrobenzene	0.89	J	0.27	4.6
Pentachlorophenol	ND		2.0	9.2
Phenanthrene	ND		0.41	4.6
Phenol	ND		0.36	4.6
Pyrene	ND		0.31	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	75		39 - 146
2-Fluorobiphenyl	77		37 - 120
2-Fluorophenol	54		18 - 120
Nitrobenzene-d5	80		34 - 132
p-Terphenyl-d14	96		58 - 147
Phenol-d5	41		11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-14B**

Lab Sample ID: 480-43118-10 Date Sampled: 08/02/2013 1515
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002999.D
Dilution:	1.0			Initial Weight/Volume:	265 mL
Analysis Date:	08/09/2013 1657			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.62	4.7
bis (2-chloroisopropyl) ether	ND		0.49	4.7
2,4,5-Trichlorophenol	ND		0.45	4.7
2,4,6-Trichlorophenol	ND		0.58	4.7
2,4-Dichlorophenol	ND		0.48	4.7
2,4-Dimethylphenol	ND		0.47	4.7
2,4-Dinitrophenol	ND		2.1	9.4
2,4-Dinitrotoluene	ND		0.42	4.7
2,6-Dinitrotoluene	ND		0.38	4.7
2-Chloronaphthalene	ND		0.43	4.7
2-Chlorophenol	ND		0.50	4.7
2-Methylnaphthalene	ND		0.57	4.7
2-Methylphenol	ND		0.38	4.7
2-Nitroaniline	ND		0.40	9.4
2-Nitrophenol	ND		0.45	4.7
3,3'-Dichlorobenzidine	ND		0.38	4.7
3-Nitroaniline	ND	*	0.45	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	9.4
4-Bromophenyl phenyl ether	ND		0.42	4.7
4-Chloro-3-methylphenol	ND		0.42	4.7
4-Chloroaniline	ND	*	0.56	4.7
4-Chlorophenyl phenyl ether	ND		0.33	4.7
4-Methylphenol	ND		0.34	9.4
4-Nitroaniline	ND		0.24	9.4
4-Nitrophenol	ND		1.4	9.4
Acenaphthene	ND		0.39	4.7
Acenaphthylene	ND		0.36	4.7
Acetophenone	ND		0.51	4.7
Anthracene	ND		0.26	4.7
Atrazine	ND		0.43	4.7
Benzaldehyde	ND	*	0.25	4.7
Benzo(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.44	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.69	4.7
Bis(2-chloroethoxy)methane	ND		0.33	4.7
Bis(2-chloroethyl)ether	ND		0.38	4.7
Bis(2-ethylhexyl) phthalate	ND		1.7	4.7
Butyl benzyl phthalate	ND		0.40	4.7
Caprolactam	ND		2.1	4.7
Carbazole	ND		0.28	4.7
Chrysene	ND		0.31	4.7
Di-n-butyl phthalate	0.75	J B	0.29	4.7
Di-n-octyl phthalate	ND		0.44	4.7
Dibenz(a,h)anthracene	ND		0.40	4.7

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-14B**

Lab Sample ID: 480-43118-10 Date Sampled: 08/02/2013 1515
Client Matrix: Water Date Received: 08/02/2013 1605

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-133115	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-132301	Lab File ID:	W002999.D
Dilution:	1.0			Initial Weight/Volume:	265 mL
Analysis Date:	08/09/2013 1657			Final Weight/Volume:	1 mL
Prep Date:	08/05/2013 0723			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.48	9.4
Diethyl phthalate	ND		0.21	4.7
Dimethyl phthalate	ND		0.34	4.7
Fluoranthene	ND		0.38	4.7
Fluorene	ND		0.34	4.7
Hexachlorobenzene	ND		0.48	4.7
Hexachlorobutadiene	ND		0.64	4.7
Hexachlorocyclopentadiene	ND		0.56	4.7
Hexachloroethane	ND		0.56	4.7
Indeno(1,2,3-cd)pyrene	ND		0.44	4.7
Isophorone	ND		0.41	4.7
N-Nitrosodi-n-propylamine	ND		0.51	4.7
N-Nitrosodiphenylamine	ND		0.48	4.7
Naphthalene	ND		0.72	4.7
Nitrobenzene	ND		0.27	4.7
Pentachlorophenol	ND		2.1	9.4
Phenanthrene	ND		0.42	4.7
Phenol	ND		0.37	4.7
Pyrene	ND		0.32	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	72		39 - 146
2-Fluorobiphenyl	85		37 - 120
2-Fluorophenol	61		18 - 120
Nitrobenzene-d5	90		34 - 132
p-Terphenyl-d14	103		58 - 147
Phenol-d5	41		11 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-16**

Lab Sample ID: 480-43118-1 Date Sampled: 08/02/2013 1315
Client Matrix: Water Date Received: 08/02/2013 1605

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-132512	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-132305	Initial Weight/Volume:	269.7 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/06/2013 1306			Injection Volume:	1 uL
Prep Date:	08/05/2013 0739			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.087		0.0085	0.046
4,4'-DDE	ND		0.011	0.046
4,4'-DDT	0.16		0.010	0.046
Aldrin	0.085		0.0061	0.046
alpha-BHC	ND		0.0061	0.046
alpha-Chlordane	0.10		0.014	0.046
beta-BHC	0.084		0.023	0.046
delta-BHC	0.096		0.0093	0.046
Dieldrin	0.089		0.0091	0.046
Endosulfan I	0.10		0.010	0.046
Endosulfan II	0.18		0.011	0.046
Endosulfan sulfate	0.050		0.015	0.046
Endrin	ND		0.013	0.046
Endrin aldehyde	0.13		0.015	0.046
Endrin ketone	ND		0.011	0.046
gamma-BHC (Lindane)	0.058		0.0056	0.046
gamma-Chlordane	0.011	J	0.010	0.046
Heptachlor	ND		0.0079	0.046
Heptachlor epoxide	ND		0.0049	0.046
Methoxychlor	0.027	J	0.013	0.046
Toxaphene	ND		0.11	0.46

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	38		20 - 120
Tetrachloro-m-xylene	143	X	36 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-23**

Lab Sample ID: 480-43118-2 Date Sampled: 08/02/2013 1345
Client Matrix: Water Date Received: 08/02/2013 1605

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-132512	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-132305	Initial Weight/Volume:	273 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/06/2013 1323			Injection Volume:	1 uL
Prep Date:	08/05/2013 0739			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0084	0.046
4,4'-DDE	ND		0.011	0.046
4,4'-DDT	ND		0.010	0.046
Aldrin	ND		0.0060	0.046
alpha-BHC	0.0093	J	0.0060	0.046
alpha-Chlordane	ND		0.014	0.046
beta-BHC	ND		0.023	0.046
delta-BHC	ND		0.0092	0.046
Dieldrin	ND		0.0090	0.046
Endosulfan I	ND		0.010	0.046
Endosulfan II	ND		0.011	0.046
Endosulfan sulfate	ND		0.014	0.046
Endrin	ND		0.013	0.046
Endrin aldehyde	ND		0.015	0.046
Endrin ketone	ND		0.011	0.046
gamma-BHC (Lindane)	0.0071	J	0.0055	0.046
gamma-Chlordane	0.033	J	0.010	0.046
Heptachlor	ND		0.0078	0.046
Heptachlor epoxide	ND		0.0049	0.046
Methoxychlor	ND		0.013	0.046
Toxaphene	ND		0.11	0.46

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	31		20 - 120
Tetrachloro-m-xylene	75		36 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-13**

Lab Sample ID: 480-43118-3 Date Sampled: 08/02/2013 1400
Client Matrix: Water Date Received: 08/02/2013 1605

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-132512	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-132305	Initial Weight/Volume:	267.4 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/06/2013 1341			Injection Volume:	1 uL
Prep Date:	08/05/2013 0739			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0086	0.047
4,4'-DDE	ND		0.011	0.047
4,4'-DDT	0.039	J	0.010	0.047
Aldrin	0.018	J	0.0062	0.047
alpha-BHC	0.019	J	0.0062	0.047
alpha-Chlordane	ND		0.014	0.047
beta-BHC	ND		0.023	0.047
delta-BHC	ND		0.0093	0.047
Dieldrin	ND		0.0092	0.047
Endosulfan I	ND		0.010	0.047
Endosulfan II	ND		0.011	0.047
Endosulfan sulfate	ND		0.015	0.047
Endrin	ND		0.013	0.047
Endrin aldehyde	0.038	J	0.015	0.047
Endrin ketone	0.019	J	0.011	0.047
gamma-BHC (Lindane)	0.010	J	0.0056	0.047
gamma-Chlordane	0.072		0.010	0.047
Heptachlor	ND		0.0079	0.047
Heptachlor epoxide	ND		0.0050	0.047
Methoxychlor	0.050		0.013	0.047
Toxaphene	ND		0.11	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	37		20 - 120
Tetrachloro-m-xylene	97		36 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-24**

Lab Sample ID: 480-43118-4 Date Sampled: 08/02/2013 1415
Client Matrix: Water Date Received: 08/02/2013 1605

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-132512	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-132305	Initial Weight/Volume:	274.6 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	08/06/2013 1358			Injection Volume:	1 uL
Prep Date:	08/05/2013 0739			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.042	0.23
4,4'-DDE	ND		0.053	0.23
4,4'-DDT	ND		0.050	0.23
Aldrin	ND		0.030	0.23
alpha-BHC	0.049	J	0.030	0.23
alpha-Chlordane	ND		0.067	0.23
beta-BHC	ND		0.11	0.23
delta-BHC	ND		0.046	0.23
Dieldrin	ND		0.045	0.23
Endosulfan I	ND		0.050	0.23
Endosulfan II	ND		0.055	0.23
Endosulfan sulfate	ND		0.071	0.23
Endrin	ND		0.063	0.23
Endrin aldehyde	ND		0.074	0.23
Endrin ketone	ND		0.055	0.23
gamma-BHC (Lindane)	0.060	J	0.027	0.23
gamma-Chlordane	ND		0.050	0.23
Heptachlor	ND		0.039	0.23
Heptachlor epoxide	ND		0.024	0.23
Methoxychlor	0.080	J	0.064	0.23
Toxaphene	ND		0.55	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	8	X	20 - 120
Tetrachloro-m-xylene	67		36 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-25**

Lab Sample ID: 480-43118-5 Date Sampled: 08/02/2013 1420
Client Matrix: Water Date Received: 08/02/2013 1605

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-132512	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-132305	Initial Weight/Volume:	246.2 mL
Dilution:	100			Final Weight/Volume:	2 mL
Analysis Date:	08/06/2013 1416			Injection Volume:	1 uL
Prep Date:	08/05/2013 0739			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.93	5.1
4,4'-DDE	ND		1.2	5.1
4,4'-DDT	ND		1.1	5.1
Aldrin	ND		0.67	5.1
alpha-BHC	300		0.67	5.1
alpha-Chlordane	ND		1.5	5.1
beta-BHC	110		2.5	5.1
delta-BHC	3.1	J	1.0	5.1
Dieldrin	ND		1.0	5.1
Endosulfan I	ND		1.1	5.1
Endosulfan II	ND		1.2	5.1
Endosulfan sulfate	ND		1.6	5.1
Endrin	ND		1.4	5.1
Endrin aldehyde	ND		1.7	5.1
Endrin ketone	ND		1.2	5.1
gamma-BHC (Lindane)	2.6	J	0.61	5.1
gamma-Chlordane	19		1.1	5.1
Heptachlor	ND		0.86	5.1
Heptachlor epoxide	ND		0.54	5.1
Methoxychlor	ND		1.4	5.1
Toxaphene	ND		12	51

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	-125	X	20 - 120
Tetrachloro-m-xylene	5259	X	36 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-22**

Lab Sample ID: 480-43118-6 Date Sampled: 08/02/2013 1430
Client Matrix: Water Date Received: 08/02/2013 1605

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-132512	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-132305	Initial Weight/Volume:	250.7 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	08/06/2013 1508			Injection Volume:	1 uL
Prep Date:	08/05/2013 0739			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.046	0.25
4,4'-DDE	ND		0.058	0.25
4,4'-DDT	ND		0.055	0.25
Aldrin	ND		0.033	0.25
alpha-BHC	0.033	J	0.033	0.25
alpha-Chlordane	ND		0.074	0.25
beta-BHC	ND		0.12	0.25
delta-BHC	ND		0.050	0.25
Dieldrin	ND		0.049	0.25
Endosulfan I	ND		0.055	0.25
Endosulfan II	ND		0.060	0.25
Endosulfan sulfate	ND		0.078	0.25
Endrin	ND		0.069	0.25
Endrin aldehyde	ND		0.081	0.25
Endrin ketone	ND		0.060	0.25
gamma-BHC (Lindane)	0.031	J	0.030	0.25
gamma-Chlordane	ND		0.055	0.25
Heptachlor	ND		0.042	0.25
Heptachlor epoxide	ND		0.026	0.25
Methoxychlor	ND		0.070	0.25
Toxaphene	ND		0.60	2.5

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	12	X	20 - 120
Tetrachloro-m-xylene	78		36 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-21**

Lab Sample ID: 480-43118-7 Date Sampled: 08/02/2013 1440
Client Matrix: Water Date Received: 08/02/2013 1605

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-132512	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-132305	Initial Weight/Volume:	255.7 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/06/2013 1526			Injection Volume:	1 uL
Prep Date:	08/05/2013 0739			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0090	0.049
4,4'-DDE	ND		0.011	0.049
4,4'-DDT	ND		0.011	0.049
Aldrin	ND		0.0065	0.049
alpha-BHC	0.026	J	0.0065	0.049
alpha-Chlordane	ND		0.014	0.049
beta-BHC	ND		0.024	0.049
delta-BHC	ND		0.0098	0.049
Dieldrin	ND		0.0096	0.049
Endosulfan I	ND		0.011	0.049
Endosulfan II	ND		0.012	0.049
Endosulfan sulfate	ND		0.015	0.049
Endrin	ND		0.013	0.049
Endrin aldehyde	ND		0.016	0.049
Endrin ketone	ND		0.012	0.049
gamma-BHC (Lindane)	ND		0.0059	0.049
gamma-Chlordane	ND		0.011	0.049
Heptachlor	ND		0.0083	0.049
Heptachlor epoxide	ND		0.0052	0.049
Methoxychlor	ND		0.014	0.049
Toxaphene	ND		0.12	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	55		20 - 120
Tetrachloro-m-xylene	84		36 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-1**

Lab Sample ID: 480-43118-8 Date Sampled: 08/02/2013 1450
Client Matrix: Water Date Received: 08/02/2013 1605

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-132512	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-132305	Initial Weight/Volume:	269.3 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	08/06/2013 1543			Injection Volume:	1 uL
Prep Date:	08/05/2013 0739			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.043	0.23
4,4'-DDE	ND		0.054	0.23
4,4'-DDT	ND		0.051	0.23
Aldrin	ND		0.031	0.23
alpha-BHC	ND		0.031	0.23
alpha-Chlordane	ND		0.069	0.23
beta-BHC	ND		0.12	0.23
delta-BHC	ND		0.046	0.23
Dieldrin	ND		0.045	0.23
Endosulfan I	ND		0.051	0.23
Endosulfan II	ND		0.056	0.23
Endosulfan sulfate	ND		0.073	0.23
Endrin	ND		0.064	0.23
Endrin aldehyde	ND		0.076	0.23
Endrin ketone	ND		0.056	0.23
gamma-BHC (Lindane)	0.095	J	0.028	0.23
gamma-Chlordane	ND		0.051	0.23
Heptachlor	ND		0.039	0.23
Heptachlor epoxide	ND		0.025	0.23
Methoxychlor	ND		0.065	0.23
Toxaphene	ND		0.56	2.3

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	44		20 - 120
Tetrachloro-m-xylene	246	X	36 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-2**

Lab Sample ID: 480-43118-9 Date Sampled: 08/02/2013 1505
Client Matrix: Water Date Received: 08/02/2013 1605

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-132512	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-132305	Initial Weight/Volume:	261.3 mL
Dilution:	50			Final Weight/Volume:	2 mL
Analysis Date:	08/06/2013 1601			Injection Volume:	1 uL
Prep Date:	08/05/2013 0739			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.44	2.4
4,4'-DDE	ND		0.55	2.4
4,4'-DDT	ND		0.53	2.4
Aldrin	ND		0.32	2.4
alpha-BHC	ND		0.32	2.4
alpha-Chlordane	ND		0.71	2.4
beta-BHC	ND		1.2	2.4
delta-BHC	ND		0.48	2.4
Dieldrin	ND		0.47	2.4
Endosulfan I	ND		0.53	2.4
Endosulfan II	ND		0.57	2.4
Endosulfan sulfate	ND		0.75	2.4
Endrin	ND		0.66	2.4
Endrin aldehyde	ND		0.78	2.4
Endrin ketone	ND		0.57	2.4
gamma-BHC (Lindane)	ND		0.29	2.4
gamma-Chlordane	ND		0.53	2.4
Heptachlor	ND		0.41	2.4
Heptachlor epoxide	ND		0.25	2.4
Methoxychlor	ND		0.67	2.4
Toxaphene	ND		5.7	24

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	-35	X	20 - 120
Tetrachloro-m-xylene	112		36 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-14B**

Lab Sample ID: 480-43118-10 Date Sampled: 08/02/2013 1515
Client Matrix: Water Date Received: 08/02/2013 1605

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-132512	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-132305	Initial Weight/Volume:	249.5 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	08/06/2013 1618			Injection Volume:	1 uL
Prep Date:	08/05/2013 0739			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0092	0.050
4,4'-DDE	ND		0.012	0.050
4,4'-DDT	ND		0.011	0.050
Aldrin	ND		0.0066	0.050
alpha-BHC	0.0075	J	0.0066	0.050
alpha-Chlordane	ND		0.015	0.050
beta-BHC	ND		0.025	0.050
delta-BHC	ND		0.010	0.050
Dieldrin	ND		0.0098	0.050
Endosulfan I	ND		0.011	0.050
Endosulfan II	ND		0.012	0.050
Endosulfan sulfate	ND		0.016	0.050
Endrin	ND		0.014	0.050
Endrin aldehyde	ND		0.016	0.050
Endrin ketone	ND		0.012	0.050
gamma-BHC (Lindane)	ND		0.0060	0.050
gamma-Chlordane	ND		0.011	0.050
Heptachlor	ND		0.0085	0.050
Heptachlor epoxide	ND		0.0053	0.050
Methoxychlor	ND		0.014	0.050
Toxaphene	ND		0.12	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	43		20 - 120
Tetrachloro-m-xylene	82		36 - 120

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-16**

Lab Sample ID: 480-43118-1 Date Sampled: 08/02/2013 1315
Client Matrix: Water Date Received: 08/02/2013 1605

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-132866	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-132602	Initial Weight/Volume:	936.4 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/09/2013 0726			Injection Volume:	1 uL
Prep Date:	08/06/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.16	0.53
Silvex (2,4,5-TP)	ND		0.38	0.53
2,4-D	ND		0.43	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	133		40 - 135

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-23**

Lab Sample ID: 480-43118-2 Date Sampled: 08/02/2013 1345
Client Matrix: Water Date Received: 08/02/2013 1605

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-132866	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-132602	Initial Weight/Volume:	1013.4 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/09/2013 0656			Injection Volume:	1 uL
Prep Date:	08/06/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.15	0.49
Silvex (2,4,5-TP)	ND		0.36	0.49
2,4-D	ND		0.39	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	100		40 - 135

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-13**

Lab Sample ID: 480-43118-3 Date Sampled: 08/02/2013 1400
Client Matrix: Water Date Received: 08/02/2013 1605

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-132866	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-132602	Initial Weight/Volume:	957.3 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/09/2013 0756			Injection Volume:	1 uL
Prep Date:	08/06/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.16	0.52
Silvex (2,4,5-TP)	ND		0.38	0.52
2,4-D	ND		0.42	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	128		40 - 135

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-24**

Lab Sample ID: 480-43118-4 Date Sampled: 08/02/2013 1415
Client Matrix: Water Date Received: 08/02/2013 1605

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-132866	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-132602	Initial Weight/Volume:	1049.9 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/09/2013 0825			Injection Volume:	1 uL
Prep Date:	08/06/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48
2,4-D	ND		0.38	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	134		40 - 135

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-25**

Lab Sample ID: 480-43118-5 Date Sampled: 08/02/2013 1420
Client Matrix: Water Date Received: 08/02/2013 1605

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-132866	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-132602	Initial Weight/Volume:	1039.3 mL
Dilution:	20			Final Weight/Volume:	10 mL
Analysis Date:	08/09/2013 1724			Injection Volume:	1 uL
Prep Date:	08/06/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		2.9	9.6
Silvex (2,4,5-TP)	ND		6.9	9.6
2,4-D	ND		7.7	9.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	453	X	40 - 135

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-22**

Lab Sample ID: 480-43118-6 Date Sampled: 08/02/2013 1430
Client Matrix: Water Date Received: 08/02/2013 1605

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-132866	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-132602	Initial Weight/Volume:	942.3 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/09/2013 0855			Injection Volume:	1 uL
Prep Date:	08/06/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.16	0.53
Silvex (2,4,5-TP)	ND		0.38	0.53
2,4-D	ND		0.42	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	143	X	40 - 135

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-21**

Lab Sample ID: 480-43118-7 Date Sampled: 08/02/2013 1440
Client Matrix: Water Date Received: 08/02/2013 1605

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-132866	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-132602	Initial Weight/Volume:	1052.4 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/09/2013 0925			Injection Volume:	1 uL
Prep Date:	08/06/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48
2,4-D	ND		0.38	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	102		40 - 135

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-1**

Lab Sample ID: 480-43118-8 Date Sampled: 08/02/2013 1450
Client Matrix: Water Date Received: 08/02/2013 1605

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-132866	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-132602	Initial Weight/Volume:	1022 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/09/2013 0954			Injection Volume:	1 uL
Prep Date:	08/06/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.15	0.49
Silvex (2,4,5-TP)	ND		0.35	0.49
2,4-D	ND		0.39	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	122		40 - 135

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-2**

Lab Sample ID: 480-43118-9 Date Sampled: 08/02/2013 1505
Client Matrix: Water Date Received: 08/02/2013 1605

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-132866	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-132602	Initial Weight/Volume:	907.9 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/09/2013 1054			Injection Volume:	1 uL
Prep Date:	08/06/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.16	0.55
Silvex (2,4,5-TP)	ND		0.40	0.55
2,4-D	ND		0.44	0.55

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	116		40 - 135

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-14B**

Lab Sample ID: 480-43118-10 Date Sampled: 08/02/2013 1515
Client Matrix: Water Date Received: 08/02/2013 1605

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-132866	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-132602	Initial Weight/Volume:	952.2 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	08/09/2013 1123			Injection Volume:	1 uL
Prep Date:	08/06/2013 1500			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.16	0.53
Silvex (2,4,5-TP)	ND		0.38	0.53
2,4-D	ND		0.42	0.53

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	117		40 - 135

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-16**

Lab Sample ID: 480-43118-1 Date Sampled: 08/02/2013 1315
Client Matrix: Water Date Received: 08/02/2013 1605

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-132492	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-132263	Lab File ID:	I1080513B-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/05/2013 2329			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0730				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	ND		0.0056	0.010
Barium	0.25		0.00070	0.0020
Cadmium	ND		0.00050	0.0010
Chromium	0.0035	J	0.0010	0.0040
Lead	0.017		0.0030	0.0050
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-132406	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	480-132313	Lab File ID:	J08053W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2013 1313			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-23**

Lab Sample ID: 480-43118-2 Date Sampled: 08/02/2013 1345
Client Matrix: Water Date Received: 08/02/2013 1605

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-132492	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-132263	Lab File ID:	I1080513B-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/05/2013 2331			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0730				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.012		0.0056	0.010
Barium	0.17		0.00070	0.0020
Cadmium	0.0032		0.00050	0.0010
Chromium	0.027		0.0010	0.0040
Lead	0.030		0.0030	0.0050
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-132406	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	480-132313	Lab File ID:	J08053W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2013 1320			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-13**

Lab Sample ID: 480-43118-3 Date Sampled: 08/02/2013 1400
Client Matrix: Water Date Received: 08/02/2013 1605

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-132492	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-132263	Lab File ID:	I1080513B-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/05/2013 2334			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0730				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.012		0.0056	0.010
Barium	0.044		0.00070	0.0020
Cadmium	0.00057	J	0.00050	0.0010
Chromium	0.0094		0.0010	0.0040
Lead	0.022		0.0030	0.0050
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-132406	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	480-132313	Lab File ID:	J08053W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2013 1322			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-24**

Lab Sample ID: 480-43118-4 Date Sampled: 08/02/2013 1415
Client Matrix: Water Date Received: 08/02/2013 1605

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-132492	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-132263	Lab File ID:	I1080513B-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/05/2013 2342			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0730				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0073	J	0.0056	0.010
Barium	0.18		0.00070	0.0020
Cadmium	0.0014		0.00050	0.0010
Chromium	0.0034	J	0.0010	0.0040
Lead	ND		0.0030	0.0050
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-132406	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	480-132313	Lab File ID:	J08053W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2013 1324			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-25**

Lab Sample ID: 480-43118-5 Date Sampled: 08/02/2013 1420
Client Matrix: Water Date Received: 08/02/2013 1605

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-132492	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-132263	Lab File ID:	I1080513B-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/05/2013 2355			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0730				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.028		0.0056	0.010
Barium	0.73		0.00070	0.0020
Cadmium	ND		0.00050	0.0010
Chromium	0.0044		0.0010	0.0040
Lead	0.0068		0.0030	0.0050
Selenium	0.0096	J	0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-132406	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	480-132313	Lab File ID:	J08053W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2013 1427			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-22**

Lab Sample ID: 480-43118-6 Date Sampled: 08/02/2013 1430
Client Matrix: Water Date Received: 08/02/2013 1605

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-132492	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-132263	Lab File ID:	I1080513B-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/05/2013 2358			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0730				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0061	J	0.0056	0.010
Barium	0.21		0.00070	0.0020
Cadmium	0.0014		0.00050	0.0010
Chromium	0.0072		0.0010	0.0040
Lead	0.039		0.0030	0.0050
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-132406	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	480-132313	Lab File ID:	J08053W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2013 1331			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-21**

Lab Sample ID: 480-43118-7 Date Sampled: 08/02/2013 1440
Client Matrix: Water Date Received: 08/02/2013 1605

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-132492	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-132263	Lab File ID:	I1080513B-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2013 0001			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0730				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.011		0.0056	0.010
Barium	0.15		0.00070	0.0020
Cadmium	0.00073	J	0.00050	0.0010
Chromium	0.023		0.0010	0.0040
Lead	0.0051		0.0030	0.0050
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-132406	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	480-132313	Lab File ID:	J08053W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2013 1333			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-1**

Lab Sample ID: 480-43118-8 Date Sampled: 08/02/2013 1450
Client Matrix: Water Date Received: 08/02/2013 1605

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-132492	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-132263	Lab File ID:	I1080513B-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2013 0004			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0730				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0059	J	0.0056	0.010
Barium	0.065		0.00070	0.0020
Cadmium	0.0011		0.00050	0.0010
Chromium	0.0059		0.0010	0.0040
Lead	ND		0.0030	0.0050
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-132406	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	480-132313	Lab File ID:	J08053W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2013 1334			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-2**

Lab Sample ID: 480-43118-9 Date Sampled: 08/02/2013 1505
Client Matrix: Water Date Received: 08/02/2013 1605

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-132492	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-132263	Lab File ID:	I1080513B-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2013 0006			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0730				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	ND		0.0056	0.010
Barium	0.069		0.00070	0.0020
Cadmium	0.00067	J	0.00050	0.0010
Chromium	0.0021	J	0.0010	0.0040
Lead	ND		0.0030	0.0050
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-132406	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	480-132313	Lab File ID:	J08053W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2013 1336			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-43118-1

Client Sample ID: **OW-14B**

Lab Sample ID: 480-43118-10 Date Sampled: 08/02/2013 1515
Client Matrix: Water Date Received: 08/02/2013 1605

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-132492	Instrument ID:	ICAP1
Prep Method:	3005A	Prep Batch:	480-132263	Lab File ID:	I1080513B-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/06/2013 0014			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0730				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0059	J	0.0056	0.010
Barium	0.070		0.00070	0.0020
Cadmium	ND		0.00050	0.0010
Chromium	0.0083		0.0010	0.0040
Lead	0.0040	J	0.0030	0.0050
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-132406	Instrument ID:	LEEMAN3
Prep Method:	7470A	Prep Batch:	480-132313	Lab File ID:	J08053W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/05/2013 1338			Final Weight/Volume:	50 mL
Prep Date:	08/05/2013 0815				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-624 (60) ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DCA #	TOL #	BFB #
OW-16	480-43118-1	126	99	105
OW-23	480-43118-2	122	98	101
OW-13	480-43118-3	122	97	100
OW-24	480-43118-4	122	99	103
OW-25	480-43118-5	114	98	107
OW-22	480-43118-6	122	99	101
OW-21	480-43118-7	123	99	102
OW-1	480-43118-8	127	100	103
OW-2	480-43118-9	127	100	102
OW-14B	480-43118-10	126	100	104
TRIP BLANK	480-43118-11	127	99	101
	MB 480-132975/5	119	99	103
	LCS 480-132975/4	117	101	108

	QC LIMITS
DCA = 1,2-Dichloroethane-d4 (Surr)	66-137
TOL = Toluene-d8 (Surr)	71-126
BFB = 4-Bromofluorobenzene (Surr)	73-120

Column to be used to flag recovery values

FORM II 8260B

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Lab Sample ID: CCVIS 480-132975/2 Calibration Date: 08/08/2013 11:47

Instrument ID: HP5973P Calib Start Date: 07/25/2013 12:21

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 07/25/2013 14:25

Lab File ID: P0693.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4761			21.2	25.0	-15.0	50.0
Chloromethane	Ave	0.2989			23.7	25.0	-5.0	50.0
Vinyl chloride	Ave	0.2804			25.8	25.0	3.2	20.0
Bromomethane	Ave	0.2001			32.3	25.0	29.3	50.0
Chloroethane	Ave	0.1282			33.4	25.0	33.4	50.0
Trichlorofluoromethane	Ave	0.6538			31.2	25.0	24.9	50.0
Acrolein	Ave	0.0460			387	500	-22.7	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.3742			28.5	25.0	14.0	50.0
1,1-Dichloroethene	Ave	0.3585			25.8	25.0	3.1	20.0
Acetone	Ave	0.1530			140	125	12.2	50.0
Iodomethane	Ave	0.5851			26.4	25.0	5.5	50.0
Carbon disulfide	Ave	1.013			23.4	25.0	-6.4	50.0
Methyl acetate	Ave	0.3863			24.8	25.0	-0.8	50.0
Acetonitrile	Ave	0.0275			996	1000	-0.4	50.0
Methylene Chloride	Ave	0.4008			24.7	25.0	-1.1	50.0
Methyl tert-butyl ether	Ave	1.253			26.5	25.0	6.0	50.0
trans-1,2-Dichloroethene	Ave	0.3799			25.5	25.0	1.9	50.0
Acrylonitrile	Ave	0.1463			126	125	0.4	50.0
Vinyl acetate	Ave	0.6383			134	125	7.5	50.0
1,1-Dichloroethane	Ave	0.6065			26.2	25.0	4.7	50.0
2-Butanone (MEK)	Ave	0.2038			127	125	1.3	50.0
2,2-Dichloropropane	Ave	0.5314			31.3	25.0	25.4	50.0
cis-1,2-Dichloroethene	Ave	0.4162			26.1	25.0	4.3	50.0
Bromochloromethane	Ave	0.2275			27.7	25.0	10.7	50.0
Tetrahydrofuran	Ave	0.1254			121	125	-3.1	50.0
Chloroform	Ave	0.7558			27.2	25.0	9.0	20.0
1,1,1-Trichloroethane	Ave	0.6492			30.0	25.0	20.1	50.0
Cyclohexane	Ave	0.4656			23.2	25.0	-7.4	50.0
1,1-Dichloropropene	Ave	0.5030			25.5	25.0	2.0	50.0
Carbon tetrachloride	Ave	0.5589			32.0	25.0	27.9	50.0
Benzene	Ave	1.372			24.0	25.0	-3.9	50.0
1,2-Dichloroethane	Ave	0.5925			28.4	25.0	13.6	50.0
Trichloroethene	Ave	0.4180			25.2	25.0	0.6	50.0
Methylcyclohexane	Ave	0.5667			24.6	25.0	-1.4	50.0
1,2-Dichloropropane	Ave	0.3125			24.1	25.0	-3.7	20.0
Dibromomethane	Ave	0.2855			27.2	25.0	8.7	50.0
Bromodichloromethane	Ave	0.5404			28.2	25.0	12.6	50.0
2-Chloroethyl vinyl ether	Ave	0.1752			155	125	23.7	50.0
cis-1,3-Dichloropropene	Ave	0.5650			26.1	25.0	4.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.8462			115	125	-8.3	50.0

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
OW-16	480-43118-1	57	39	87	80	84	58
OW-23	480-43118-2	55	40	81	75	80	67
OW-13	480-43118-3	62	46	88	84	85	85
OW-24	480-43118-4	61	43	86	81	89	69
OW-25	480-43118-5	49	1 X	75	84	67	77
OW-25 DL	480-43118-5 DL	49	39	62	71	56	84
OW-22	480-43118-6	54	36	92	88	85	86
OW-21	480-43118-7	57	39	91	86	87	59
OW-1	480-43118-8	57	40	84	82	85	95
OW-2	480-43118-9	54	41	80	77	75	96
OW-14B	480-43118-10	61	41	90	85	72	103
	MB 480-132301/1-A	60	44	88	75	67	100
	MB 480-132679/1-A	55	40	81	73	57	91
	LCS 480-132301/2-A	65	47	90	83	80	96
	LCS 480-132679/2-A	54	38	77	69	81	101

	QC LIMITS
2FP = 2-Fluorophenol	18-120
PHL = Phenol-d5	11-120
NBZ = Nitrobenzene-d5	34-132
FBP = 2-Fluorobiphenyl	37-120
TBP = 2,4,6-Tribromophenol	39-146
TPH = p-Terphenyl-d14	58-147

Column to be used to flag recovery values

FORM II 8270C

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Lab Sample ID: CCVIS 480-133115/3 Calibration Date: 08/09/2013 05:32

Instrument ID: HP5973W Calib Start Date: 08/07/2013 00:25

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 08/07/2013 03:08

Lab File ID: W002974.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6582	0.5424	0.0100	4120	5000	-17.6	100.0
N-Nitrosodimethylamine	Ave	0.7377	0.7553	0.0100	5120	5000	2.4	25.0
Pyridine	Ave	0.9263	0.9693	0.0100	5230	5000	4.6	100.0
Phenol	Ave	1.589	1.470	0.0100	4620	5000	-7.5	20.0
Aniline	Ave	1.935	1.755	0.0100	4530	5000	-9.3	100.0
Bis(2-chloroethyl)ether	Ave	1.188	1.092	0.0100	4600	5000	-8.0	20.0
2-Chlorophenol	Ave	1.416	1.239	0.0100	4370	5000	-12.5	20.0
1,3-Dichlorobenzene	Ave	1.581	1.412	0.0100	4460	5000	-10.7	20.0
1,4-Dichlorobenzene	Ave	1.659	1.465	0.0100	4410	5000	-11.7	20.0
Benzyl alcohol	Ave	0.7672	0.6828	0.0100	4450	5000	-11.0	100.0
1,2-Dichlorobenzene	Ave	1.547	1.381	0.0100	4460	5000	-10.8	20.0
2-Methylphenol	Ave	1.198	1.117	0.0100	4660	5000	-6.7	20.0
bis (2-chloroisopropyl) ether	Lin1		1.460	0.0100	6110	5000	22.2*	20.0
N-Nitrosodi-n-propylamine	Ave	0.9015	0.8457	0.0500	4690	5000	-6.2	20.0
4-Methylphenol	Ave	1.255	1.179	0.0100	4700	5000	-6.0	20.0
Acetophenone	Ave	1.960	1.779	0.0100	4540	5000	-9.2	40.0
Hexachloroethane	Ave	0.7127	0.6400	0.0100	4490	5000	-10.2	20.0
Nitrobenzene	Ave	0.4005	0.3688	0.0100	4600	5000	-7.9	20.0
Isophorone	Ave	0.6330	0.5852	0.0100	4620	5000	-7.5	20.0
2-Nitrophenol	Ave	0.1968	0.1764	0.0100	4480	5000	-10.4	20.0
2,4-Dimethylphenol	Ave	0.3937	0.3535	0.0100	4490	5000	-10.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.3688	0.3394	0.0100	4600	5000	-8.0	20.0
2,4-Dichlorophenol	Ave	0.3125	0.2668	0.0100	4270	5000	-14.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3527	0.2993	0.0100	4240	5000	-15.1	20.0
Naphthalene	Ave	1.042	0.9150	0.0100	4390	5000	-12.2	20.0
4-Chloroaniline	Ave	0.4109	0.3788	0.0100	4610	5000	-7.8	20.0
Hexachlorobutadiene	Ave	0.2408	0.1990	0.0100	4130	5000	-17.4	20.0
4-Chloro-3-methylphenol	Ave	0.3249	0.2824	0.0100	4350	5000	-13.1	20.0
2-Methylnaphthalene	Ave	0.6883	0.6235	0.0100	4530	5000	-9.4	20.0
Hexachlorocyclopentadiene	Qua		0.3528	0.0500	4230	5000	-15.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6451	0.5287	0.0100	4100	5000	-18.0	40.0
2,4,6-Trichlorophenol	Ave	0.3974	0.3446	0.0100	4330	5000	-13.3	20.0
2,4,5-Trichlorophenol	Ave	0.4187	0.3581	0.0100	4280	5000	-14.5	20.0
Biphenyl	Ave	1.547	1.374	0.0100	4440	5000	-11.1	40.0
2-Chloronaphthalene	Ave	1.224	1.075	0.0100	4390	5000	-12.2	25.0
2-Nitroaniline	Ave	0.3782	0.3518	0.0100	4650	5000	-7.0	20.0
Dimethyl phthalate	Ave	1.302	1.147	0.0100	4410	5000	-11.9	20.0
1,3-Dinitrobenzene	Ave	0.1059	0.0964	0.0100	4550	5000	-9.0	100.0
2,6-Dinitrotoluene	Ave	0.2906	0.2587	0.0100	4450	5000	-11.0	25.0
Acenaphthylene	Ave	1.906	1.678	0.0100	4400	5000	-12.0	20.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-43118-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-132301/1-A

Matrix: Water | Lab File ID: W002978.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/05/2013 07:23

Sample wt/vol: 250(mL) | Date Analyzed: 08/09/2013 07:21

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 133115 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	ND		10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	0.276	J	5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-43118-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-132301/1-A

Matrix: Water | Lab File ID: W002978.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/05/2013 07:23

Sample wt/vol: 250(mL) | Date Analyzed: 08/09/2013 07:21

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 133115 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	0.364	J	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	0.451	J	5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	1.03	J	5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-43118-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-132679/1-A

Matrix: Water | Lab File ID: W002950.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/07/2013 06:17

Sample wt/vol: 250(mL) | Date Analyzed: 08/08/2013 03:30

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 132871 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	0.445	J	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Matrix: Water Level: Low

GC Column (2): RTX-CLPII ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX2	#	DCB2	#
OW-16	480-43118-1	143	X	38	
OW-23	480-43118-2	75		31	
OW-13	480-43118-3	97		37	
OW-24	480-43118-4	67		8	X
OW-25	480-43118-5	5259	X	-125	X
OW-22	480-43118-6	78		12	X
OW-21	480-43118-7	84		55	
OW-1	480-43118-8	246	X	44	
OW-2	480-43118-9	112		-35	X
OW-14B	480-43118-10	82		43	
	MB 480-132305/1-A	75		86	
	LCS 480-132305/2-A	72		72	
OW-16 MS	480-43118-1 MS	91		59	
OW-16 MSD	480-43118-1 MSD	112		74	

	QC LIMITS
TCX = Tetrachloro-m-xylene	36-120
DCB = DCB Decachlorobiphenyl	20-120

Column to be used to flag recovery values

FORM II 8081A

FORM III
PESTICIDES MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 5_96105.D

Lab ID: 480-43118-1 MS Client ID: OW-16 MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
4,4'-DDD	0.769	0.087	0.738	85	43-146	
4,4'-DDE	0.769	ND	0.576	75	27-144	
4,4'-DDT	0.769	0.16	0.599	57	37-140	
Aldrin	0.769	0.085	0.522	57	39-125	
alpha-BHC	0.769	ND	0.684	89	47-130	
alpha-Chlordane	0.769	0.10	0.714	80	36-142	
beta-BHC	0.769	0.084	0.736	85	54-139	
delta-BHC	0.769	0.096	0.750	85	43-139	
Dieldrin	0.769	0.089	0.785	90	46-144	
Endosulfan I	0.769	0.10	0.685	76	40-147	
Endosulfan II	0.769	0.18	0.743	73	51-140	
Endosulfan sulfate	0.769	0.050	0.722	87	36-159	
Endrin	0.769	ND	0.793	103	48-156	
Endrin aldehyde	0.769	0.13	0.802	87	29-142	
Endrin ketone	0.769	ND	0.674	88	57-138	
gamma-BHC (Lindane)	0.769	0.058	0.721	86	48-133	
gamma-Chlordane	0.769	0.011 J	3.94	510	46-132	F
Heptachlor	0.769	ND	0.634	82	36-142	
Heptachlor epoxide	0.769	ND	0.800	104	53-139	
Methoxychlor	0.769	0.027 J	0.787	99	40-175	

Column to be used to flag recovery and RPD values

FORM III 8081A

FORM III
PESTICIDES MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 5_96106.D

Lab ID: 480-43118-1 MSD Client ID: OW-16 MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4,4'-DDD	0.769	0.804	93	9	12	43-146	
4,4'-DDE	0.769	0.635	83	10	14	27-144	
4,4'-DDT	0.769	0.631	61	5	17	37-140	
Aldrin	0.769	0.602	67	14	13	39-125	F
alpha-BHC	0.769	0.724	94	6	15	47-130	
alpha-Chlordane	0.769	0.775	88	8	12	36-142	
beta-BHC	0.769	0.848	99	14	22	54-139	
delta-BHC	0.769	0.834	96	11	10	43-139	F
Dieldrin	0.769	0.872	102	10	12	46-144	
Endosulfan I	0.769	0.733	82	7	10	40-147	
Endosulfan II	0.769	0.802	81	8	11	51-140	
Endosulfan sulfate	0.769	0.759	92	5	18	36-159	
Endrin	0.769	0.845	110	6	13	48-156	
Endrin aldehyde	0.769	0.850	93	6	18	29-142	
Endrin ketone	0.769	0.709	92	5	33	57-138	
gamma-BHC (Lindane)	0.769	0.784	94	8	15	48-133	
gamma-Chlordane	0.769	7.76	1008	65	11	46-132	F
Heptachlor	0.769	0.738	96	15	10	36-142	F
Heptachlor epoxide	0.769	0.902	117	12	11	53-139	F
Methoxychlor	0.769	0.828	104	5	10	40-175	

Column to be used to flag recovery and RPD values

FORM III 8081A

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\5_96108.D
Lims ID: 480-43118-E-1-A Client ID: OW-16
Inject. Date: 06-Aug-2013 13:06:12 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: Name: 480-43118-E-1-A
Misc. Info.: Study: 480-0024104-009 Channel B: I/F Serial#, CN10520009
Operator: tchrom Instrument ID: HP6890-5
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 132512 Lims Sample ID: 9
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\8081-5.m
Last Update: 16-Aug-2013 12:25:11 Calib Date: 31-Jul-2013 20:12:49
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20130730-23918.b\5_96077.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK026

First Level Reviewer: bescod Date: 16-Aug-2013 12:25:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
S 1 BHC, Total									
1						0.0364			
2						0.0320			
						RPD = 12.86			
$ 4 Tetrachloro-m-xylene									
1	1	2.393	2.390	0.003	792612	0.0118			
2	2	2.747	2.747	0.000	3552023	0.0286			
						RPD = 82.96			
6 Hexachlorobenzene									
1	1	2.697	2.680	0.017	11775259	0.1465			
2	2	3.180	3.163	0.017	3297799	0.0214			
						RPD = 148.95			
7 gamma-BHC (Lindane)									
1	1	3.053	3.050	0.003	312344	0.004433			
2	2	3.617	3.613	0.004	1297710	0.007818			
						RPD = 55.26			
8 beta-BHC									
1	1	3.110	3.120	-0.010	885103	0.0266			
2	2	3.670	3.683	-0.013	772017	0.0113			
						RPD = 80.94			
9 delta-BHC									
1	1	3.260	3.270	-0.010	385686	0.005357			
2	2	4.007	3.983	0.024	2176292	0.0129			
						RPD = 82.62			
12 Aldrin									
1	1	3.757	3.730	0.027	77888	0.001300			
2	2	4.393	4.417	-0.024	1710172	0.0115			
						RPD = 159.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
11 Chlordane (technical)									M
1	1	0.0	3.857	-3.857	0	0		100.0	E
1	2	4.237	4.253	-0.016	8801	0.0198	30.3- 90.3		
1	3	4.427	4.443	-0.016	72626	0.0164	361.3- 421.3		M
1	4	4.580	4.567	0.013	15589	0.0109	619.7- 679.7		
1	5	5.213	5.233	-0.020	33280	0.0231	66.7- 126.7		
			Average of Peak Amounts =			0.0176			
2	6	4.567	4.570	-0.003	1612174	0.3502		100.0	E
2	7	4.980	4.980	0.000	3569796	0.9207	52.8- 112.8	221.4	
2	8	5.210	5.220	-0.010	210101946	11.7	335.6- 395.6	13032.2	
2	9	5.380	5.373	0.007	1597705	0.1322	228.1- 288.1	99.1	
2	10	6.140	6.123	0.017	1058511	0.3018	43.0- 103.0	65.7	
			Average of Peak Amounts =			2.68			
						RPD = 197.40			
13 Alachlor									
1	1	3.887	3.870	0.017	314202	0.0410			E
2	2	4.270	4.290	-0.020	3390574	0.1922			E
						RPD = 129.62			
15 gamma-Chlordane									M
1	1	4.427	4.443	-0.016	72626	0.001476			EM
2	2	5.210	5.217	-0.007	210101946	1.62			E
						RPD = 199.64			
17 alpha-Chlordane									
1	1	4.580	4.580	0.000	15589	0.000860			
2	2	5.380	5.370	0.010	1597705	0.0136			
						RPD = 176.25			
19 Endosulfan I									
1	1	4.697	4.717	-0.020	79741	0.000547			7
2	2	5.457	5.433	0.024	1554161	0.0140			7
						RPD = 184.95			
LOD = 0.000800									
21 2,4'-DDD									
1	1	4.857	4.847	0.010	60381	0.001376			
2	2	5.783	5.757	0.026	825637	0.0121			
						RPD = 159.16			
20 Dieldrin									
1	1	4.967	4.960	0.007	13552	0.000056			7
2	2	5.733	5.717	0.016	1433530	0.0120			7
						RPD = 198.15			
LOD = 0.000800									
23 4,4'-DDD									
1	1	5.273	5.280	-0.007	48297	0.000956			
2	2	6.140	6.140	0.000	1058511	0.0118			
						RPD = 169.98			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
25 Endosulfan II									
1	1	5.410	5.427	-0.017	155784	0.002038			
2	2	6.267	6.250	0.017	2314924	0.0241			
						RPD = 168.84			
26 4,4'-DDT									
1	1	5.593	5.567	0.026	65858	0.001248			
2	2	6.460	6.463	-0.003	2050381	0.0216			
						RPD = 178.18			
29 Endrin aldehyde									
1	1	5.840	5.857	-0.017	54931	0.001461			
2	2	6.600	6.593	0.007	1291816	0.0181			
						RPD = 170.07			
30 Methoxychlor									
1	1	6.093	6.073	0.020	3144	0.000010			7
2	2	7.187	7.157	0.030	157257	0.003628			7
						RPD = 198.94			
LOD = 0.000800									
31 Endosulfan sulfate									
1	1	6.323	6.303	0.020	31845	0.001025			
2	2	6.910	6.880	0.030	514308	0.006803			
						RPD = 147.63			
$ 34 DCB Decachlorobiphenyl									
1	1	7.613	7.607	0.006	250333	0.006076			
2	2	8.650	8.647	0.003	501860	0.007545			
						RPD = 21.57			

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 gamma-Chlordane									
1	1	4.430	4.443	-0.013	200077	0.002994			
2	2	5.200	5.217	-0.017	508254	0.004459			
						RPD = 39.32			
19 Endosulfan I									
1	1	4.707	4.717	-0.010	2889	-0.000464			7
2	2	5.447	5.433	0.014	7465	0.000420			7
						RPD = -4014.83			
LOD = 0.000800									
20 Dieldrin									
1	1	4.967	4.960	0.007	28945	0.000217			7
2	2	5.743	5.717	0.026	40614	0.001030			7
						RPD = 130.27			
LOD = 0.000800									
23 4,4'-DDD									
1	1	5.287	5.280	0.007	56477	0.001062			
2	2	6.140	6.140	0.000	110939	0.001881			
						RPD = 55.66			
29 Endrin aldehyde									
1	1	5.840	5.857	-0.017	36513	0.001055			
2	2	6.603	6.593	0.010	260411	0.004229			
						RPD = 120.16			
31 Endosulfan sulfate									
1	1	6.320	6.303	0.017	19003	0.000768			7
2	2	6.870	6.880	-0.010	31214	0.001173			7
						RPD = 41.67			
LOD = 0.000800									
$ 34 DCB Decachlorobiphenyl									
1	1	7.617	7.607	0.010	228245	0.005496			
2	2	8.650	8.647	0.003	418442	0.006197			
						RPD = 11.99			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

TestAmerica Buffalo
Target Compound Quantitation Report

Data File:	\\Bufchrom\ChromData\HP6890-05\20130806-24104.b\5_96110.D		
Lims ID:	480-43118-G-3-A	Client ID:	OW-13
Inject. Date:	06-Aug-2013 13:41:20	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	Name: 480-43118-G-3-A		
Misc. Info.:	Study: 480-0024104-011 Channel B: I/F Serial#, CN10520009		
Operator:	tchrom	Instrument ID:	HP6890-5
Injection Vol:	1.0 ul	ALS Bottle#:	0
Lims Batch ID:	132512	Lims Sample ID:	11
Detector 1 :	Ch-A-6A58132		
Detector 2 :	Ch-B-6b58132		
Method:	\\Bufchrom\ChromData\HP6890-05\20130806-24104.b\8081-5.m		
Last Update:	07-Aug-2013 15:32:10	Calib Date:	31-Jul-2013 20:12:49
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Bufchrom\ChromData\HP6890-05\20130730-23918.b\5_96077.D		
Limit Group:	GC - 8081A ICAL		
Integrator:	Falcon		
Column Type:		Column Dia:	
Process Host:	XAWRK007		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									
1	1	2.393	2.390	0.003	650265	0.009786			
2	2	2.747	2.747	0.000	2400736	0.0194			
						RPD = 65.73			
5 alpha-BHC									
1	1	2.807	2.800	0.007	24294	0.001257			
2	2	3.273	3.277	-0.004	398668	0.002577			
						RPD = 68.85			
7 gamma-BHC (Lindane)									
1	1	3.037	3.050	-0.013	42846	0.001432			
2	2	3.620	3.613	0.007	156404	0.001393			
						RPD = 2.77			
8 beta-BHC									
1	1	3.110	3.120	-0.010	84032	0.002902			
2	2	3.677	3.683	-0.006	315079	0.004370			
						RPD = 40.38			
12 Aldrin									
1	1	3.743	3.730	0.013	62195	0.001099			
2	2	4.410	4.417	-0.007	307702	0.002372			
						RPD = 73.38			
15 gamma-Chlordane									
1	1	4.433	4.443	-0.010	170597	0.002643			
2	2	5.197	5.217	-0.020	1171182	0.009576			
						RPD = 113.48			
18 4,4'-DDE									
1	1	4.683	4.667	0.016	69531	0.000970			
2	2	5.537	5.540	-0.003	543605	0.005067			
						RPD = 135.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
23 4,4'-DDD									
1	1	5.287	5.280	0.007	43425	0.000892			
2	2	6.157	6.140	0.017	292759	0.003780			
						RPD = 123.62			
26 4,4'-DDT									
1	1	5.590	5.567	0.023	93702	0.001642			
2	2	6.467	6.463	0.004	415736	0.005220			
						RPD = 104.28			
29 Endrin aldehyde									
1	1	5.870	5.857	0.013	184157	0.004311			
2	2	6.603	6.593	0.010	319775	0.005025			
						RPD = 15.30			
30 Methoxychlor									
1	1	6.090	6.073	0.017	58841	0.002017			
2	2	7.143	7.157	-0.014	300769	0.006713			
						RPD = 107.59			
31 Endosulfan sulfate									
1	1	6.307	6.303	0.004	27582	0.000940			
2	2	6.870	6.880	-0.010	119934	0.002207			
						RPD = 80.54			
33 Endrin ketone									
1	1	6.570	6.583	-0.013	330900	0.005352			
2	2	7.443	7.423	0.020	184491	0.002528			
						RPD = 71.67			
$ 34 DCB Decachlorobiphenyl									
1	1	7.613	7.607	0.006	231744	0.005588			
2	2	8.650	8.647	0.003	497183	0.007469			
						RPD = 28.82			

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\5_96111.D
Lims ID: 480-43118-F-4-A Client ID: OW-24
Inject. Date: 06-Aug-2013 13:58:55 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: Name: 480-43118-F-4-A
Misc. Info.: Study: 480-0024104-012 Channel B: I/F Serial#, CN10520009
Operator: tchrom Instrument ID: HP6890-5
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 132512 Lims Sample ID: 12
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\8081-5.m
Last Update: 07-Aug-2013 15:32:10 Calib Date: 31-Jul-2013 20:12:49
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20130730-23918.b\5_96077.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK007

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									
1	1	2.393	2.390	0.003	77471	0.001526			
2	2	2.747	2.747	0.000	323309	0.002662			
						RPD = 54.26			
5 alpha-BHC									
1	1	2.803	2.800	0.003	30381	0.001311			
2	2	3.277	3.277	0.000	144344	0.001354			
						RPD = 3.22			
7 gamma-BHC (Lindane)									
1	1	3.037	3.050	-0.013	3199	0.000991			
2	2	3.593	3.613	-0.020	204031	0.001661			
						RPD = 50.56			
8 beta-BHC									
1	1	3.147	3.120	0.027	74746	0.002627			7
2	2	3.683	3.683	0.000	14460	-0.000167			7
						RPD = 227.17			
LOD = 0.000800									
9 delta-BHC									
1	1	3.260	3.270	-0.010	11943	0.001209			7
2	2	4.000	3.983	0.017	38042	0.000762			7
						RPD = 45.31			
LOD = 0.000800									
10 Heptachlor									
1	1	3.473	3.457	0.016	4955	0.000079			7
2	2	4.053	4.070	-0.017	21540	0.000437			7
						RPD = 138.56			
LOD = 0.000800									
14 Heptachlor epoxide									
1	1	4.333	4.320	0.013	4613	-0.000172			7
2	2	5.007	5.017	-0.010	139051	0.001391			7
						RPD = 256.25			
LOD = 0.000800									

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
15 gamma-Chlordane									
1	1	4.427	4.443	-0.016	35831	0.001038			
2	2	5.197	5.217	-0.020	781794	0.006570			
						RPD = 145.42			
19 Endosulfan I									
1	1	4.700	4.717	-0.017	15582	-0.000297			7
2	2	5.407	5.433	-0.026	73991	0.001004			7
						RPD = 368.37			
LOD = 0.000800									
20 Dieldrin									
1	1	4.963	4.960	0.003	20940	0.000133			7
2	2	5.743	5.717	0.026	26187	0.000916			7
						RPD = 149.19			
LOD = 0.000800									
23 4,4'-DDD									
1	1	5.293	5.280	0.013	42183	0.000876			
2	2	6.123	6.140	-0.017	85603	0.001617			
						RPD = 59.44			
25 Endosulfan II									
1	1	5.427	5.427	0.000	21050	0.000090			7
2	2	6.267	6.250	0.017	82612	0.001440			7
						RPD = 176.47			
LOD = 0.000800									
29 Endrin aldehyde									
1	1	5.853	5.857	-0.004	126873	0.003047			
2	2	6.580	6.593	-0.013	209851	0.003550			
						RPD = 15.25			
30 Methoxychlor									
1	1	6.070	6.073	-0.003	38848	0.001296			
2	2	7.187	7.157	0.030	90280	0.002188			
						RPD = 51.21			
31 Endosulfan sulfate									
1	1	6.330	6.303	0.027	77310	0.001932			
2	2	6.870	6.880	-0.010	121725	0.002228			
						RPD = 14.21			
33 Endrin ketone									
1	1	6.600	6.583	0.017	78469	0.001386			
2	2	7.427	7.423	0.004	28741	0.000947			
						RPD = 37.70			
$ 34 DCB Decachlorobiphenyl									
1	1	7.613	7.607	0.006	50414	0.000832			7
2	2	8.647	8.647	0.000	53917	0.000308			7
						RPD = 91.99			
LOD = 0.000800									

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\5_96112.D
Lims ID: 480-43118-G-5-A Client ID: OW-25
Inject. Date: 06-Aug-2013 14:16:19 Dil. Factor: 100.0000
Sample Type: Client
Sample ID: Name: 480-43118-G-5-A
Misc. Info.: Study: 480-0024104-013 Channel B: I/F Serial#, CN10520009
Operator: tchrom Instrument ID: HP6890-5
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 132512 Lims Sample ID: 13
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\8081-5.m
Last Update: 07-Aug-2013 15:32:10 Calib Date: 31-Jul-2013 20:12:49
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20130730-23918.b\5_96077.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK007

First Level Reviewer: RudzG Date: 07-Aug-2013 15:28:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									
1	1	2.400	2.390	0.010	66163	0.001363			
2	2	2.730	2.747	-0.017	1300368	0.0105			
						RPD = 154.12			
5 alpha-BHC									
1	1	2.803	2.800	0.003	24748083	0.2204			E
2	2	3.277	3.277	0.000	75514788	0.3639			E
						RPD = 49.11			
7 gamma-BHC (Lindane)									
1	1	3.067	3.050	0.017	228543	0.003500			
2	2	3.617	3.613	0.004	468350	0.003149			
						RPD = 10.55			
8 beta-BHC									
1	1	3.120	3.120	0.000	2914655	0.0866			
2	2	3.683	3.683	0.000	9305445	0.1401			
						RPD = 47.18			
9 delta-BHC									
1	1	3.270	3.270	0.000	157467	0.002824			
2	2	3.983	3.983	0.000	568721	0.003774			
						RPD = 28.80			
12 Aldrin									
1	1	3.713	3.730	-0.017	27893	0.000659			7
2	2	4.393	4.417	-0.024	77964	0.000885			7
						RPD = 29.20			
LOD = 0.000800									
15 gamma-Chlordane									
1	1	4.423	4.443	-0.020	8224	0.000709			7
2	2	5.197	5.217	-0.020	2958574	0.0234			7
						RPD = 188.22			
LOD = 0.000800									

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
20 Dieldrin									
1	1	4.953	4.960	-0.007	16281	0.000084			7
2	2	5.700	5.717	-0.017	14742	0.000826			7
						RPD = 162.93			
LOD = 0.000800									
22 Endrin									
1	1	5.203	5.197	0.006	2434730	0.0279			
2	2	6.017	6.033	-0.016	38411	0.001007			
						RPD = 186.05			
23 4,4'-DDD									
1	1	5.310	5.280	0.030	42118	0.000875			
2	2	6.113	6.140	-0.027	11523	0.000843			
						RPD = 3.71			
29 Endrin aldehyde									
1	1	5.830	5.857	-0.027	158921	0.003754			
2	2	6.567	6.593	-0.026	57203	0.001503			
						RPD = 85.66			
30 Methoxychlor									
1	1	6.083	6.073	0.010	2144	-0.000026			7
2	2	7.140	7.157	-0.017	48612	0.001293			7
						RPD = 208.35			
LOD = 0.000800									
33 Endrin ketone									
1	1	6.573	6.583	-0.010	58211	0.001068			
2	2	7.440	7.423	0.017	62924	0.001294			
						RPD = 19.11			
$ 34 DCB Decachlorobiphenyl									
1	1	7.613	7.607	0.006	2458	-0.000426			7
2	2	8.660	8.647	0.013	19682	-0.000245			7
						RPD = -53.78			
LOD = 0.000800									

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount
7 - Failed Limit of Detection

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\5_96115.D
Lims ID: 480-43118-D-6-A Client ID: OW-22
Inject. Date: 06-Aug-2013 15:08:53 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: Name: 480-43118-D-6-A
Misc. Info.: Study: 480-0024104-016 Channel B: I/F Serial#, CN10520009
Operator: tchrom Instrument ID: HP6890-5
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 132512 Lims Sample ID: 16
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\8081-5.m
Last Update: 07-Aug-2013 15:32:22 Calib Date: 31-Jul-2013 20:12:49
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20130730-23918.b\5_96077.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK007

First Level Reviewer: RudzG Date: 07-Aug-2013 15:29:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									
1	1	2.397	2.390	0.007	110022	0.001995			
2	2	2.747	2.747	0.000	382273	0.003136			
						RPD = 44.47			
5 alpha-BHC									
1	1	2.823	2.800	0.023	29993	0.001308			
2	2	3.277	3.277	0.000	35490	0.000831			
						RPD = 44.64			
7 gamma-BHC (Lindane)									
1	1	3.050	3.050	0.000	1317	0.000970			7
2	2	3.593	3.613	-0.020	45232	0.000767			7
						RPD = 23.32			
LOD = 0.000800									
8 beta-BHC									
1	1	3.123	3.120	0.003	3343	0.000516			7
2	2	3.687	3.683	0.004	6612	-0.000286			7
						RPD = 695.54			
LOD = 0.000800									
10 Heptachlor									
1	1	3.470	3.457	0.013	3125	0.000056			7
2	2	4.050	4.070	-0.020	4745	0.000336			7
						RPD = 143.16			
LOD = 0.000800									
14 Heptachlor epoxide									
1	1	4.297	4.320	-0.023	4180	-0.000178			7
2	2	5.007	5.017	-0.010	25237	0.000515			7
						RPD = 410.75			
LOD = 0.000800									

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\5_96117.D
Lims ID: 480-43118-D-8-A Client ID: OW-1
Inject. Date: 06-Aug-2013 15:43:54 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: Name: 480-43118-D-8-A
Misc. Info.: Study: 480-0024104-018 Channel B: I/F Serial#, CN10520009
Operator: tchrom Instrument ID: HP6890-5
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 132512 Lims Sample ID: 18
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\8081-5.m
Last Update: 07-Aug-2013 15:32:22 Calib Date: 31-Jul-2013 20:12:49
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20130730-23918.b\5_96077.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK007

First Level Reviewer: RudzG Date: 07-Aug-2013 15:31:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									
1	1	2.397	2.390	0.007	116203	0.002084			
2	2	2.747	2.747	0.000	1215375	0.009834			
						RPD = 130.05			
7 gamma-BHC (Lindane)									
1	1	3.053	3.050	0.003	40448	0.001406			
2	2	3.613	3.613	0.000	363866	0.002561			
						RPD = 58.26			
8 beta-BHC									
1	1	3.110	3.120	-0.010	24350	0.001137			
2	2	3.680	3.683	-0.003	174702	0.002252			
						RPD = 65.76			
14 Heptachlor epoxide									
1	1	4.313	4.320	-0.007	913	-0.000224			7
2	2	5.040	5.017	0.023	742496	0.006037			7
						RPD = 215.45			
LOD = 0.000800									
15 gamma-Chlordane									
1	1	4.430	4.443	-0.013	26047	0.000922			E
2	2	5.197	5.217	-0.020	68884464	0.5322			E
						RPD = 199.31			
17 alpha-Chlordane									
1	1	4.573	4.580	-0.007	4731	0.000722			7
2	2	5.373	5.370	0.003	1060	0.000396			7
						RPD = 58.35			
LOD = 0.000800									

FORM VII
PESTICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Lab Sample ID: CCV 480-132512/22 Calibration Date: 08/06/2013 16:54

Instrument ID: HP6890-5 Calib Start Date: 07/30/2013 16:06

GC Column: RTX-CLPII ID: 0.53(mm) Calib End Date: 07/30/2013 17:16

Lab File ID: 5_96121.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin1		208471260		0.0508	0.0500	1.6	15.0
gamma-BHC (Lindane)	Lin1		179040480		0.0509	0.0500	1.8	15.0
beta-BHC	Lin1		69147360		0.0518	0.0500	3.6	15.0
delta-BHC	Lin1		177797820		0.0510	0.0500	2.0	15.0
Heptachlor	Lin1		168488620		0.0507	0.0500	1.4	15.0
Aldrin	Lin1		156851000		0.0512	0.0500	2.3	15.0
Heptachlor epoxide	Lin1		131817160		0.0511	0.0500	2.1	15.0
gamma-Chlordane	Lin1		129490320		0.0505	0.0500	1.0	15.0
alpha-Chlordane	Lin1		121234120		0.0506	0.0500	1.2	15.0
Endosulfan I	Lin1		115891700		0.0512	0.0500	2.3	15.0
4,4'-DDE	Lin1		123070380		0.0504	0.0500	0.9	15.0
Dieldrin	Lin1		127236960		0.0507	0.0500	1.4	15.0
Endrin	Lin1		105782560		0.0479	0.0500	-4.3	15.0
4,4'-DDD	Lin1		95292260		0.0505	0.0500	1.0	15.0
Endosulfan II	Lin1		98126820		0.0504	0.0500	0.9	15.0
4,4'-DDT	Lin1		91278720		0.0469	0.0500	-6.2	15.0
Endrin aldehyde	Lin1		74360180		0.0506	0.0500	1.2	15.0
Endosulfan sulfate	Lin1		76842540		0.0456	0.0500	-8.8	15.0
Methoxychlor	Lin1		37524720		0.0406	0.0500	-18.8*	15.0
Endrin ketone	Lin1		82788360		0.0427	0.0500	-14.6	15.0
Tetrachloro-m-xylene	Lin1		128419760		0.0517	0.0500	3.4	15.0
DCB Decachlorobiphenyl	Lin1		78726420		0.0630	0.0500	26.1*	15.0

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\5_96104.D
Lims ID: LCS 480-132305/2-A Client ID:
Inject. Date: 06-Aug-2013 11:56:09 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: Name: LCS 480-132305/2-A
Misc. Info.: Study: 480-0024104-005 Channel B: I/F Serial#, CN10520009
Operator: tchrom Instrument ID: HP6890-5
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 132512 Lims Sample ID: 5
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-05\20130806-24104.b\8081-5.m
Last Update: 07-Aug-2013 15:32:10 Calib Date: 31-Jul-2013 20:12:49
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-05\20130730-23918.b\5_96077.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK007

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									
1	1	2.397	2.390	0.007	563374	0.008533			
2	2	2.747	2.747	0.000	1776586	0.0143			
						RPD = 50.83			
5 alpha-BHC									
1	1	2.807	2.800	0.007	2955905	0.0272			
2	2	3.277	3.277	0.000	8956706	0.0437			
						RPD = 46.48			
7 gamma-BHC (Lindane)									
1	1	3.057	3.050	0.007	3056460	0.0350			
2	2	3.617	3.613	0.004	7936895	0.0452			
						RPD = 25.45			
8 beta-BHC									
1	1	3.127	3.120	0.007	1203957	0.0360			
2	2	3.687	3.683	0.004	3028489	0.0453			
						RPD = 22.89			
9 delta-BHC									
1	1	3.277	3.270	0.007	3124647	0.0358			
2	2	3.987	3.983	0.004	8208484	0.0471			
						RPD = 27.45			
10 Heptachlor									
1	1	3.460	3.457	0.003	2682894	0.0346			
2	2	4.073	4.070	0.003	6582939	0.0397			
						RPD = 13.82			
12 Aldrin									
1	1	3.733	3.730	0.003	2086232	0.0270			
2	2	4.417	4.417	0.000	5345284	0.0350			
						RPD = 25.68			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
14 Heptachlor epoxide									
1	1	4.323	4.320	0.003	2862943	0.0407			
2	2	5.017	5.017	0.000	5939801	0.0460			
						RPD = 12.32			
15 gamma-Chlordane									
1	1	4.450	4.443	0.007	2970965	0.0360			
2	2	5.217	5.217	0.000	5802328	0.0453			
						RPD = 22.94			
17 alpha-Chlordane									
1	1	4.583	4.580	0.003	2744113	0.0356			
2	2	5.370	5.370	0.000	5598819	0.0468			
						RPD = 27.28			
18 4,4'-DDE									
1	1	4.670	4.667	0.003	2764482	0.0327			
2	2	5.540	5.540	0.000	5389520	0.0443			
						RPD = 30.18			
19 Endosulfan I									
1	1	4.723	4.717	0.006	2284261	0.0295			
2	2	5.433	5.433	0.000	4672851	0.0413			
						RPD = 33.25			
20 Dieldrin									
1	1	4.967	4.960	0.007	2901143	0.0304			
2	2	5.720	5.717	0.003	6153578	0.0491			
						RPD = 47.05			
22 Endrin									
1	1	5.203	5.197	0.006	3072930	0.0352			
2	2	6.037	6.033	0.004	5276161	0.0477			
						RPD = 30.16			
23 4,4'-DDD									
1	1	5.283	5.280	0.003	2414173	0.0318			
2	2	6.140	6.140	0.000	4549060	0.0482			
						RPD = 41.09			
25 Endosulfan II									
1	1	5.430	5.427	0.003	2393684	0.0344			
2	2	6.250	6.250	0.000	4291407	0.0442			
						RPD = 24.97			
26 4,4'-DDT									
1	1	5.573	5.567	0.006	2650331	0.0378			
2	2	6.467	6.463	0.004	4424081	0.0455			
						RPD = 18.38			
29 Endrin aldehyde									
1	1	5.863	5.857	0.006	2002826	0.0444			
2	2	6.597	6.593	0.004	3866335	0.0526			
						RPD = 16.86			
30 Methoxychlor									
1	1	6.080	6.073	0.007	1169078	0.0420			
2	2	7.157	7.157	0.000	2427713	0.0524			
						RPD = 22.04			

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-CLPI ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	DCPA1	#
OW-16	480-43118-1	133	
OW-23	480-43118-2	100	
OW-13	480-43118-3	128	
OW-24	480-43118-4	134	
OW-25	480-43118-5	453	X
OW-22	480-43118-6	143	X
OW-21	480-43118-7	102	
OW-1	480-43118-8	122	
OW-2	480-43118-9	116	
OW-14B	480-43118-10	117	
	MB 480-132602/1-A	98	
	LCS 480-132602/2-A	101	
OW-23 MS	480-43118-2 MS	102	
OW-23 MSD	480-43118-2 MSD	99	

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	40-135

Column to be used to flag recovery values

FORM II 8151A

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Lab Sample ID: CCV 480-132866/33 Calibration Date: 08/09/2013 05:14

Instrument ID: HP5890-13 Calib Start Date: 06/13/2013 03:30

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 06/13/2013 06:28

Lab File ID: 13_45033.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Qua		1413380		0.242	0.250	-3.1	15.0
Dichlorprop	Qua		1211016		0.263	0.250	5.1	15.0
2,4-D	Qua		1399892		0.263	0.250	5.0	15.0
Pentachlorophenol	Qua		11023872		0.289	0.250	15.4*	15.0
Silvex (2,4,5-TP)	Qua		4744192		0.285	0.250	14.2	15.0
2,4,5-T	Qua		4784248		0.290	0.250	15.9*	15.0
Picloram	Qua		3523212		0.311	0.250	24.3*	15.0
Dinoseb	Qua		2856436		0.281	0.250	12.2	15.0
2,4-Dichlorophenylacetic acid	Qua		1033218		0.509	0.500	1.9	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Lab Sample ID: CCV 480-132866/50 Calibration Date: 08/09/2013 15:55

Instrument ID: HP5890-13 Calib Start Date: 06/13/2013 03:30

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 06/13/2013 06:28

Lab File ID: 13_45050.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Qua		1439108		0.247	0.250	-1.1	15.0
Dichlorprop	Qua		1251380		0.273	0.250	9.1	15.0
2,4-D	Qua		1445312		0.272	0.250	8.9	15.0
Pentachlorophenol	Qua		11562796		0.306	0.250	22.6*	15.0
Silvex (2,4,5-TP)	Qua		4988504		0.302	0.250	20.6*	15.0
2,4,5-T	Qua		4857280		0.294	0.250	17.8*	15.0
Picloram	Qua		3545064		0.313	0.250	25.1*	15.0
Dinoseb	Qua		3351044		0.336	0.250	34.5*	15.0
2,4-Dichlorophenylacetic acid	Qua		1064046		0.527	0.500	5.4	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Lab Sample ID: CCV 480-132866/52 Calibration Date: 08/09/2013 16:54

Instrument ID: HP5890-13 Calib Start Date: 06/13/2013 03:30

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 06/13/2013 06:28

Lab File ID: 13_45052.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Qua		1448024		0.249	0.250	-0.5	15.0
Dichlorprop	Qua		1197612		0.260	0.250	3.8	15.0
2,4-D	Qua		1378852		0.258	0.250	3.3	15.0
Pentachlorophenol	Qua		11119036		0.292	0.250	16.7*	15.0
Silvex (2,4,5-TP)	Qua		4805736		0.289	0.250	15.8*	15.0
2,4,5-T	Qua		4683504		0.283	0.250	13.2	15.0
Picloram	Qua		3392872		0.299	0.250	19.6*	15.0
Dinoseb	Qua		3085568		0.306	0.250	22.5*	15.0
2,4-Dichlorophenylacetic acid	Qua		1042066		0.514	0.500	2.9	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-43118-1

SDG No.:

Lab Sample ID: CCV 480-132866/54 Calibration Date: 08/09/2013 17:54

Instrument ID: HP5890-13 Calib Start Date: 06/13/2013 03:30

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 06/13/2013 06:28

Lab File ID: 13_45054.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Qua		1451536		0.250	0.250	-0.2	15.0
Dichlorprop	Qua		1266740		0.277	0.250	10.6	15.0
2,4-D	Qua		1447460		0.273	0.250	9.1	15.0
Pentachlorophenol	Qua		11634972		0.309	0.250	23.5*	15.0
Silvex (2,4,5-TP)	Qua		5035136		0.305	0.250	21.8*	15.0
2,4,5-T	Qua		4906760		0.298	0.250	19.0*	15.0
Picloram	Qua		3650688		0.322	0.250	28.8*	15.0
Dinoseb	Qua		3308968		0.331	0.250	32.6*	15.0
2,4-Dichlorophenylacetic acid	Qua		1088396		0.541	0.500	8.2	15.0

OW-11

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Nash Rd. LF #932054
TestAmerica SDG#480-44407-1
November 2, 2021
Sampling date: 8/22/2013

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers, project located at Nash Rd. LF #932054, TestAmerica SDG#480-44407-1 submitted to Vali-Data of WNY, LLC on September 30, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260B), Semi-Volatile Organics (8270C), Pesticides (8081A), Herbicides(8151A) and Inorganics(6010B, 7470A).

ID	Sample ID	Laboratory ID
1	OW-11	480-44407-1

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

Sample: OW-11 was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes in which the RSD > 15.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except Di-n-butyl phthalate and Phenanthrene were detected above MDL, below the reporting limit and are qualified as estimated in MB 480-136379/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

Blank ID	Target analyte	Concentration(ug/L)	Qualifier	Associated Sample
MB 480-136379	Phenanthrene	.639	U at RL	1

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes in which the RSD >15.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of one of the target analytes was outside QC limits. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
CCVIS 480-136216/3	Bis(2-chloroisopropyl)ether	44.1	UJ	MB 480-136023, 1
CCVIS 480-136216/3	Phenol	22.0	UJ	MB 480-136023
CCVIS 480-136216/3	Phenol	22.0	J	LCS 480-136023, 1
CCVIS 480-136216/3	N-Nitrosodi-n-propylamine	26.9	UJ	MB 480-136023, 1
CCVIS 480-136216/3	N-Nitrosodi-n-propylamine	26.9	J	LCS 480-136023
CCVIS 480-136216/3	Dibenz(a,h)anthracene	28.7	UJ	MB 480-136023, 1

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Method Blank and Compound Quantitation.

Sample: OW-11 was diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except Endrin aldehyde and 4,4'-DDT were detected above the MDL,

below the reporting limit and are qualified as estimated in MB 480-136379/1-A. These target analytes should be qualified as undetected at the reporting limit in samples in which they were detected above the MDL but below the reporting limit. These target analytes should be qualified as estimated high in the associated samples in which they were detected above the reporting limit.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
MB 480-136379	Endrin aldehyde	.0230	U	none
MB 480-136379	4,4'-DDT	.0303	U at RL	1

The RPD of 4,4'-DDT was outside QC limits between the columns in MB 480-136379/1-A and should be qualified as estimated.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of some target analytes were outside QC limits between the columns and should be qualified as estimated.

Sample ID	Target Analyte/Surrogate	Qualifier
OW-11	d-BHC, 4,4'-DDE	J

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Continuing Calibration.

Sample: OW-11 was diluted due to high concentration of non-target analytes.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4-Dichlorophenylacetic acid was outside QC limits, high in one of the spikes and should be qualified as estimated. Target analytes detected in this spike should be qualified as estimated high.

Spike ID	%Rec RTX-CLPI	%Rec RTX-CLPII	Qualifier
LCSD 480-136017	142	-	JH

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all of the target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of some target analytes was outside QC limit. Associated samples, blanks and spikes should be qualified as estimated.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
CCV 480-136215/22	2,4,5-TP	24.4	UJ	MB 480-136017
CCV 480-136215/22	2,4,5-TP	24.4	J	LCS/SD 480-136017
CCV 480-136215/22	2,4,5-T	21.8	UJ	MB 480-136017
CCV 480-136215/22	2,4,5-T	21.8	J	LCS/SD 480-136017
CCV 480-136215/29	2,4-D	23.6	UJ	MB 480-136017, 1
CCV 480-136215/29	2,4-D	23.6	J	LCS/SD 480-136017
CCV 480-136215/29	2,4,5-TP	37.0	UJ	MB 480-136017, 1
CCV 480-136215/29	2,4,5-TP	37.0	J	LCS/SD 480-136017
CCV 480-136215/29	2,4,5-T	34.7	UJ	MB 480-136017,1
CCV 480-136215/29	2,4,5-T	34.7	J	LCS/SD 480-136017
CCV 480-136215/29	2,4-DCPAA	21.3	J	MB/LCS/SD 480-136017
CCV 480-136215/	2,4-D	19.6	UJ	1
CCV 480-136215/	2,4,5-TP	33.9	UJ	1
CCV 480-136215/	2,4,5-T	30.9	UJ	1
CCV 480-136215/	2,4-DCPAA	18.9	J	1

Some target analytes were outside laboratory QC limits but were within NFG QC limits, so no further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD/Duplicate
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
No MS/MSD/duplicate was acquired.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met.

Job Narrative
480-44407-1

Receipt
The sample was received on 8/22/2013 3:07 PM; the sample arrived in good condition, properly preserved and, where required, on ice.

GC/MS VOA
Method(s) 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: OW-11 (480-44407-1). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The continuing calibration verification (CCV) for 2,2'-oxybis[1-chloropropane] associated with batch 136216 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8270C: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 136216: Dibenz(a,h)anthracene, Indeno[1,2,3-cd]pyrene, N-Nitrosodi-n-propylamine, and Phenol. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for 4 analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The method blank for batch 136216 contained Phenanthrene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8270C: The laboratory control sample and the laboratory control sample duplicate (LCS/LCSD) for batch 136023 recovered outside control limits for the following analytes: 3-Nitroaniline and 4-Chloroaniline. 3-Nitroaniline and 4-Chloroaniline have been identified as poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081A: The ending continuing calibration verification (CCV) for Methoxychlor associated with batch 136493 recovered above the upper control limit for methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8081A: The following sample was diluted due to the nature of the sample matrix: OW-11 (480-44407-1). Elevated reporting limits (RLs) are provided.

Method(s) 8081A: The method blank MB 480-136379/1-A contained the analyte 4,4'-DDT above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8081A: All primary data is reported from the RTX-CLPII column.

Method(s) 8151A: The laboratory control sample duplicate (LCSD) for preparation batch 136017 recovered outside control limits for the surrogate 2,4-Dichlorophenylacetic acid. The spike recoveries were within control limits. The data has been reported and qualified.

Method(s) 8151A: Due to the level of dilution required for non-target compounds and matrix for the following sample, surrogate recoveries are not reported: OW-11 (480-44407-1).

Method(s) 8151A: All primary data is reported from the RTX-CLPI column.

Method(s) 8151A: The continuing calibration verifications (CCVs) (CCV 480-136215/22), (CCV 480-136215/29), (CCV 480-136215/36) recovered above the upper control limit for several compounds. The samples associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported.

No other analytical or quality issues were noted.

Metals
No analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Client: New York State D.E.C. Job Number: 480-44407-1

Client Sample ID: **OW-11**

Lab Sample ID: 480-44407-1 Date Sampled: 08/22/2013 1100
Client Matrix: Water Date Received: 08/22/2013 1507

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-136425	Instrument ID:	HP5975D
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	D4705.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/29/2013 0135			Final Weight/Volume:	5 mL
Prep Date:	08/29/2013 0135				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	2.3		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	2.2		0.78	1.0
1,4-Dichlorobenzene	10		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	5.5	J	3.0	10
Benzene	530	E	0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	45		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	40		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	1.0
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	8.5		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	15		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: New York State D.E.C. Job Number: 480-44407-1

Client Sample ID: **OW-11**

Lab Sample ID: 480-44407-1 Date Sampled: 08/22/2013 1100
Client Matrix: Water Date Received: 08/22/2013 1507

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-136425	Instrument ID:	HP5975D
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	D4705.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	08/29/2013 0135			Final Weight/Volume:	5 mL
Prep Date:	08/29/2013 0135				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		66 - 137
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	99		71 - 126

Client: New York State D.E.C. Job Number: 480-44407-1

Client Sample ID: **OW-11**

Lab Sample ID: 480-44407-1 Date Sampled: 08/22/2013 1100
Client Matrix: Water Date Received: 08/22/2013 1507

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-136630	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N0221.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	08/29/2013 2346	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	08/29/2013 2346				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	10
1,1,2,2-Tetrachloroethane	ND		2.1	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1	10
1,1,2-Trichloroethane	ND		2.3	10
1,1-Dichloroethane	ND		3.8	10
1,1-Dichloroethene	ND		2.9	10
1,2,4-Trichlorobenzene	ND		4.1	10
1,2-Dibromo-3-Chloropropane	ND		3.9	10
1,2-Dibromoethane	ND		7.3	10
1,2-Dichlorobenzene	ND		7.9	10
1,2-Dichloroethane	ND		2.1	10
1,2-Dichloropropane	ND		7.2	10
1,3-Dichlorobenzene	ND		7.8	10
1,4-Dichlorobenzene	11		8.4	10
2-Butanone (MEK)	ND		13	100
2-Hexanone	ND		12	50
4-Methyl-2-pentanone (MIBK)	ND		21	50
Acetone	ND		30	100
Benzene	540		4.1	10
Bromodichloromethane	ND		3.9	10
Bromoform	ND		2.6	10
Bromomethane	ND		6.9	10
Carbon disulfide	ND		1.9	10
Carbon tetrachloride	ND		2.7	10
Chlorobenzene	49		7.5	10
Chloroethane	ND		3.2	10
Chloroform	ND		3.4	10
Chloromethane	ND		3.5	10
cis-1,2-Dichloroethene	ND		8.1	10
cis-1,3-Dichloropropene	ND		3.6	10
Cyclohexane	47		1.8	10
Dibromochloromethane	ND		3.2	10
Dichlorodifluoromethane	ND		6.8	10
Ethylbenzene	ND		7.4	10
Isopropylbenzene	ND		7.9	10
Methyl acetate	ND		5.0	10
Methyl tert-butyl ether	ND		1.6	10
Methylcyclohexane	11		1.6	10
Methylene Chloride	ND		4.4	10
Styrene	ND		7.3	10
Tetrachloroethene	ND		3.6	10
Toluene	17		5.1	10
trans-1,2-Dichloroethene	ND		9.0	10
trans-1,3-Dichloropropene	ND		3.7	10
Trichloroethene	ND		4.6	10
Trichlorofluoromethane	ND		8.8	10

Client: New York State D.E.C. Job Number: 480-44407-1

Client Sample ID: **OW-11**

Lab Sample ID: 480-44407-1 Date Sampled: 08/22/2013 1100
Client Matrix: Water Date Received: 08/22/2013 1507

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-136630	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N0221.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	08/29/2013 2346	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	08/29/2013 2346				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		9.0	10
Xylenes, Total	ND		6.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	96		71 - 126

Client: New York State D.E.C. Job Number: 480-44407-1

Client Sample ID: **OW-11**

Lab Sample ID: 480-44407-1 Date Sampled: 08/22/2013 1100
Client Matrix: Water Date Received: 08/22/2013 1507

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-136216	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-136023	Lab File ID:	W003511.D
Dilution:	1.0			Initial Weight/Volume:	258.8 mL
Analysis Date:	08/28/2013 1027			Final Weight/Volume:	1 mL
Prep Date:	08/27/2013 0715			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.63	4.8
bis (2-chloroisopropyl) ether	ND		0.50	4.8
2,4,5-Trichlorophenol	ND		0.46	4.8
2,4,6-Trichlorophenol	ND		0.59	4.8
2,4-Dichlorophenol	ND		0.49	4.8
2,4-Dimethylphenol	1.5	J	0.48	4.8
2,4-Dinitrophenol	ND		2.1	9.7
2,4-Dinitrotoluene	ND		0.43	4.8
2,6-Dinitrotoluene	ND		0.39	4.8
2-Chloronaphthalene	ND		0.44	4.8
2-Chlorophenol	ND		0.51	4.8
2-Methylnaphthalene	ND		0.58	4.8
2-Methylphenol	ND		0.39	4.8
2-Nitroaniline	ND		0.41	9.7
2-Nitrophenol	ND		0.46	4.8
3,3'-Dichlorobenzidine	ND		0.39	4.8
3-Nitroaniline	ND	*	0.46	9.7
4,6-Dinitro-2-methylphenol	ND		2.1	9.7
4-Bromophenyl phenyl ether	ND		0.43	4.8
4-Chloro-3-methylphenol	ND		0.43	4.8
4-Chloroaniline	ND	*	0.57	4.8
4-Chlorophenyl phenyl ether	ND		0.34	4.8
4-Methylphenol	1.2	J	0.35	9.7
4-Nitroaniline	ND		0.24	9.7
4-Nitrophenol	ND		1.5	9.7
Acenaphthene	ND		0.40	4.8
Acenaphthylene	ND		0.37	4.8
Acetophenone	ND		0.52	4.8
Anthracene	ND		0.27	4.8
Atrazine	ND		0.44	4.8
Benzaldehyde	0.51	J	0.26	4.8
Benzo(a)anthracene	ND		0.35	4.8
Benzo(a)pyrene	ND		0.45	4.8
Benzo(b)fluoranthene	ND		0.33	4.8
Benzo(g,h,i)perylene	ND		0.34	4.8
Benzo(k)fluoranthene	ND		0.71	4.8
Bis(2-chloroethoxy)methane	ND		0.34	4.8
Bis(2-chloroethyl)ether	ND		0.39	4.8
Bis(2-ethylhexyl) phthalate	ND		1.7	4.8
Butyl benzyl phthalate	ND		0.41	4.8
Caprolactam	ND		2.1	4.8
Carbazole	ND		0.29	4.8
Chrysene	ND		0.32	4.8
Di-n-butyl phthalate	0.33	J	0.30	4.8
Di-n-octyl phthalate	ND		0.45	4.8
Dibenz(a,h)anthracene	ND		0.41	4.8

Client: New York State D.E.C. Job Number: 480-44407-1

Client Sample ID: **OW-11**

Lab Sample ID: 480-44407-1 Date Sampled: 08/22/2013 1100
Client Matrix: Water Date Received: 08/22/2013 1507

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-136216	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-136023	Lab File ID:	W003511.D
Dilution:	1.0			Initial Weight/Volume:	258.8 mL
Analysis Date:	08/28/2013 1027			Final Weight/Volume:	1 mL
Prep Date:	08/27/2013 0715			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.49	9.7
Diethyl phthalate	ND		0.21	4.8
Dimethyl phthalate	ND		0.35	4.8
Fluoranthene	ND		0.39	4.8
Fluorene	ND		0.35	4.8
Hexachlorobenzene	ND		0.49	4.8
Hexachlorobutadiene	ND		0.66	4.8
Hexachlorocyclopentadiene	ND		0.57	4.8
Hexachloroethane	ND		0.57	4.8
Indeno(1,2,3-cd)pyrene	ND		0.45	4.8
Isophorone	ND		0.42	4.8
N-Nitrosodi-n-propylamine	ND		0.52	4.8
N-Nitrosodiphenylamine	ND		0.49	4.8
Naphthalene	ND		0.73	4.8
Nitrobenzene	ND		0.28	4.8
Pentachlorophenol	ND		2.1	9.7
Phenanthrene	0.64	J B	0.43	4.8
Phenol	1.0	J	0.38	4.8
Pyrene	ND		0.33	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	104		39 - 146
2-Fluorobiphenyl	66		37 - 120
2-Fluorophenol	31		18 - 120
Nitrobenzene-d5	57		34 - 132
p-Terphenyl-d14	69		58 - 147
Phenol-d5	23		11 - 120

Client: New York State D.E.C. Job Number: 480-44407-1

Client Sample ID: **OW-11**

Lab Sample ID: 480-44407-1 Date Sampled: 08/22/2013 1100
Client Matrix: Water Date Received: 08/22/2013 1507

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-136493	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-136379	Initial Weight/Volume:	255.6 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	08/29/2013 1422			Injection Volume:	1 uL
Prep Date:	08/28/2013 1438			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.045	0.24
4,4'-DDE	0.078	J	0.057	0.24
4,4'-DDT	0.22	J B	0.054	0.24
Aldrin	ND		0.032	0.24
alpha-BHC	0.24		0.032	0.24
alpha-Chlordane	ND		0.072	0.24
beta-BHC	0.35		0.12	0.24
delta-BHC	0.063	J	0.049	0.24
Dieldrin	ND		0.048	0.24
Endosulfan I	ND		0.054	0.24
Endosulfan II	ND		0.059	0.24
Endosulfan sulfate	ND		0.077	0.24
Endrin	ND		0.067	0.24
Endrin aldehyde	ND		0.080	0.24
Endrin ketone	ND		0.059	0.24
gamma-BHC (Lindane)	ND		0.029	0.24
gamma-Chlordane	ND		0.054	0.24
Heptachlor	ND		0.042	0.24
Heptachlor epoxide	ND		0.026	0.24
Methoxychlor	ND		0.069	0.24
Toxaphene	ND		0.59	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	35		20 - 120
Tetrachloro-m-xylene	103		36 - 120

Client: New York State D.E.C. Job Number: 480-44407-1

Client Sample ID: **OW-11**

Lab Sample ID: 480-44407-1 Date Sampled: 08/22/2013 1100
Client Matrix: Water Date Received: 08/22/2013 1507

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-136215	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-136017	Initial Weight/Volume:	1015.5 mL
Dilution:	10			Final Weight/Volume:	10 mL
Analysis Date:	08/29/2013 0604			Injection Volume:	1 uL
Prep Date:	08/27/2013 0542			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		1.5	4.9
Silvex (2,4,5-TP)	ND		3.5	4.9
2,4-D	ND		3.9	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	79		40 - 135

Client: New York State D.E.C. Job Number: 480-44407-1

Client Sample ID: **OW-11**

Lab Sample ID: 480-44407-1 Date Sampled: 08/22/2013 1100
Client Matrix: Water Date Received: 08/22/2013 1507

6010B Metals (ICP)

Analysis Method:	6010B	Analysis Batch:	480-135856	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-135529	Lab File ID:	I2082313B-1.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	08/23/2013 1759			Final Weight/Volume:	50 mL
Prep Date:	08/23/2013 0820				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	ND		0.0056	0.010
Barium	0.16		0.00070	0.0020
Cadmium	0.0070		0.00050	0.0010
Chromium	0.0093		0.0010	0.0040
Lead	0.062		0.0030	0.0050
Selenium	ND		0.0087	0.015
Silver	ND		0.0017	0.0030

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-135676	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-135544	Lab File ID:	H08233W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	08/23/2013 1314			Final Weight/Volume:	50 mL
Prep Date:	08/23/2013 0835				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	0.00025		0.00012	0.00020

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-44407-1

SDG No.:

Lab Sample ID: CCVIS 480-136216/3 Calibration Date: 08/28/2013 07:14

Instrument ID: HP5973W Calib Start Date: 08/07/2013 00:25

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 08/07/2013 03:08

Lab File ID: W003504.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6582	0.6038	0.0100	7340	8000	-8.3	100.0
N-Nitrosodimethylamine	Ave	0.7377	0.9779	0.0100	10600	8000	32.6*	25.0
Pyridine	Ave	0.9263	1.025	0.0100	8850	8000	10.6	100.0
Phenol	Ave	1.589	1.939	0.0100	9760	8000	22.0*	20.0
Aniline	Ave	1.935	2.081	0.0100	8600	8000	7.5	100.0
Bis(2-chloroethyl)ether	Ave	1.188	1.155	0.0100	7780	8000	-2.8	20.0
2-Chlorophenol	Ave	1.416	1.477	0.0100	8350	8000	4.3	20.0
1,3-Dichlorobenzene	Ave	1.581	1.678	0.0100	8490	8000	6.1	20.0
1,4-Dichlorobenzene	Ave	1.659	1.746	0.0100	8420	8000	5.2	20.0
Benzyl alcohol	Ave	0.7672	0.7589	0.0100	7910	8000	-1.1	100.0
1,2-Dichlorobenzene	Ave	1.547	1.608	0.0100	8310	8000	3.9	20.0
bis (2-chloroisopropyl) ether	Lin1		1.698	0.0100	11500	8000	44.1*	20.0
2-Methylphenol	Ave	1.198	1.323	0.0100	8840	8000	10.5	20.0
Acetophenone	Ave	1.960	2.518	0.0100	10300	8000	28.5	40.0
N-Nitrosodi-n-propylamine	Ave	0.9015	1.144	0.0500	10200	8000	26.9*	20.0
4-Methylphenol	Ave	1.255	1.471	0.0100	9380	8000	17.3	20.0
Hexachloroethane	Ave	0.7127	0.8272	0.0100	9280	8000	16.1	20.0
Nitrobenzene	Ave	0.4005	0.4338	0.0100	8670	8000	8.3	20.0
Isophorone	Ave	0.6330	0.6459	0.0100	8160	8000	2.0	20.0
2-Nitrophenol	Ave	0.1968	0.1975	0.0100	8030	8000	0.3	20.0
2,4-Dimethylphenol	Ave	0.3937	0.4257	0.0100	8650	8000	8.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.3688	0.3617	0.0100	7850	8000	-1.9	20.0
2,4-Dichlorophenol	Ave	0.3125	0.3044	0.0100	7790	8000	-2.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3527	0.3838	0.0100	8710	8000	8.8	20.0
Naphthalene	Ave	1.042	1.073	0.0100	8230	8000	2.9	20.0
4-Chloroaniline	Ave	0.4109	0.4165	0.0100	8110	8000	1.3	20.0
Hexachlorobutadiene	Ave	0.2408	0.2691	0.0100	8940	8000	11.8	20.0
4-Chloro-3-methylphenol	Ave	0.3249	0.3021	0.0100	7440	8000	-7.0	20.0
2-Methylnaphthalene	Ave	0.6883	0.7462	0.0100	8670	8000	8.4	20.0
Hexachlorocyclopentadiene	Qua		0.4320	0.0500	7470	8000	-6.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6451	0.7196	0.0100	8920	8000	11.6	40.0
2,4,6-Trichlorophenol	Ave	0.3974	0.3832	0.0100	7710	8000	-3.6	20.0
2,4,5-Trichlorophenol	Ave	0.4187	0.4389	0.0100	8380	8000	4.8	20.0
Biphenyl	Ave	1.547	1.677	0.0100	8670	8000	8.4	40.0
2-Chloronaphthalene	Ave	1.224	1.282	0.0100	8380	8000	4.7	25.0
2-Nitroaniline	Ave	0.3782	0.3757	0.0100	7950	8000	-0.7	20.0
Dimethyl phthalate	Ave	1.302	1.222	0.0100	7510	8000	-6.1	20.0
1,3-Dinitrobenzene	Ave	0.1059	0.0939	0.0100	7090	8000	-11.4	100.0
2,6-Dinitrotoluene	Ave	0.2906	0.2754	0.0100	7580	8000	-5.2	25.0
Acenaphthylene	Ave	1.906	1.942	0.0100	8150	8000	1.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-44407-1

SDG No.:

Lab Sample ID: CCVIS 480-136216/3 Calibration Date: 08/28/2013 07:14

Instrument ID: HP5973W Calib Start Date: 08/07/2013 00:25

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 08/07/2013 03:08

Lab File ID: W003504.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
3-Nitroaniline	Ave	0.2999	0.2803	0.0100	7480	8000	-6.5	20.0
Acenaphthene	Ave	1.219	1.337	0.0100	8770	8000	9.7	20.0
2,4-Dinitrophenol	Lin1		0.1507	0.0500	13000	16000	-18.5	20.0
4-Nitrophenol	Ave	0.2770	0.2588	0.0500	14900	16000	-6.6	20.0
2,4-Dinitrotoluene	Ave	0.3784	0.3677	0.0100	7770	8000	-2.8	20.0
Dibenzofuran	Ave	1.646	1.695	0.0100	8240	8000	3.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3155	0.2820	0.0100	7150	8000	-10.6	40.0
Diethyl phthalate	Ave	1.357	1.387	0.0100	8180	8000	2.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.5991	0.6559	0.0100	8760	8000	9.5	20.0
Fluorene	Ave	1.299	1.370	0.0100	8440	8000	5.5	20.0
4-Nitroaniline	Ave	0.2837	0.2634	0.0100	7430	8000	-7.2	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1425	0.1517	0.0100	17000	16000	6.5	20.0
1,2-Diphenylhydrazine	Ave	1.432	1.707	0.0100	9540	8000	19.2	25.0
trans-Azobenzene	Ave	0.9565	1.162	0.0100	9720	8000	21.5	40.0
4-Bromophenyl phenyl ether	Ave	0.2325	0.2612	0.0100	8990	8000	12.3	20.0
Hexachlorobenzene	Ave	0.2655	0.3059	0.0100	9220	8000	15.2	20.0
Pentachlorophenol	Qua		0.1544	0.0100	15100	16000	-5.5	20.0
Phenanthrene	Ave	1.122	1.202	0.0100	8570	8000	7.1	20.0
Anthracene	Ave	1.151	1.227	0.0100	8530	8000	6.6	20.0
Carbazole	Ave	1.014	0.9893	0.0100	7810	8000	-2.4	20.0
Di-n-butyl phthalate	Ave	1.380	1.378	0.0100	7990	8000	-0.2	20.0
Fluoranthene	Ave	1.125	1.183	0.0100	8410	8000	5.1	20.0
Pyrene	Ave	1.197	1.154	0.0100	7710	8000	-3.6	20.0
Butyl benzyl phthalate	Ave	0.6329	0.5446	0.0100	6880	8000	-14.0	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8978	0.7904	0.0100	7040	8000	-12.0	20.0
Benzo(a)anthracene	Ave	1.091	1.038	0.0100	7610	8000	-4.9	20.0
Chrysene	Ave	0.9948	0.9426	0.0100	7580	8000	-5.2	20.0
Di-n-octyl phthalate	Ave	1.492	1.390	0.0100	7450	8000	-6.9	20.0
Benzo(b)fluoranthene	Ave	1.164	1.072	0.0100	7370	8000	-7.8	20.0
Benzo(k)fluoranthene	Ave	1.144	1.138	0.0100	7960	8000	-0.6	20.0
Benzo(a)pyrene	Ave	1.082	1.095	0.0100	8100	8000	1.2	20.0
Indeno(1,2,3-cd)pyrene	Ave	1.218	1.508	0.0100	9900	8000	23.8*	20.0
Dibenz(a,h)anthracene	Ave	1.016	1.307	0.0100	10300	8000	28.7*	20.0
Benzo(g,h,i)perylene	Ave	0.9948	1.075	0.0100	8640	8000	8.0	20.0
2-Fluorophenol	Ave	1.269	1.240	0.0100	7820	8000	-2.3	25.0
Phenol-d5	Ave	1.559	1.514	0.0100	7770	8000	-2.8	25.0
Nitrobenzene-d5	Ave	0.4155	0.4332	0.0100	8340	8000	4.2	25.0
2-Fluorobiphenyl	Ave	1.457	1.677	0.0100	9210	8000	15.1	25.0
2,4,6-Tribromophenol	Ave	0.1394	0.1528	0.0100	8770	8000	9.6	25.0
p-Terphenyl-d14	Ave	0.8460	0.8600	0.0100	8130	8000	1.7	25.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-44407-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-136023/1-A

Matrix: Water | Lab File ID: W003506.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 08/27/2013 07:15

Sample wt/vol: 250(mL) | Date Analyzed: 08/28/2013 08:09

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 136216 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	ND		5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	0.639	J	5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-25\20130829-24784.b\25_56117.D
Lims ID: 480-44407-F-1-A Client ID: OW-11
Inject. Date: 29-Aug-2013 14:22:36 Dil. Factor: 5.0000
Sample Type: Client
Sample ID: #: Name:
Misc. Info.: Study: 480-0024102-003 Channel B: I/F Serial#, CN10839003
Operator: tchrom Instrument ID: HP6890-25
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 136493 Lims Sample ID: 16
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-25\20130829-24784.b\8081-25.m
Last Update: 30-Aug-2013 13:22:16 Calib Date: 25-Jul-2013 11:09:20
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-25\20130724-23732.b\25_54195.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK003

First Level Reviewer: WolfL Date: 30-Aug-2013 13:12:33

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									
1	1	2.177	2.187	-0.010	340784	0.002251			
2	2	2.510	2.517	-0.007	54531	0.004136			
						RPD = 59.03			
6 alpha-BHC									M
1	1	2.553	2.563	-0.010	1097124	0.004862			
2	2	2.987	2.997	-0.010	117748	0.006082			M
						RPD = 22.30			
8 beta-BHC									
1	1	2.843	2.857	-0.014	949242	0.0113			
2	2	3.363	3.373	-0.010	70889	0.008912			
						RPD = 23.44			
9 delta-BHC									
1	1	2.977	2.993	-0.016	192256	0.000868			
2	2	3.620	3.653	-0.033	16224	0.001609			
						RPD = 59.87			
18 4,4'-DDE									
1	1	4.310	4.310	0.000	726544	0.003995			
2	2	5.197	5.187	0.010	23114	0.002004			
						RPD = 66.38			

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-44407-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-136379/1-A

Matrix: Water | Lab File ID: 25_56105.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 08/28/2013 14:38

Sample wt/vol: 250(mL) | Date Analyzed: 08/29/2013 09:44

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 136493 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		0.050	0.0092
72-55-9	4,4'-DDE	ND		0.050	0.012
50-29-3	4,4'-DDT	0.0303	J	0.050	0.011
309-00-2	Aldrin	ND		0.050	0.0066
319-84-6	alpha-BHC	ND		0.050	0.0066
5103-71-9	alpha-Chlordane	ND		0.050	0.015
319-85-7	beta-BHC	ND		0.050	0.025
319-86-8	delta-BHC	ND		0.050	0.010
60-57-1	Dieldrin	ND		0.050	0.0098
959-98-8	Endosulfan I	ND		0.050	0.011
33213-65-9	Endosulfan II	ND		0.050	0.012
1031-07-8	Endosulfan sulfate	ND		0.050	0.016
72-20-8	Endrin	ND		0.050	0.014
7421-93-4	Endrin aldehyde	0.0230	J	0.050	0.016
53494-70-5	Endrin ketone	ND		0.050	0.012
58-89-9	gamma-BHC (Lindane)	ND		0.050	0.0060
5103-74-2	gamma-Chlordane	ND		0.050	0.011
76-44-8	Heptachlor	ND		0.050	0.0085
1024-57-3	Heptachlor epoxide	ND		0.050	0.0053
72-43-5	Methoxychlor	ND		0.050	0.014
8001-35-2	Toxaphene	ND		0.50	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	55		20-120
877-09-8	Tetrachloro-m-xylene	65		36-120

FORM II
HERBICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-44407-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-CLPI ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	DCPA1	#
OW-11	480-44407-1	79	
	MB 480-136017/1-A	130	
	LCS 480-136017/2-A	132	
	LCSD 480-136017/3-A	142	X

	QC LIMITS
DCPA = 2,4-Dichlorophenylacetic acid	40-135

Column to be used to flag recovery values

FORM II 8151A

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-44407-1

SDG No.:

Lab Sample ID: CCV 480-136215/22 Calibration Date: 08/28/2013 13:38

Instrument ID: HP5890-13 Calib Start Date: 06/13/2013 03:30

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 06/13/2013 06:28

Lab File ID: 13_45241.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Qua		1514580		0.262	0.250	4.7	15.0
Dichlorprop	Qua		1153840		0.249	0.250	-0.5	15.0
2,4-D	Qua		1301436		0.242	0.250	-3.3	15.0
Pentachlorophenol	Qua		11964728		0.320	0.250	28.0*	15.0
Silvex (2,4,5-TP)	Qua		5130776		0.311	0.250	24.4*	15.0
2,4,5-T	Qua		5010556		0.304	0.250	21.8*	15.0
Picloram	Qua		3443524		0.304	0.250	21.4*	15.0
Dinoseb	Qua		3350336		0.336	0.250	34.5*	15.0
2,4-Dichlorophenylacetic acid	Qua		1127300		0.563	0.500	12.6	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-44407-1

SDG No.:

Lab Sample ID: CCV 480-136215/29 Calibration Date: 08/28/2013 17:06

Instrument ID: HP5890-13 Calib Start Date: 06/13/2013 03:30

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 06/13/2013 06:28

Lab File ID: 13_45248.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Qua		1651812		0.288	0.250	15.3*	15.0
Dichlorprop	Qua		1430464		0.317	0.250	27.0*	15.0
2,4-D	Qua		1616296		0.309	0.250	23.6*	15.0
Pentachlorophenol	Qua		12975016		0.356	0.250	42.3*	15.0
Silvex (2,4,5-TP)	Qua		5605468		0.343	0.250	37.0*	15.0
2,4,5-T	Qua		5501220		0.337	0.250	34.7*	15.0
Picloram	Qua		4086148		0.361	0.250	44.5*	15.0
Dinoseb	Qua		3655592		0.372	0.250	48.6*	15.0
2,4-Dichlorophenylacetic acid	Qua		1202232		0.606	0.500	21.3*	15.0

FORM VII
HERBICIDES CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Buffalo Job No.: 480-44407-1

SDG No.:

Lab Sample ID: CCV 480-136215/36 Calibration Date: 08/29/2013 06:34

Instrument ID: HP5890-13 Calib Start Date: 06/13/2013 03:30

GC Column: RTX-CLPI ID: 0.32(mm) Calib End Date: 06/13/2013 06:28

Lab File ID: 13_45255.D Conc. Units: ng/uL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dalapon	Qua		1601684		0.278	0.250	11.4	15.0
Dichlorprop	Qua		1401080		0.310	0.250	24.0*	15.0
2,4-D	Qua		1569688		0.299	0.250	19.6*	15.0
Pentachlorophenol	Qua		12705420		0.346	0.250	38.4*	15.0
Silvex (2,4,5-TP)	Qua		5489244		0.335	0.250	33.9*	15.0
2,4,5-T	Qua		5358152		0.327	0.250	30.9*	15.0
Picloram	Qua		3872392		0.342	0.250	36.8*	15.0
Dinoseb	Qua		3578628		0.363	0.250	45.0*	15.0
2,4-Dichlorophenylacetic acid	Qua		1181254		0.594	0.500	18.9*	15.0

SW-1, SW-2, SW-3, SW-4, SW-5, SW-6 & SW-7

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Nash Rd. LF #932054
TestAmerica SDG#480-39120-1
October 29, 2021
Sampling date: 5/29/2013

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers, project located at Nash Rd. LF #932054, TestAmerica SDG#480-39120-1 submitted to Vali-Data of WNY, LLC on September 30, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260B), Semi-Volatile Organics (8270C), Pesticides (8081A) and Herbicides(8151A).

ID	Sample ID	Laboratory ID
1	SW-4	480-39120-1
2	SW-5	480-39120-2
3	SW-1	480-39120-3
4	SW-6	480-39120-4
5	SW-2	480-39120-5
6	SW-3	480-39120-6
7	SW-7	480-39120-7

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

All of the samples were diluted due to foaming.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes in which the RSD > 15.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank and Surrogate Spike Recoveries.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except p-Terphenyl-d_{14} was outside QC limits, low in SW-4, SW-1, SW-6, and SW-2. The following target analytes should be qualified as undetected estimated in these samples.

Pyrene	Bis(2-ethylhexyl)phthalate	Benzo(b)fluoranthene
Butylbenzylphthalate	Chrysene	Benzo(k)fluoranthene
3,3'-Dichlorobenzidine	Di-n-octylphthalate	Benzo(a)pyrene
Benzo(a)anthracene	Indeno(1,2,3-cd)pyrene	Dibenzo(a,h)anthracene
Benzo(g,h,i)perylene		

METHOD BLANK
All the criteria were met except Di-n-butyl phthalate and Phenanthrene were detected above MDL, below the reporting limit and are qualified as estimated in MB 480-121112/1-A. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

Blank ID	Target analyte	Concentration(ug/L)	Qualifier	Associated Sample
MB 480-121112	Di-n-butyl phthalate	.642	U at RL	1-7
MB 480-121112	Phenanthrene	.484	none	none

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes in which the RSD >15.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Method Blank, Laboratory Control Samples, Surrogate Spike Recoveries and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except DCBP was outside QC limits, low in SW-5, SW-6, SW-2, SW-3 and SW-7 and should be qualified as estimated. Target analytes in these samples should be qualified as estimated.
Some surrogate spike recoveries were outside laboratory QC limits due to dilution, so no further action is required.

METHOD BLANK
All the criteria were met except Endrin aldehyde was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-121378/1-A. This target analyte was not detected in the associated samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of gamma-Chlordane and Methoxychlor was outside QC limits between the columns in LCS 480-121378/2-A and should be qualified as estimated.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met except the RPD of some target analytes were outside QC limits between the columns and should be qualified as estimated.

Sample ID	Target Analyte/Surrogate	Qualifier
SW-5	4,4'-DDE, a-BHC, g-Chlordane	J
SW-2	a-BHC, g-BHC, Aldrin, g-Chlordane	J
SW-3	g-BHC, Heptachlor epoxide	J
SW-7	g-BHC	J

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4-Dichlorophenylacetic acid was outside QC limits, high in some of the samples and spikes and should be qualified as estimated. Target analytes detected in these samples and spikes should be qualified as estimated high.

Sample ID	%Rec RTX-CLPI	%Rec RTX-CLPII	Qualifier
SW-6	-	219	none
LCS 480-121371	188	-	JH
SW-4MS	149	-	JH
SW-4MSD	165	-	JH

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all of the target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but were within NFG QC limits, so no further action is required.

Job Narrative
480-39120-1

Comments
No additional comments.

Receipt
The samples were received on 5/29/2013 2:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.2º C.

GC/MS VOA
Method(s) 8260B: The following volatiles sample(s) was diluted due to foaming at the time of purging during the original sample analysis: SW-1 (480-39120-3), SW-2 (480-39120-5), SW-3 (480-39120-6), SW-4 (480-39120-1), SW-5 (480-39120-2), SW-6 (480-39120-4), SW-7 (480-39120-7). Elevated reporting limits (RLs) are provided.

No other analytical or quality issues were noted.

GC/MS Semi VOA
Method(s) 8270C: The following samples contained one acid and/or one base surrogate outside acceptance limits: SW-1 (480-39120-3), SW-2 (480-39120-5), SW-4 (480-39120-1), SW-6 (480-39120-4). The laboratory's SOP allows one acid surrogate and/or one base surrogate to be outside acceptance limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method(s) 8270C: The following compounds were outside control limits in the continuing calibration verification (CCV) associated with batch 121443: Benzo[g,h,i]perylene, Dibenz(a,h)anthracene, and Indeno[1,2,3-cd]pyrene. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and the laboratory defaults to in-house and/or project-specific criteria for evaluation. Due to the large number of analytes contained in the CCV, the laboratory's SOP allows for 4 analytes to be outside limits; therefore, the data have been reported.

Method(s) 8270C: The method blank for batch 121112 contained Di-n-butyl phthalate and Phenanthrene above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No other analytical or quality issues were noted.

GC Semi VOA
Method(s) 8081A: The following samples were diluted due to the heavy nature of the sample matrix: SW-1 (480-39120-3), SW-4 (480-39120-1). The highly colored and viscous extract was copper treated to minimize sulfur interferences, filtered and screened to determine the lowest possible dilution that could be utilized. Surrogate recoveries are not reported or not representative, and elevated reporting limits (RLs) are provided due to the nature of the sample matrix and the composition of the extract.

Method(s) 8081A: For method 8081, the recovery of the one surrogate in samples SW-7 (480-39120-7) exceeds quality control limits due to the sample matrix. The recovery of the secondary surrogate is within quality control criteria; no corrective action is required.

Method(s) 8081A: All primary data is reported from the RTX-CLP-II column.
The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness

Method(s) 8081A: The percent difference in the associated continuing calibration verification (CCV) for 4,4'-DDT & Methoxychlor are slightly decreased exceeded 15% on the RTX-CLPII column; (CCV 480-121710/15) . This associated sample data is is non-detect for these compounds, and subsequent continuing calibration verifications demonstrated compliance with routine quality control criteria, verifying the temporary nature of this effect.

Method(s) 8151A: The continuing calibration verification (CCV 480-121704/43) recovered the analytes Silvex (2,4,5-TP) and 2,4,5-T above the upper control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 8151A: Surrogate recovery for the following sample was outside the upper control limit: SW-6 (480-39120-4). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8151A: The matrix spike / matrix spike duplicate (MS/MSD) surrogate recoveries associated with preparation batch 121371 were elevated: (480-39120-1 MS), (480-39120-1 MSD). Matrix interference is suspected. The spike recoveries were compliant; therefore, the data was reported.

Method(s) 8151A: The laboratory control sample (LCS) (LCS 480-121371/2-A) was elevated and recovered outside control limits for the following: 2,4-Dichlorophenylacetic acid (surrogate). The associated spike recoveries are compliant; therefore, the data have been reported.

Method(s) 8151A: All primary data is reported from the RTX-CLPI column.

Method(s) 8151A: The surrogate percent difference in the associated continuing calibration verifications (CCV 480-121704/43), (CCV 480-121704/47), (CCV 480-121704/15) and (CCV 480-121704/26) for 2,4-Dichlorophenylacetic acid exceeded 15% on the RTX-CLPI column, indicating a high bias.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted.

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-4**

Lab Sample ID: 480-39120-1 Date Sampled: 05/29/2013 1130
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7195.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0330			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0330				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		8.2	10
1,1,2,2-Tetrachloroethane	ND		2.1	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		3.1	10
1,1,2-Trichloroethane	ND		2.3	10
1,1-Dichloroethane	ND		3.8	10
1,1-Dichloroethene	ND		2.9	10
1,2,4-Trichlorobenzene	ND		4.1	10
1,2-Dibromo-3-Chloropropane	ND		3.9	10
1,2-Dibromoethane	ND		7.3	10
1,2-Dichlorobenzene	ND		7.9	10
1,2-Dichloroethane	ND		2.1	10
1,2-Dichloropropane	ND		7.2	10
1,3-Dichlorobenzene	ND		7.8	10
1,4-Dichlorobenzene	ND		8.4	10
2-Butanone (MEK)	ND		13	100
2-Hexanone	ND		12	50
4-Methyl-2-pentanone (MIBK)	ND		21	50
Acetone	ND		30	100
Benzene	ND		4.1	10
Bromodichloromethane	ND		3.9	10
Bromoform	ND		2.6	10
Bromomethane	ND		6.9	10
Carbon disulfide	ND		1.9	10
Carbon tetrachloride	ND		2.7	10
Chlorobenzene	ND		7.5	10
Chloroethane	ND		3.2	10
Chloroform	ND		3.4	10
Chloromethane	ND		3.5	10
cis-1,2-Dichloroethene	ND		8.1	10
cis-1,3-Dichloropropene	ND		3.6	10
Cyclohexane	ND		1.8	10
Dibromochloromethane	ND		3.2	10
Dichlorodifluoromethane	ND		6.8	10
Ethylbenzene	ND		7.4	10
Isopropylbenzene	ND		7.9	10
Methyl acetate	ND		5.0	10
Methyl tert-butyl ether	ND		1.6	10
Methylcyclohexane	ND		1.6	10
Methylene Chloride	ND		4.4	10
Styrene	ND		7.3	10
Tetrachloroethene	ND		3.6	10
Toluene	ND		5.1	10
trans-1,2-Dichloroethene	ND		9.0	10
trans-1,3-Dichloropropene	ND		3.7	10
Trichloroethene	ND		4.6	10
Trichlorofluoromethane	ND		8.8	10

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-4**

Lab Sample ID: 480-39120-1 Date Sampled: 05/29/2013 1130
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7195.D
Dilution:	10			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0330			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0330				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		9.0	10
Xylenes, Total	ND		6.6	20

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		66 - 137
4-Bromofluorobenzene (Surr)	95		73 - 120
Toluene-d8 (Surr)	96		71 - 126

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-5**

Lab Sample ID: 480-39120-2 Date Sampled: 05/29/2013 1140
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7196.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0354			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0354				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		2.5	5.0
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-5**

Lab Sample ID: 480-39120-2 Date Sampled: 05/29/2013 1140
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7196.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0354			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0354				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-1**

Lab Sample ID: 480-39120-3 Date Sampled: 05/29/2013 1155
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7197.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0418			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0418				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		2.5	5.0
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-1**

Lab Sample ID: 480-39120-3 Date Sampled: 05/29/2013 1155
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7197.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0418			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0418				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
4-Bromofluorobenzene (Surr)	96		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-6**

Lab Sample ID: 480-39120-4 Date Sampled: 05/29/2013 1210
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7198.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0441			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0441				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		2.5	5.0
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-6**

Lab Sample ID: 480-39120-4 Date Sampled: 05/29/2013 1210
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7198.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0441			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0441				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-2**

Lab Sample ID: 480-39120-5 Date Sampled: 05/29/2013 1225
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7199.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0505			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		2.5	5.0
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-2**

Lab Sample ID: 480-39120-5 Date Sampled: 05/29/2013 1225
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7199.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0505			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0505				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	96		71 - 126

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-3**

Lab Sample ID: 480-39120-6 Date Sampled: 05/29/2013 1235
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7200.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0529			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0529				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		2.5	5.0
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-3**

Lab Sample ID: 480-39120-6 Date Sampled: 05/29/2013 1235
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7200.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0529			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0529				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
4-Bromofluorobenzene (Surr)	98		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-7**

Lab Sample ID: 480-39120-7 Date Sampled: 05/29/2013 1250
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7201.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0552			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0552				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND		2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		2.5	5.0
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-7**

Lab Sample ID: 480-39120-7 Date Sampled: 05/29/2013 1250
Client Matrix: Water Date Received: 05/29/2013 1430

8260B Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B	Analysis Batch:	480-121067	Instrument ID:	HP5973N
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	N7201.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/30/2013 0552			Final Weight/Volume:	5 mL
Prep Date:	05/30/2013 0552				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
4-Bromofluorobenzene (Surr)	97		73 - 120
Toluene-d8 (Surr)	96		71 - 126

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-4**

Lab Sample ID: 480-39120-1 Date Sampled: 05/29/2013 1130
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001481.D
Dilution:	1.0			Initial Weight/Volume:	267.6 mL
Analysis Date:	05/31/2013 1818			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.61	4.7
bis (2-chloroisopropyl) ether	ND		0.49	4.7
2,4,5-Trichlorophenol	ND		0.45	4.7
2,4,6-Trichlorophenol	ND		0.57	4.7
2,4-Dichlorophenol	ND		0.48	4.7
2,4-Dimethylphenol	ND		0.47	4.7
2,4-Dinitrophenol	ND		2.1	9.3
2,4-Dinitrotoluene	ND		0.42	4.7
2,6-Dinitrotoluene	ND		0.37	4.7
2-Chloronaphthalene	ND		0.43	4.7
2-Chlorophenol	ND		0.50	4.7
2-Methylnaphthalene	ND		0.56	4.7
2-Methylphenol	ND		0.37	4.7
2-Nitroaniline	ND		0.39	9.3
2-Nitrophenol	ND		0.45	4.7
3,3'-Dichlorobenzidine	ND		0.37	4.7
3-Nitroaniline	ND		0.45	9.3
4,6-Dinitro-2-methylphenol	ND		2.1	9.3
4-Bromophenyl phenyl ether	ND		0.42	4.7
4-Chloro-3-methylphenol	ND		0.42	4.7
4-Chloroaniline	ND		0.55	4.7
4-Chlorophenyl phenyl ether	ND		0.33	4.7
4-Methylphenol	ND		0.34	9.3
4-Nitroaniline	ND		0.23	9.3
4-Nitrophenol	ND		1.4	9.3
Acenaphthene	ND		0.38	4.7
Acenaphthylene	ND		0.36	4.7
Acetophenone	ND		0.50	4.7
Anthracene	ND		0.26	4.7
Atrazine	ND		0.43	4.7
Benzaldehyde	5.1		0.25	4.7
Benzo(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.44	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.68	4.7
Bis(2-chloroethoxy)methane	ND		0.33	4.7
Bis(2-chloroethyl)ether	ND		0.37	4.7
Bis(2-ethylhexyl) phthalate	ND		1.7	4.7
Butyl benzyl phthalate	ND		0.39	4.7
Caprolactam	ND		2.1	4.7
Carbazole	ND		0.28	4.7
Chrysene	ND		0.31	4.7
Di-n-butyl phthalate	0.50	J B	0.29	4.7
Di-n-octyl phthalate	ND		0.44	4.7
Dibenz(a,h)anthracene	ND		0.39	4.7

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-4**

Lab Sample ID: 480-39120-1 Date Sampled: 05/29/2013 1130
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001481.D
Dilution:	1.0			Initial Weight/Volume:	267.6 mL
Analysis Date:	05/31/2013 1818			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.48	9.3
Diethyl phthalate	ND		0.21	4.7
Dimethyl phthalate	ND		0.34	4.7
Fluoranthene	ND		0.37	4.7
Fluorene	ND		0.34	4.7
Hexachlorobenzene	ND		0.48	4.7
Hexachlorobutadiene	ND		0.64	0.47
Hexachlorocyclopentadiene	ND		0.55	4.7
Hexachloroethane	ND		0.55	4.7
Indeno(1,2,3-cd)pyrene	ND		0.44	4.7
Isophorone	ND		0.40	4.7
N-Nitrosodi-n-propylamine	ND		0.50	4.7
N-Nitrosodiphenylamine	ND		0.48	4.7
Naphthalene	ND		0.71	4.7
Nitrobenzene	ND		0.27	4.7
Pentachlorophenol	ND		2.1	9.3
Phenanthrene	ND		0.41	4.7
Phenol	ND		0.36	4.7
Pyrene	ND		0.32	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	87		39 - 146
2-Fluorobiphenyl	85		37 - 120
2-Fluorophenol	55		18 - 120
Nitrobenzene-d5	83		34 - 132
p-Terphenyl-d14	53	X	58 - 147
Phenol-d5	37		11 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-5**

Lab Sample ID: 480-39120-2 Date Sampled: 05/29/2013 1140
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001482.D
Dilution:	1.0			Initial Weight/Volume:	265.6 mL
Analysis Date:	05/31/2013 1846			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.61	4.7
bis (2-chloroisopropyl) ether	ND		0.49	4.7
2,4,5-Trichlorophenol	ND		0.45	4.7
2,4,6-Trichlorophenol	ND		0.57	4.7
2,4-Dichlorophenol	ND		0.48	4.7
2,4-Dimethylphenol	ND		0.47	4.7
2,4-Dinitrophenol	ND		2.1	9.4
2,4-Dinitrotoluene	ND		0.42	4.7
2,6-Dinitrotoluene	ND		0.38	4.7
2-Chloronaphthalene	ND		0.43	4.7
2-Chlorophenol	ND		0.50	4.7
2-Methylnaphthalene	ND		0.56	4.7
2-Methylphenol	ND		0.38	4.7
2-Nitroaniline	ND		0.40	9.4
2-Nitrophenol	ND		0.45	4.7
3,3'-Dichlorobenzidine	ND		0.38	4.7
3-Nitroaniline	ND		0.45	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	9.4
4-Bromophenyl phenyl ether	ND		0.42	4.7
4-Chloro-3-methylphenol	ND		0.42	4.7
4-Chloroaniline	ND		0.56	4.7
4-Chlorophenyl phenyl ether	ND		0.33	4.7
4-Methylphenol	ND		0.34	9.4
4-Nitroaniline	ND		0.24	9.4
4-Nitrophenol	ND		1.4	9.4
Acenaphthene	ND		0.39	4.7
Acenaphthylene	ND		0.36	4.7
Acetophenone	ND		0.51	4.7
Anthracene	ND		0.26	4.7
Atrazine	ND		0.43	4.7
Benzaldehyde	4.0	J	0.25	4.7
Benzo(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.44	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.69	4.7
Bis(2-chloroethoxy)methane	ND		0.33	4.7
Bis(2-chloroethyl)ether	ND		0.38	4.7
Bis(2-ethylhexyl) phthalate	ND		1.7	4.7
Butyl benzyl phthalate	ND		0.40	4.7
Caprolactam	ND		2.1	4.7
Carbazole	ND		0.28	4.7
Chrysene	ND		0.31	4.7
Di-n-butyl phthalate	0.56	J B	0.29	4.7
Di-n-octyl phthalate	ND		0.44	4.7
Dibenz(a,h)anthracene	ND		0.40	4.7

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-5**

Lab Sample ID: 480-39120-2 Date Sampled: 05/29/2013 1140
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001482.D
Dilution:	1.0			Initial Weight/Volume:	265.6 mL
Analysis Date:	05/31/2013 1846			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.48	9.4
Diethyl phthalate	ND		0.21	4.7
Dimethyl phthalate	ND		0.34	4.7
Fluoranthene	ND		0.38	4.7
Fluorene	ND		0.34	4.7
Hexachlorobenzene	ND		0.48	4.7
Hexachlorobutadiene	ND		0.64	0.47
Hexachlorocyclopentadiene	ND		0.56	4.7
Hexachloroethane	ND		0.56	4.7
Indeno(1,2,3-cd)pyrene	ND		0.44	4.7
Isophorone	ND		0.40	4.7
N-Nitrosodi-n-propylamine	ND		0.51	4.7
N-Nitrosodiphenylamine	ND		0.48	4.7
Naphthalene	ND		0.72	4.7
Nitrobenzene	ND		0.27	4.7
Pentachlorophenol	ND		2.1	9.4
Phenanthrene	ND		0.41	4.7
Phenol	ND		0.37	4.7
Pyrene	ND		0.32	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	90		39 - 146
2-Fluorobiphenyl	84		37 - 120
2-Fluorophenol	54		18 - 120
Nitrobenzene-d5	84		34 - 132
p-Terphenyl-d14	65		58 - 147
Phenol-d5	35		11 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-1**

Lab Sample ID: 480-39120-3 Date Sampled: 05/29/2013 1155
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001483.D
Dilution:	1.0			Initial Weight/Volume:	256.6 mL
Analysis Date:	05/31/2013 1913			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.64	4.9
bis (2-chloroisopropyl) ether	ND		0.51	4.9
2,4,5-Trichlorophenol	ND		0.47	4.9
2,4,6-Trichlorophenol	ND		0.59	4.9
2,4-Dichlorophenol	ND		0.50	4.9
2,4-Dimethylphenol	ND		0.49	4.9
2,4-Dinitrophenol	ND		2.2	9.7
2,4-Dinitrotoluene	ND		0.44	4.9
2,6-Dinitrotoluene	ND		0.39	4.9
2-Chloronaphthalene	ND		0.45	4.9
2-Chlorophenol	ND		0.52	4.9
2-Methylnaphthalene	ND		0.58	4.9
2-Methylphenol	ND		0.39	4.9
2-Nitroaniline	ND		0.41	9.7
2-Nitrophenol	ND		0.47	4.9
3,3'-Dichlorobenzidine	ND		0.39	4.9
3-Nitroaniline	ND		0.47	9.7
4,6-Dinitro-2-methylphenol	ND		2.1	9.7
4-Bromophenyl phenyl ether	ND		0.44	4.9
4-Chloro-3-methylphenol	ND		0.44	4.9
4-Chloroaniline	ND		0.57	4.9
4-Chlorophenyl phenyl ether	ND		0.34	4.9
4-Methylphenol	ND		0.35	9.7
4-Nitroaniline	ND		0.24	9.7
4-Nitrophenol	ND		1.5	9.7
Acenaphthene	ND		0.40	4.9
Acenaphthylene	ND		0.37	4.9
Acetophenone	ND		0.53	4.9
Anthracene	ND		0.27	4.9
Atrazine	ND		0.45	4.9
Benzaldehyde	3.3	J	0.26	4.9
Benzo(a)anthracene	ND		0.35	4.9
Benzo(a)pyrene	ND		0.46	4.9
Benzo(b)fluoranthene	ND		0.33	4.9
Benzo(g,h,i)perylene	ND		0.34	4.9
Benzo(k)fluoranthene	ND		0.71	4.9
Bis(2-chloroethoxy)methane	ND		0.34	4.9
Bis(2-chloroethyl)ether	1.0	J	0.39	4.9
Bis(2-ethylhexyl) phthalate	ND		1.8	4.9
Butyl benzyl phthalate	ND		0.41	4.9
Caprolactam	ND		2.1	4.9
Carbazole	ND		0.29	4.9
Chrysene	ND		0.32	4.9
Di-n-butyl phthalate	0.68	J B	0.30	4.9
Di-n-octyl phthalate	ND		0.46	4.9
Dibenz(a,h)anthracene	ND		0.41	4.9

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-1**

Lab Sample ID: 480-39120-3 Date Sampled: 05/29/2013 1155
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001483.D
Dilution:	1.0			Initial Weight/Volume:	256.6 mL
Analysis Date:	05/31/2013 1913			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.50	9.7
Diethyl phthalate	ND		0.21	4.9
Dimethyl phthalate	ND		0.35	4.9
Fluoranthene	ND		0.39	4.9
Fluorene	ND		0.35	4.9
Hexachlorobenzene	ND		0.50	4.9
Hexachlorobutadiene	ND		0.66	0.49
Hexachlorocyclopentadiene	ND		0.57	4.9
Hexachloroethane	ND		0.57	4.9
Indeno(1,2,3-cd)pyrene	ND		0.46	4.9
Isophorone	ND		0.42	4.9
N-Nitrosodi-n-propylamine	ND		0.53	4.9
N-Nitrosodiphenylamine	ND		0.50	4.9
Naphthalene	ND		0.74	4.9
Nitrobenzene	ND		0.28	4.9
Pentachlorophenol	ND		2.1	9.7
Phenanthrene	ND		0.43	4.9
Phenol	ND		0.38	4.9
Pyrene	ND		0.33	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	88		39 - 146
2-Fluorobiphenyl	79		37 - 120
2-Fluorophenol	54		18 - 120
Nitrobenzene-d5	79		34 - 132
p-Terphenyl-d14	49	X	58 - 147
Phenol-d5	37		11 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-6**

Lab Sample ID: 480-39120-4 Date Sampled: 05/29/2013 1210
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001484.D
Dilution:	1.0			Initial Weight/Volume:	260.6 mL
Analysis Date:	05/31/2013 1941			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.63	4.8
bis (2-chloroisopropyl) ether	ND		0.50	4.8
2,4,5-Trichlorophenol	ND		0.46	4.8
2,4,6-Trichlorophenol	ND		0.59	4.8
2,4-Dichlorophenol	ND		0.49	4.8
2,4-Dimethylphenol	ND		0.48	4.8
2,4-Dinitrophenol	ND		2.1	9.6
2,4-Dinitrotoluene	ND		0.43	4.8
2,6-Dinitrotoluene	ND		0.38	4.8
2-Chloronaphthalene	ND		0.44	4.8
2-Chlorophenol	ND		0.51	4.8
2-Methylnaphthalene	ND		0.58	4.8
2-Methylphenol	ND		0.38	4.8
2-Nitroaniline	ND		0.40	9.6
2-Nitrophenol	ND		0.46	4.8
3,3'-Dichlorobenzidine	ND		0.38	4.8
3-Nitroaniline	ND		0.46	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	9.6
4-Bromophenyl phenyl ether	ND		0.43	4.8
4-Chloro-3-methylphenol	ND		0.43	4.8
4-Chloroaniline	ND		0.57	4.8
4-Chlorophenyl phenyl ether	ND		0.34	4.8
4-Methylphenol	ND		0.35	9.6
4-Nitroaniline	ND		0.24	9.6
4-Nitrophenol	ND		1.5	9.6
Acenaphthene	ND		0.39	4.8
Acenaphthylene	ND		0.36	4.8
Acetophenone	ND		0.52	4.8
Anthracene	ND		0.27	4.8
Atrazine	ND		0.44	4.8
Benzaldehyde	1.0	J	0.26	4.8
Benzo(a)anthracene	ND		0.35	4.8
Benzo(a)pyrene	ND		0.45	4.8
Benzo(b)fluoranthene	ND		0.33	4.8
Benzo(g,h,i)perylene	ND		0.34	4.8
Benzo(k)fluoranthene	ND		0.70	4.8
Bis(2-chloroethoxy)methane	ND		0.34	4.8
Bis(2-chloroethyl)ether	ND		0.38	4.8
Bis(2-ethylhexyl) phthalate	ND		1.7	4.8
Butyl benzyl phthalate	ND		0.40	4.8
Caprolactam	ND		2.1	4.8
Carbazole	ND		0.29	4.8
Chrysene	ND		0.32	4.8
Di-n-butyl phthalate	0.52	J B	0.30	4.8
Di-n-octyl phthalate	ND		0.45	4.8
Dibenz(a,h)anthracene	ND		0.40	4.8

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-6**

Lab Sample ID: 480-39120-4 Date Sampled: 05/29/2013 1210
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001484.D
Dilution:	1.0			Initial Weight/Volume:	260.6 mL
Analysis Date:	05/31/2013 1941			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.49	9.6
Diethyl phthalate	ND		0.21	4.8
Dimethyl phthalate	ND		0.35	4.8
Fluoranthene	ND		0.38	4.8
Fluorene	ND		0.35	4.8
Hexachlorobenzene	ND		0.49	4.8
Hexachlorobutadiene	ND		0.65	0.48
Hexachlorocyclopentadiene	ND		0.57	4.8
Hexachloroethane	ND		0.57	4.8
Indeno(1,2,3-cd)pyrene	ND		0.45	4.8
Isophorone	ND		0.41	4.8
N-Nitrosodi-n-propylamine	ND		0.52	4.8
N-Nitrosodiphenylamine	ND		0.49	4.8
Naphthalene	ND		0.73	4.8
Nitrobenzene	ND		0.28	4.8
Pentachlorophenol	ND		2.1	9.6
Phenanthrene	ND		0.42	4.8
Phenol	ND		0.37	4.8
Pyrene	ND		0.33	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	81		39 - 146
2-Fluorobiphenyl	80		37 - 120
2-Fluorophenol	56		18 - 120
Nitrobenzene-d5	85		34 - 132
p-Terphenyl-d14	54	X	58 - 147
Phenol-d5	36		11 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-2**

Lab Sample ID: 480-39120-5 Date Sampled: 05/29/2013 1225
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001485.D
Dilution:	1.0			Initial Weight/Volume:	267.7 mL
Analysis Date:	05/31/2013 2008			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.61	4.7
bis (2-chloroisopropyl) ether	ND		0.49	4.7
2,4,5-Trichlorophenol	ND		0.45	4.7
2,4,6-Trichlorophenol	ND		0.57	4.7
2,4-Dichlorophenol	ND		0.48	4.7
2,4-Dimethylphenol	ND		0.47	4.7
2,4-Dinitrophenol	ND		2.1	9.3
2,4-Dinitrotoluene	ND		0.42	4.7
2,6-Dinitrotoluene	ND		0.37	4.7
2-Chloronaphthalene	ND		0.43	4.7
2-Chlorophenol	ND		0.49	4.7
2-Methylnaphthalene	ND		0.56	4.7
2-Methylphenol	5.1		0.37	4.7
2-Nitroaniline	ND		0.39	9.3
2-Nitrophenol	ND		0.45	4.7
3,3'-Dichlorobenzidine	ND		0.37	4.7
3-Nitroaniline	ND		0.45	9.3
4,6-Dinitro-2-methylphenol	ND		2.1	9.3
4-Bromophenyl phenyl ether	ND		0.42	4.7
4-Chloro-3-methylphenol	ND		0.42	4.7
4-Chloroaniline	ND		0.55	4.7
4-Chlorophenyl phenyl ether	ND		0.33	4.7
4-Methylphenol	36		0.34	9.3
4-Nitroaniline	ND		0.23	9.3
4-Nitrophenol	ND		1.4	9.3
Acenaphthene	ND		0.38	4.7
Acenaphthylene	ND		0.35	4.7
Acetophenone	ND		0.50	4.7
Anthracene	ND		0.26	4.7
Atrazine	ND		0.43	4.7
Benzaldehyde	0.60	J	0.25	4.7
Benzo(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.44	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.68	4.7
Bis(2-chloroethoxy)methane	ND		0.33	4.7
Bis(2-chloroethyl)ether	ND		0.37	4.7
Bis(2-ethylhexyl) phthalate	ND		1.7	4.7
Butyl benzyl phthalate	ND		0.39	4.7
Caprolactam	ND		2.1	4.7
Carbazole	ND		0.28	4.7
Chrysene	ND		0.31	4.7
Di-n-butyl phthalate	0.59	J B	0.29	4.7
Di-n-octyl phthalate	ND		0.44	4.7
Dibenz(a,h)anthracene	ND		0.39	4.7

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-2**

Lab Sample ID: 480-39120-5 Date Sampled: 05/29/2013 1225
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001485.D
Dilution:	1.0			Initial Weight/Volume:	267.7 mL
Analysis Date:	05/31/2013 2008			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.48	9.3
Diethyl phthalate	ND		0.21	4.7
Dimethyl phthalate	ND		0.34	4.7
Fluoranthene	ND		0.37	4.7
Fluorene	ND		0.34	4.7
Hexachlorobenzene	ND		0.48	4.7
Hexachlorobutadiene	ND		0.64	0.47
Hexachlorocyclopentadiene	ND		0.55	4.7
Hexachloroethane	ND		0.55	4.7
Indeno(1,2,3-cd)pyrene	ND		0.44	4.7
Isophorone	ND		0.40	4.7
N-Nitrosodi-n-propylamine	ND		0.50	4.7
N-Nitrosodiphenylamine	ND		0.48	4.7
Naphthalene	ND		0.71	4.7
Nitrobenzene	ND		0.27	4.7
Pentachlorophenol	ND		2.1	9.3
Phenanthrene	ND		0.41	4.7
Phenol	0.73	J	0.36	4.7
Pyrene	ND		0.32	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	92		39 - 146
2-Fluorobiphenyl	86		37 - 120
2-Fluorophenol	56		18 - 120
Nitrobenzene-d5	79		34 - 132
p-Terphenyl-d14	53	X	58 - 147
Phenol-d5	37		11 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-3**

Lab Sample ID: 480-39120-6 Date Sampled: 05/29/2013 1235
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001486.D
Dilution:	1.0			Initial Weight/Volume:	271.8 mL
Analysis Date:	05/31/2013 2037			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.60	4.6
bis (2-chloroisopropyl) ether	ND		0.48	4.6
2,4,5-Trichlorophenol	ND		0.44	4.6
2,4,6-Trichlorophenol	ND		0.56	4.6
2,4-Dichlorophenol	ND		0.47	4.6
2,4-Dimethylphenol	ND		0.46	4.6
2,4-Dinitrophenol	ND		2.0	9.2
2,4-Dinitrotoluene	ND		0.41	4.6
2,6-Dinitrotoluene	ND		0.37	4.6
2-Chloronaphthalene	ND		0.42	4.6
2-Chlorophenol	ND		0.49	4.6
2-Methylnaphthalene	ND		0.55	4.6
2-Methylphenol	ND		0.37	4.6
2-Nitroaniline	ND		0.39	9.2
2-Nitrophenol	ND		0.44	4.6
3,3'-Dichlorobenzidine	ND		0.37	4.6
3-Nitroaniline	ND		0.44	9.2
4,6-Dinitro-2-methylphenol	ND		2.0	9.2
4-Bromophenyl phenyl ether	ND		0.41	4.6
4-Chloro-3-methylphenol	ND		0.41	4.6
4-Chloroaniline	ND		0.54	4.6
4-Chlorophenyl phenyl ether	ND		0.32	4.6
4-Methylphenol	ND		0.33	9.2
4-Nitroaniline	ND		0.23	9.2
4-Nitrophenol	ND		1.4	9.2
Acenaphthene	ND		0.38	4.6
Acenaphthylene	ND		0.35	4.6
Acetophenone	ND		0.50	4.6
Anthracene	ND		0.26	4.6
Atrazine	ND		0.42	4.6
Benzaldehyde	12		0.25	4.6
Benzo(a)anthracene	ND		0.33	4.6
Benzo(a)pyrene	ND		0.43	4.6
Benzo(b)fluoranthene	ND		0.31	4.6
Benzo(g,h,i)perylene	ND		0.32	4.6
Benzo(k)fluoranthene	ND		0.67	4.6
Bis(2-chloroethoxy)methane	ND		0.32	4.6
Bis(2-chloroethyl)ether	ND		0.37	4.6
Bis(2-ethylhexyl) phthalate	ND		1.7	4.6
Butyl benzyl phthalate	ND		0.39	4.6
Caprolactam	ND		2.0	4.6
Carbazole	ND		0.28	4.6
Chrysene	ND		0.30	4.6
Di-n-butyl phthalate	0.47	J B	0.29	4.6
Di-n-octyl phthalate	ND		0.43	4.6
Dibenz(a,h)anthracene	ND		0.39	4.6

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-3**

Lab Sample ID: 480-39120-6 Date Sampled: 05/29/2013 1235
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001486.D
Dilution:	1.0			Initial Weight/Volume:	271.8 mL
Analysis Date:	05/31/2013 2037			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.47	9.2
Diethyl phthalate	ND		0.20	4.6
Dimethyl phthalate	ND		0.33	4.6
Fluoranthene	ND		0.37	4.6
Fluorene	ND		0.33	4.6
Hexachlorobenzene	ND		0.47	4.6
Hexachlorobutadiene	ND		0.63	0.46
Hexachlorocyclopentadiene	ND		0.54	4.6
Hexachloroethane	ND		0.54	4.6
Indeno(1,2,3-cd)pyrene	ND		0.43	4.6
Isophorone	ND		0.40	4.6
N-Nitrosodi-n-propylamine	ND		0.50	4.6
N-Nitrosodiphenylamine	ND		0.47	4.6
Naphthalene	ND		0.70	4.6
Nitrobenzene	ND		0.27	4.6
Pentachlorophenol	ND		2.0	9.2
Phenanthrene	ND		0.40	4.6
Phenol	ND		0.36	4.6
Pyrene	ND		0.31	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	97		39 - 146
2-Fluorobiphenyl	93		37 - 120
2-Fluorophenol	57		18 - 120
Nitrobenzene-d5	87		34 - 132
p-Terphenyl-d14	66		58 - 147
Phenol-d5	36		11 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-7**

Lab Sample ID: 480-39120-7 Date Sampled: 05/29/2013 1250
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001487.D
Dilution:	1.0			Initial Weight/Volume:	272.5 mL
Analysis Date:	05/31/2013 2104			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.60	4.6
bis (2-chloroisopropyl) ether	ND		0.48	4.6
2,4,5-Trichlorophenol	ND		0.44	4.6
2,4,6-Trichlorophenol	ND		0.56	4.6
2,4-Dichlorophenol	ND		0.47	4.6
2,4-Dimethylphenol	ND		0.46	4.6
2,4-Dinitrophenol	ND		2.0	9.2
2,4-Dinitrotoluene	ND		0.41	4.6
2,6-Dinitrotoluene	ND		0.37	4.6
2-Chloronaphthalene	ND		0.42	4.6
2-Chlorophenol	ND		0.49	4.6
2-Methylnaphthalene	ND		0.55	4.6
2-Methylphenol	1.2	J	0.37	4.6
2-Nitroaniline	ND		0.39	9.2
2-Nitrophenol	ND		0.44	4.6
3,3'-Dichlorobenzidine	ND		0.37	4.6
3-Nitroaniline	ND		0.44	9.2
4,6-Dinitro-2-methylphenol	ND		2.0	9.2
4-Bromophenyl phenyl ether	ND		0.41	4.6
4-Chloro-3-methylphenol	ND		0.41	4.6
4-Chloroaniline	ND		0.54	4.6
4-Chlorophenyl phenyl ether	ND		0.32	4.6
4-Methylphenol	1.0	J	0.33	9.2
4-Nitroaniline	ND		0.23	9.2
4-Nitrophenol	ND		1.4	9.2
Acenaphthene	ND		0.38	4.6
Acenaphthylene	ND		0.35	4.6
Acetophenone	ND		0.50	4.6
Anthracene	ND		0.26	4.6
Atrazine	ND		0.42	4.6
Benzaldehyde	6.0		0.24	4.6
Benzo(a)anthracene	ND		0.33	4.6
Benzo(a)pyrene	ND		0.43	4.6
Benzo(b)fluoranthene	ND		0.31	4.6
Benzo(g,h,i)perylene	ND		0.32	4.6
Benzo(k)fluoranthene	ND		0.67	4.6
Bis(2-chloroethoxy)methane	ND		0.32	4.6
Bis(2-chloroethyl)ether	ND		0.37	4.6
Bis(2-ethylhexyl) phthalate	ND		1.7	4.6
Butyl benzyl phthalate	ND		0.39	4.6
Caprolactam	ND		2.0	4.6
Carbazole	ND		0.28	4.6
Chrysene	ND		0.30	4.6
Di-n-butyl phthalate	0.39	J B	0.28	4.6
Di-n-octyl phthalate	ND		0.43	4.6
Dibenz(a,h)anthracene	ND		0.39	4.6

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-7**

Lab Sample ID: 480-39120-7 Date Sampled: 05/29/2013 1250
Client Matrix: Water Date Received: 05/29/2013 1430

8270C Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270C	Analysis Batch:	480-121443	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-121112	Lab File ID:	W001487.D
Dilution:	1.0			Initial Weight/Volume:	272.5 mL
Analysis Date:	05/31/2013 2104			Final Weight/Volume:	1 mL
Prep Date:	05/30/2013 0715			Injection Volume:	1 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.47	9.2
Diethyl phthalate	ND		0.20	4.6
Dimethyl phthalate	ND		0.33	4.6
Fluoranthene	ND		0.37	4.6
Fluorene	ND		0.33	4.6
Hexachlorobenzene	ND		0.47	4.6
Hexachlorobutadiene	ND		0.62	0.46
Hexachlorocyclopentadiene	ND		0.54	4.6
Hexachloroethane	ND		0.54	4.6
Indeno(1,2,3-cd)pyrene	ND		0.43	4.6
Isophorone	ND		0.39	4.6
N-Nitrosodi-n-propylamine	ND		0.50	4.6
N-Nitrosodiphenylamine	ND		0.47	4.6
Naphthalene	ND		0.70	4.6
Nitrobenzene	ND		0.27	4.6
Pentachlorophenol	ND		2.0	9.2
Phenanthrene	ND		0.40	4.6
Phenol	ND		0.36	4.6
Pyrene	ND		0.31	4.6

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	84		39 - 146
2-Fluorobiphenyl	79		37 - 120
2-Fluorophenol	52		18 - 120
Nitrobenzene-d5	76		34 - 132
p-Terphenyl-d14	59		58 - 147
Phenol-d5	33		11 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-4**

Lab Sample ID: 480-39120-1 Date Sampled: 05/29/2013 1130
Client Matrix: Water Date Received: 05/29/2013 1430

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-121710	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-121378	Initial Weight/Volume:	263.9 mL
Dilution:	20			Final Weight/Volume:	2 mL
Analysis Date:	06/03/2013 1210			Injection Volume:	1 uL
Prep Date:	05/31/2013 0726			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.17	0.95
4,4'-DDE	ND		0.22	0.95
4,4'-DDT	ND		0.21	0.95
Aldrin	ND		0.13	0.95
alpha-BHC	ND		0.13	0.95
alpha-Chlordane	ND		0.28	0.95
beta-BHC	ND		0.47	0.95
delta-BHC	ND		0.19	0.95
Dieldrin	ND		0.19	0.95
Endosulfan I	ND		0.21	0.95
Endosulfan II	ND		0.23	0.95
Endosulfan sulfate	ND		0.30	0.95
Endrin	ND		0.26	0.95
Endrin aldehyde	ND		0.31	0.95
Endrin ketone	ND		0.23	0.95
gamma-BHC (Lindane)	ND		0.11	0.95
gamma-Chlordane	ND		0.21	0.95
Heptachlor	ND		0.16	0.95
Heptachlor epoxide	ND		0.10	0.95
Methoxychlor	ND		0.27	0.95
Toxaphene	ND		2.3	9.5

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	20 - 120
Tetrachloro-m-xylene	0	X	36 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-5**

Lab Sample ID: 480-39120-2 Date Sampled: 05/29/2013 1140
Client Matrix: Water Date Received: 05/29/2013 1430

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-121710	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-121378	Initial Weight/Volume:	259.5 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/03/2013 1229			Injection Volume:	1 uL
Prep Date:	05/31/2013 0726			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0089	0.048
4,4'-DDE	0.013	J	0.011	0.048
4,4'-DDT	ND		0.011	0.048
Aldrin	ND		0.0064	0.048
alpha-BHC	0.012	J	0.0064	0.048
alpha-Chlordane	ND		0.014	0.048
beta-BHC	ND		0.024	0.048
delta-BHC	ND		0.0096	0.048
Dieldrin	ND		0.0094	0.048
Endosulfan I	ND		0.011	0.048
Endosulfan II	ND		0.012	0.048
Endosulfan sulfate	ND		0.015	0.048
Endrin	ND		0.013	0.048
Endrin aldehyde	ND		0.016	0.048
Endrin ketone	ND		0.012	0.048
gamma-BHC (Lindane)	ND		0.0058	0.048
gamma-Chlordane	0.021	J	0.011	0.048
Heptachlor	ND		0.0082	0.048
Heptachlor epoxide	ND		0.0051	0.048
Methoxychlor	ND		0.014	0.048
Toxaphene	ND		0.12	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	20		20 - 120
Tetrachloro-m-xylene	68		36 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-1**

Lab Sample ID: 480-39120-3 Date Sampled: 05/29/2013 1155
Client Matrix: Water Date Received: 05/29/2013 1430

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-121710	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-121378	Initial Weight/Volume:	246.8 mL
Dilution:	20			Final Weight/Volume:	2 mL
Analysis Date:	06/03/2013 1247			Injection Volume:	1 uL
Prep Date:	05/31/2013 0726			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.19	1.0
4,4'-DDE	ND		0.24	1.0
4,4'-DDT	ND		0.22	1.0
Aldrin	ND		0.13	1.0
alpha-BHC	ND		0.13	1.0
alpha-Chlordane	ND		0.30	1.0
beta-BHC	ND		0.50	1.0
delta-BHC	ND		0.20	1.0
Dieldrin	ND		0.20	1.0
Endosulfan I	ND		0.22	1.0
Endosulfan II	ND		0.24	1.0
Endosulfan sulfate	ND		0.32	1.0
Endrin	ND		0.28	1.0
Endrin aldehyde	ND		0.33	1.0
Endrin ketone	ND		0.24	1.0
gamma-BHC (Lindane)	ND		0.12	1.0
gamma-Chlordane	ND		0.22	1.0
Heptachlor	ND		0.17	1.0
Heptachlor epoxide	ND		0.11	1.0
Methoxychlor	ND		0.29	1.0
Toxaphene	ND		2.4	10

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	0	X	20 - 120
Tetrachloro-m-xylene	0	X	36 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-6**

Lab Sample ID: 480-39120-4 Date Sampled: 05/29/2013 1210
Client Matrix: Water Date Received: 05/29/2013 1430

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-121710	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-121378	Initial Weight/Volume:	264.1 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/03/2013 1305			Injection Volume:	1 uL
Prep Date:	05/31/2013 0726			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0087	0.047
4,4'-DDE	ND		0.011	0.047
4,4'-DDT	ND		0.010	0.047
Aldrin	ND		0.0062	0.047
alpha-BHC	ND		0.0062	0.047
alpha-Chlordane	ND		0.014	0.047
beta-BHC	ND		0.023	0.047
delta-BHC	ND		0.0095	0.047
Dieldrin	ND		0.0093	0.047
Endosulfan I	ND		0.010	0.047
Endosulfan II	ND		0.011	0.047
Endosulfan sulfate	ND		0.015	0.047
Endrin	ND		0.013	0.047
Endrin aldehyde	ND		0.015	0.047
Endrin ketone	ND		0.011	0.047
gamma-BHC (Lindane)	ND		0.0057	0.047
gamma-Chlordane	ND		0.010	0.047
Heptachlor	ND		0.0080	0.047
Heptachlor epoxide	ND		0.0050	0.047
Methoxychlor	ND		0.013	0.047
Toxaphene	ND		0.11	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	23		20 - 120
Tetrachloro-m-xylene	71		36 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-2**

Lab Sample ID: 480-39120-5 Date Sampled: 05/29/2013 1225
Client Matrix: Water Date Received: 05/29/2013 1430

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-121710	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-121378	Initial Weight/Volume:	260.2 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/03/2013 1323			Injection Volume:	1 uL
Prep Date:	05/31/2013 0726			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0088	0.048
4,4'-DDE	ND		0.011	0.048
4,4'-DDT	ND		0.011	0.048
Aldrin	0.0072	J	0.0063	0.048
alpha-BHC	0.016	J	0.0063	0.048
alpha-Chlordane	ND		0.014	0.048
beta-BHC	ND		0.024	0.048
delta-BHC	ND		0.0096	0.048
Dieldrin	0.011	J	0.0094	0.048
Endosulfan I	ND		0.011	0.048
Endosulfan II	ND		0.012	0.048
Endosulfan sulfate	ND		0.015	0.048
Endrin	ND		0.013	0.048
Endrin aldehyde	ND		0.016	0.048
Endrin ketone	ND		0.012	0.048
gamma-BHC (Lindane)	0.012	J	0.0058	0.048
gamma-Chlordane	0.33		0.011	0.048
Heptachlor	ND		0.0082	0.048
Heptachlor epoxide	ND		0.0051	0.048
Methoxychlor	ND		0.014	0.048
Toxaphene	ND		0.12	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	24		20 - 120
Tetrachloro-m-xylene	71		36 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-3**

Lab Sample ID: 480-39120-6 Date Sampled: 05/29/2013 1235
Client Matrix: Water Date Received: 05/29/2013 1430

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-121710	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-121378	Initial Weight/Volume:	272.1 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/03/2013 1341			Injection Volume:	1 uL
Prep Date:	05/31/2013 0726			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0085	0.046
4,4'-DDE	ND		0.011	0.046
4,4'-DDT	ND		0.010	0.046
Aldrin	ND		0.0061	0.046
alpha-BHC	0.024	J	0.0061	0.046
alpha-Chlordane	ND		0.014	0.046
beta-BHC	0.042	J	0.023	0.046
delta-BHC	ND		0.0092	0.046
Dieldrin	ND		0.0090	0.046
Endosulfan I	ND		0.010	0.046
Endosulfan II	ND		0.011	0.046
Endosulfan sulfate	ND		0.014	0.046
Endrin	ND		0.013	0.046
Endrin aldehyde	ND		0.015	0.046
Endrin ketone	ND		0.011	0.046
gamma-BHC (Lindane)	0.019	J	0.0055	0.046
gamma-Chlordane	ND		0.010	0.046
Heptachlor	ND		0.0078	0.046
Heptachlor epoxide	0.024	J	0.0049	0.046
Methoxychlor	ND		0.013	0.046
Toxaphene	ND		0.11	0.46

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	22		20 - 120
Tetrachloro-m-xylene	70		36 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-7**

Lab Sample ID: 480-39120-7 Date Sampled: 05/29/2013 1250
Client Matrix: Water Date Received: 05/29/2013 1430

8081A Organochlorine Pesticides (GC)

Analysis Method:	8081A	Analysis Batch:	480-121710	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-121378	Initial Weight/Volume:	265.2 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	06/03/2013 1358			Injection Volume:	1 uL
Prep Date:	05/31/2013 0726			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0087	0.047
4,4'-DDE	ND		0.011	0.047
4,4'-DDT	ND		0.010	0.047
Aldrin	ND		0.0062	0.047
alpha-BHC	0.010	J	0.0062	0.047
alpha-Chlordane	ND		0.014	0.047
beta-BHC	ND		0.023	0.047
delta-BHC	ND		0.0094	0.047
Dieldrin	ND		0.0092	0.047
Endosulfan I	ND		0.010	0.047
Endosulfan II	ND		0.011	0.047
Endosulfan sulfate	ND		0.015	0.047
Endrin	ND		0.013	0.047
Endrin aldehyde	ND		0.015	0.047
Endrin ketone	ND		0.011	0.047
gamma-BHC (Lindane)	0.015	J	0.0057	0.047
gamma-Chlordane	ND		0.010	0.047
Heptachlor	ND		0.0080	0.047
Heptachlor epoxide	ND		0.0050	0.047
Methoxychlor	ND		0.013	0.047
Toxaphene	ND		0.11	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	17	X	20 - 120
Tetrachloro-m-xylene	62		36 - 120

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-4**

Lab Sample ID: 480-39120-1 Date Sampled: 05/29/2013 1130
Client Matrix: Water Date Received: 05/29/2013 1430

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-121704	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-121371	Initial Weight/Volume:	1028 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/03/2013 1829			Injection Volume:	1 uL
Prep Date:	05/31/2013 0536			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.49
Silvex (2,4,5-TP)	ND		0.35	0.49
2,4-D	ND		0.39	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	130		40 - 135

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-5**

Lab Sample ID: 480-39120-2 Date Sampled: 05/29/2013 1140
Client Matrix: Water Date Received: 05/29/2013 1430

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-121704	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-121371	Initial Weight/Volume:	1048.2 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/03/2013 1859			Injection Volume:	1 uL
Prep Date:	05/31/2013 0536			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48
2,4-D	ND		0.38	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	128		40 - 135

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-1**

Lab Sample ID: 480-39120-3 Date Sampled: 05/29/2013 1155
Client Matrix: Water Date Received: 05/29/2013 1430

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-121704	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-121371	Initial Weight/Volume:	1054.5 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/03/2013 1928			Injection Volume:	1 uL
Prep Date:	05/31/2013 0536			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.47
Silvex (2,4,5-TP)	ND		0.34	0.47
2,4-D	ND		0.38	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	135		40 - 135

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-6**

Lab Sample ID: 480-39120-4 Date Sampled: 05/29/2013 1210
Client Matrix: Water Date Received: 05/29/2013 1430

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-121704	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-121371	Initial Weight/Volume:	1025.4 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/03/2013 1958			Injection Volume:	1 uL
Prep Date:	05/31/2013 0536			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.15	0.49
Silvex (2,4,5-TP)	ND		0.35	0.49
2,4-D	ND		0.39	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	219	X	40 - 135

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-2**

Lab Sample ID: 480-39120-5 Date Sampled: 05/29/2013 1225
Client Matrix: Water Date Received: 05/29/2013 1430

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-121704	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-121371	Initial Weight/Volume:	1047.7 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/04/2013 0801			Injection Volume:	1 uL
Prep Date:	05/31/2013 0536			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48
2,4-D	ND		0.38	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	130		40 - 135

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-3**

Lab Sample ID: 480-39120-6 Date Sampled: 05/29/2013 1235
Client Matrix: Water Date Received: 05/29/2013 1430

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-121704	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-121371	Initial Weight/Volume:	1059.1 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/04/2013 0830			Injection Volume:	1 uL
Prep Date:	05/31/2013 0536			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.47
Silvex (2,4,5-TP)	ND		0.34	0.47
2,4-D	ND		0.38	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	132		40 - 135

Client: New York State D.E.C. Job Number: 480-39120-1

Client Sample ID: **SW-7**

Lab Sample ID: 480-39120-7 Date Sampled: 05/29/2013 1250
Client Matrix: Water Date Received: 05/29/2013 1430

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-121704	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-121371	Initial Weight/Volume:	1056.7 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	06/04/2013 0900			Injection Volume:	1 uL
Prep Date:	05/31/2013 0536			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.47
Silvex (2,4,5-TP)	ND		0.34	0.47
2,4-D	ND		0.38	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	121		40 - 135

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-39120-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RXI-5Sil MS ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
SW-4	480-39120-1	55	37	83	85	87	53 X
SW-5	480-39120-2	54	35	84	84	90	65
SW-1	480-39120-3	54	37	79	79	88	49 X
SW-6	480-39120-4	56	36	85	80	81	54 X
SW-2	480-39120-5	56	37	79	86	92	53 X
SW-3	480-39120-6	57	36	87	93	97	66
SW-7	480-39120-7	52	33	76	79	84	59
	MB 480-121112/1-A	54	37	75	75	79	80
	LCS 480-121112/2-A	52	39	76	80	89	82

	QC LIMITS
2FP = 2-Fluorophenol	18-120
PHL = Phenol-d5	11-120
NBZ = Nitrobenzene-d5	34-132
FBP = 2-Fluorobiphenyl	37-120
TBP = 2,4,6-Tribromophenol	39-146
TPH = p-Terphenyl-d14	58-147

Column to be used to flag recovery values

FORM II 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-39120-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-121112/1-A

Matrix: Water | Lab File ID: W001469.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 05/30/2013 07:15

Sample wt/vol: 250(mL) | Date Analyzed: 05/31/2013 12:45

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 121443 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	0.642	J	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	ND		5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		0.50	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	0.484	J	5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: TestAmerica Buffalo Job No.: 480-39120-1

SDG No.:

Matrix: Water Level: Low

GC Column (2): RTX-CLPII ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	TCX2	#	DCB2	#
SW-4	480-39120-1	0	X	0	X
SW-5	480-39120-2	68		20	
SW-1	480-39120-3	0	X	0	X
SW-6	480-39120-4	71		23	
SW-2	480-39120-5	71		24	
SW-3	480-39120-6	70		22	
SW-7	480-39120-7	62		17	X
	MB 480-121378/1-A	78		38	
	LCS 480-121378/2-A	91		40	

	QC LIMITS
TCX = Tetrachloro-m-xylene	36-120
DCB = DCB Decachlorobiphenyl	20-120

Column to be used to flag recovery values

FORM II 8081A

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-25\20130603-22183.b\25_52105.D
Lims ID: 480-39120-F-2-A Client ID: SW-5
Inject. Date: 03-Jun-2013 12:29:16 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator: tchrom Instrument ID: HP6890-25
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 121710 Lims Sample ID: 7
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-25\20130603-22183.b\8081-25.m
Last Update: 06-Jun-2013 15:03:40 Calib Date: 29-May-2013 16:08:04
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-25\20130529-22075.b\25_52069.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK006

First Level Reviewer: WolfL Date: 06-Jun-2013 14:40:26

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									M
1	1	2.257	2.263	-0.006	1194614	0.009673			M
2	2	2.577	2.573	0.004	184738	0.0136			
						RPD = 33.59			
6 alpha-BHC									M
1	1	2.637	2.650	-0.013	86637	0.000725			M
2	2	3.063	3.063	0.000	14408	0.001613			
						RPD = 75.93			
16 gamma-Chlordane									M
1	1	4.190	4.207	-0.017	614920	0.003544			M
2	2	4.930	4.933	-0.003	35514	0.002744			
						RPD = 25.44			
17 alpha-Chlordane									
1	1	4.333	4.340	-0.007	104727	0.000586			
2	2	5.097	5.090	0.007	2506	0.000924			
						RPD = 44.73			
18 4,4'-DDE									
1	1	4.427	4.427	0.000	420236	0.002420			
2	2	5.233	5.267	-0.034	17143	0.001749			
						RPD = 32.18			

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-25\20130603-22183.b\25_52108.D
Lims ID: 480-39120-F-5-A Client ID: SW-2
Inject. Date: 03-Jun-2013 13:23:28 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator: tchrom Instrument ID: HP6890-25
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 121710 Lims Sample ID: 10
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-25\20130603-22183.b\8081-25.m
Last Update: 06-Jun-2013 15:03:40 Calib Date: 29-May-2013 16:08:04
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-25\20130529-22075.b\25_52069.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK006

First Level Reviewer: WolfL Date: 06-Jun-2013 14:49:24

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									M
1	1	2.253	2.263	-0.010	1220830	0.009890			M
2	2	2.577	2.573	0.004	194347	0.0143			
						RPD = 36.18			
6 alpha-BHC									M
1	1	2.640	2.650	-0.010	186976	0.001210			M
2	2	3.060	3.063	-0.003	24876	0.002063			M
						RPD = 52.09			
7 gamma-BHC (Lindane)									M
1	1	2.903	2.887	0.016	151544	0.001017			M
2	2	3.380	3.377	0.003	13257	0.001575			
						RPD = 43.09			
8 beta-BHC									M
1	1	2.963	2.953	0.010	377589	0.004751			M
2	2	3.447	3.447	0.000	13211	0.001829			
						RPD = 88.82			
11 Heptachlor									M
1	1	3.253	3.263	-0.010	268013	0.000587			M
2	2	3.783	3.803	-0.020	1850	0.000661			
						RPD = 11.89			
12 Aldrin									M
1	1	3.517	3.520	-0.003	328817	0.001613			
2	2	4.140	4.137	0.003	59	0.000937			M
						RPD = 52.96			
16 gamma-Chlordane									
1	1	4.180	4.207	-0.027	473618	0.002694			M
2	2	4.903	4.933	-0.030	823144	0.0425			
						RPD = 176.13			

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-25\20130603-22183.b\25_52109.D
Lims ID: 480-39120-E-6-A Client ID: SW-3
Inject. Date: 03-Jun-2013 13:41:07 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator: tchrom Instrument ID: HP6890-25
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 121710 Lims Sample ID: 11
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-25\20130603-22183.b\8081-25.m
Last Update: 06-Jun-2013 15:03:40 Calib Date: 29-May-2013 16:08:04
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-25\20130529-22075.b\25_52069.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK006

First Level Reviewer: WolfL Date: 06-Jun-2013 14:56:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									M
1	1	2.253	2.263	-0.010	1288797	0.0105			M
2	2	2.577	2.573	0.004	190403	0.0140			
						RPD = 28.88			
6 alpha-BHC									M
1	1	2.637	2.650	-0.013	758340	0.003972			
2	2	3.060	3.063	-0.003	52493	0.003249			M
						RPD = 20.01			
7 gamma-BHC (Lindane)									M
1	1	2.900	2.887	0.013	201601	0.001285			M
2	2	3.380	3.377	0.003	34294	0.002557			
						RPD = 66.21			
8 beta-BHC									M
1	1	2.960	2.953	0.007	560911	0.007281			M
2	2	3.443	3.447	-0.004	46020	0.005669			
						RPD = 24.89			
9 delta-BHC									M
1	1	3.087	3.087	0.000	96026	0.000516			M
2	2	3.703	3.727	-0.024	23424	0.001962			
						RPD = 116.68			
11 Heptachlor									M
1	1	3.250	3.263	-0.013	265687	0.000572			M
2	2	3.783	3.803	-0.020	11545	0.001138			
						RPD = 66.22			
12 Aldrin									M
1	1	3.503	3.520	-0.017	158864	0.000579			M
2	2	4.133	4.137	-0.004	3830	0.001125			
						RPD = 64.06			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
14 Heptachlor epoxide									M
1	1	4.070	4.083	-0.013	428750	0.001727			M
2	2	4.743	4.733	0.010	51397	0.003259			
						RPD = 61.48			
18 4,4'-DDE									M
1	1	4.433	4.427	0.006	489637	0.002858			M
2	2	5.283	5.267	0.016	8692	0.001310			
						RPD = 74.26			
21 Dieldrin									M
1	1	4.680	4.713	-0.033	259883	0.000598			M
2	2	5.403	5.437	-0.034	13104	0.001476			
						RPD = 84.69			
23 Endrin									
1	1	4.947	4.953	-0.006	750594	0.003858			
2	2	5.760	5.760	0.000	6481	0.001050			
						RPD = 114.41			
24 4,4'-DDD									M
1	1	5.023	5.030	-0.007	235681	0.001034			M
2	2	5.873	5.870	0.003	682	0.001080			
						RPD = 4.38			
29 Endrin aldehyde									M
1	1	5.580	5.597	-0.017	252207	0.001260			M
2	2	6.313	6.320	-0.007	7789	0.000917			
						RPD = 31.56			
$ 34 DCB Decachlorobiphenyl									M
1	1	7.343	7.357	-0.014	369001	0.003385			M
2	2	8.377	8.383	-0.006	71222	0.004428			
						RPD = 26.69			

QC Flag Legend

Review Flags
M - Manually Integrated

TestAmerica Buffalo
Target Compound Quantitation Report

Data File: \\Bufchrom\ChromData\HP6890-25\20130603-22183.b\25_52110.D
Lims ID: 480-39120-E-7-A Client ID: SW-7
Inject. Date: 03-Jun-2013 13:58:49 Dil. Factor: 1.0000
Sample Type: Client
Sample ID: Name:
Misc. Info.: Study: Channel B: I/F Serial#, CN10839003
Operator: tchrom Instrument ID: HP6890-25
Injection Vol: 1.0 ul ALS Bottle#: 0
Lims Batch ID: 121710 Lims Sample ID: 12
Detector 1 : Ch-A-6A58132
Detector 2 : Ch-B-6b58132

Method: \\Bufchrom\ChromData\HP6890-25\20130603-22183.b\8081-25.m
Last Update: 06-Jun-2013 15:03:40 Calib Date: 29-May-2013 16:08:04
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Bufchrom\ChromData\HP6890-25\20130529-22075.b\25_52069.D
Limit Group: GC - 8081A ICAL
Integrator: Falcon
Column Type: Column Dia:
Process Host: XAWRK006

First Level Reviewer: WolfL Date: 06-Jun-2013 15:02:36

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
$ 4 Tetrachloro-m-xylene									M
1	1	2.250	2.263	-0.013	1048660	0.008467			M
2	2	2.573	2.573	0.000	167789	0.0124			
						RPD = 37.52			
6 alpha-BHC									M
1	1	2.630	2.650	-0.020	190047	0.001225			M
2	2	3.060	3.063	-0.003	9151	0.001388			
						RPD = 12.44			
7 gamma-BHC (Lindane)									M
1	1	2.897	2.887	0.010	114238	0.000817			M
2	2	3.377	3.377	0.000	22907	0.002026			
						RPD = 85.07			
8 beta-BHC									M
1	1	2.957	2.953	0.004	335352	0.004168			M
2	2	3.443	3.447	-0.004	10131	0.001468			
						RPD = 95.79			
11 Heptachlor									M
1	1	3.250	3.263	-0.013	450731	0.001731			M
2	2	3.783	3.803	-0.020	2440	0.000690			
						RPD = 86.01			

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Buffalo | Job No.: 480-39120-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 480-121378/1-A

Matrix: Water | Lab File ID: 25_52102.D

Analysis Method: 8081A | Date Collected:

Extraction Method: 3510C | Date Extracted: 05/31/2013 07:26

Sample wt/vol: 250(mL) | Date Analyzed: 06/03/2013 09:52

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 121710 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		0.050	0.0092
72-55-9	4,4'-DDE	ND		0.050	0.012
50-29-3	4,4'-DDT	ND		0.050	0.011
309-00-2	Aldrin	ND		0.050	0.0066
319-84-6	alpha-BHC	ND		0.050	0.0066
5103-71-9	alpha-Chlordane	ND		0.050	0.015
319-85-7	beta-BHC	ND		0.050	0.025
319-86-8	delta-BHC	ND		0.050	0.010
60-57-1	Dieldrin	ND		0.050	0.0098
959-98-8	Endosulfan I	ND		0.050	0.011
33213-65-9	Endosulfan II	ND		0.050	0.012
1031-07-8	Endosulfan sulfate	ND		0.050	0.016
72-20-8	Endrin	ND		0.050	0.014
7421-93-4	Endrin aldehyde	0.0313	J	0.050	0.016
53494-70-5	Endrin ketone	ND		0.050	0.012
58-89-9	gamma-BHC (Lindane)	ND		0.050	0.0060
5103-74-2	gamma-Chlordane	ND		0.050	0.011
76-44-8	Heptachlor	ND		0.050	0.0085
1024-57-3	Heptachlor epoxide	ND		0.050	0.0053
72-43-5	Methoxychlor	ND		0.050	0.014
8001-35-2	Toxaphene	ND		0.50	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	38		20-120
877-09-8	Tetrachloro-m-xylene	78		36-120

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ul	Ratio Range	Ratio	Flags
14 Heptachlor epoxide									
1	1	4.083	4.083	0.000	6902853	0.0487			
2	2	4.733	4.733	0.000	815188	0.0456			
						RPD = 6.43			
16 gamma-Chlordane									M
1	1	4.210	4.207	0.003	7517248	0.0451			
2	2	4.933	4.933	0.000	509065	0.0266			M
						RPD = 51.49			
17 alpha-Chlordane									
1	1	4.340	4.340	0.000	6846509	0.0456			
2	2	5.090	5.090	0.000	768191	0.0410			
						RPD = 10.45			
18 4,4'-DDE									
1	1	4.430	4.427	0.003	6162429	0.0387			
2	2	5.267	5.267	0.000	770052	0.0408			
						RPD = 5.46			
19 Endosulfan I									
1	1	4.473	4.470	0.003	5072722	0.0370			
2	2	5.150	5.150	0.000	683221	0.0413			
						RPD = 10.90			
21 Dieldrin									
1	1	4.713	4.713	0.000	6650187	0.0442			
2	2	5.440	5.437	0.003	818231	0.0426			
						RPD = 3.71			
23 Endrin									
1	1	4.947	4.953	-0.006	6431202	0.0454			
2	2	5.757	5.760	-0.003	848286	0.0467			
						RPD = 2.99			
24 4,4'-DDD									
1	1	5.033	5.030	0.003	6242542	0.0484			
2	2	5.873	5.870	0.003	743710	0.0466			
						RPD = 3.79			
27 Endosulfan II									
1	1	5.173	5.170	0.003	6206433	0.0468			
2	2	5.973	5.973	0.000	728194	0.0446			
						RPD = 4.81			
28 4,4'-DDT									
1	1	5.320	5.323	-0.003	6389725	0.0422			
2	2	6.200	6.203	-0.003	704319	0.0414			
						RPD = 1.85			
29 Endrin aldehyde									
1	1	5.600	5.597	0.003	5177511	0.0480			
2	2	6.320	6.320	0.000	603312	0.0453			
						RPD = 5.76			
30 Methoxychlor									
1	1	5.830	5.833	-0.003	2521769	0.0417			
2	2	6.897	6.900	-0.003	457438	0.0593			
						RPD = 34.97			

2014 Supplemental Site Characterization

OW-16, OW-31, OW-32, OW-33, OW-34, OW-35, OW-36, & OW-37

Data Usability Summary Report

Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

Nash Rd. LF #932054
TestAmerica SDG#480-60169-1
November 3, 2021
Reissued; December 3, 2021
Sampling date: 5/19, 20/2014

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
20 Hickory Grove Spur
Fulton, NY 13069

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package(reissued; December 3, 2021) for LiRo Engineers, project located at Nash Rd. LF #932054, TestAmerica SDG#480-60169-1 submitted to Vali-Data of WNY, LLC on September 30, 2021. This DUSR has been prepared in general compliance with USEPA National Functional Guidelines(NFG) and NYSDEC Analytical Services Protocols. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), Herbicides (8151A) and Inorganics (6010C, 7470A).

ID	Sample ID	Laboratory ID
1	OW-35	480-60169-1
2	OW-36	480-60169-2
3	OW-34	480-60169-3
4	OW-16	480-60169-4
5	OW-32	480-60169-5
6	Trip Blank	480-60169-6
7	OW-37	480-60219-1
8	OW-33	480-60219-2
9	OW-31	480-60219-3
10	TB	480-60219-4

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Internal Standard (IS) Area Performance
-Surrogate Spike Recoveries
-Method Blank
-Field Duplicate Sample Precision
-Laboratory Control Samples
-MS/MSD
-Compound Quantitation
-Initial Calibration
-Continuing Calibration
-GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with

the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Continuing Calibration.

Samples: OW-16, OW-32, OW-34, OW-35 and OW-36 were diluted due to foaming.
Sample: OW-36 was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes in which the RSD > 20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of some target analytes were outside QC limits in the continuing calibration and should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
CCVIS 480-183315/3	Chloroethane	37.4	UJ	MB 480-183315, 1-6
CCVIS 480-183315/3	Bromomethane	31.1	UJ	MB 480-183315, 1-6
CCVIS 480-183315/3	Bromodichloromethane	27.9	UJ	MB 480-183315, 1-6

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Method Blank and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except some target analytes were detected in the method blanks. These target analytes should be qualified as undetected at the reporting limit in associated samples in which they were detected below the reporting limit. These target analytes should be qualified as estimated high in associated samples in which they were detected above the reporting limit.

Blank ID	Target analyte	Concentration(ug/L)	Qualifier	Associated Sample
MB 480-183336	Di-n-butyl phthalate	1.18	U at RL	1-5, 7-9
MB 480-183336	Benzaldehyde	.444	U at RL	1, 4, 7, 9
MB 480-183336	4-Methylphenol	2.71	U at RL	1-5, 7-9
MB 480-183336	Diethylphthalate	.701	U at RL	2, 4, 5

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on target analytes in which the RSD >15.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of one of the target analytes was outside QC limits. This target analyte should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
CCVIS 480-184443/3	Benzo(g,h,i)perylene	33.6	UJ	MB 480-183336
CCVIS 480-184443/3	Indeno(1,2,3-cd)pyrene	35.6	UJ	MB 480-183336
CCVIS 480-184443/3	Caprolactam	-41.7	UJ	MB 480-183336
CCVIS 480-184750/3	Benzo(g,h,i)perylene	34.7	UJ	7-9
CCVIS 480-184750/3	Indeno(1,2,3-cd)pyrene	36.2	UJ	7-9
CCVIS 480-184939/3	Benzo(g,h,i)perylene	37.9	UJ	1-5
CCVIS 480-184939/3	Indeno(1,2,3-cd)pyrene	37.1	UJ	1-5
CCVIS 480-184939/3	4-Methylphenol	20.3	UJ	1-5

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Method Blank, Laboratory Control Samples, Surrogate Spike Recoveries and Compound Quantitation.

Sample: OW-16 was diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP was outside QC limits, low off column RTX-CLPI in OW-16 and MB 480-183216-1-A and should be qualified as estimated. This column was not prime for this sample and blank, so no further action is required.
The %Rec of DCBP was outside QC limits, low off column RTX-CLPI in OW-31 and LCS 480-183479/2-A and should be qualified as estimated. The %Rec of DCBP was outside QC limits, low off both columns in LCS 480-183216/2-A and LCSD 480-183479/3-A and should be qualified as estimated. Target analytes in these sample and spikes should be qualified as estimated.

METHOD BLANK
All the criteria were met except target analytes were detected in the blanks above the MDL, below the reporting limit and should be qualified as estimated. These target analytes should be qualified as undetected in the associated samples in which they were detected above the MDL but below the reporting limit. These target analytes should be qualified as estimated high in the associated samples in which they were detected above the reporting limit.

Blank ID	Target Analyte	Concentration(ug/L)	Qualifier	Associated Sample
MB 480-183216	delta-BHC	.0121	U at RL	2,3
MB 480-183216	delta-BHC	.0121	JH	5
MB 480-183479	4,4'-DDD	.0111	U at RL	7
MB 480-183479	alpha-BHC	.0156	U at RL	7-9

The RPD of alpha-BHC outside QC limits between the columns in MB 480-183479/1-A and should be qualified as estimated.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of Methoxychlor was outside QC limits between the columns in LCS 480-183479/2-A and LCSD 480-183479/3-A and should be qualified as estimated.

MS/MSD
No MS/MSD was acquired for this analysis.

COMPOUND QUANTITATION
All criteria were met except the RPD of some target analytes were outside QC limits between the columns and should be qualified as estimated.

Sample ID	Target Analyte	Qualifier
OW-35	All detects	J
OW-36	g-BHC, 4,4'-DDE	J
OW-34	g-BHC, Aldrin, Methoxychlor	J
OW-32	d-BHC, Heptachlor, Aldrin, Endrin Endosulfan I, Methoxychlor	J
OW-37	All detects except Dieldrin	J
OW-33	All detects	J
OW-31	All detects except 4,4'-DDT	J

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside QC limits on the confirmatory column, so no further action is required.
Some target analytes were outside laboratory QC limits but within NFG QC limits, so no further action is required.

HERBICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries

- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
-

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All the criteria were met except the RPD of 2,4-D and 2,4,5-T was outside QC limits between the columns in OW-35MS/MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all of the target analytes and surrogates, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
Some target analytes were outside laboratory QC limits but were within NFG QC limits, so no further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD/Duplicate
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD/DUPLICATE
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %D of some target analytes was outside QC limits. These target analytes should be qualified as estimated in the associated samples, blanks and spikes.

Calibration ID	Target Analyte	%D	Qualifier	Associated Sample
CCVL 480-183497/28	Ba	124	JH	LCS 480-183227
CCVL 480-183497/47	Ba	119	JH	7-9
CCVL 480-183499/16	Ba	112	JH	LCS 480-183225
CCVL 480-183499/35	Ag	84	UJ/J	1-5
CCVL 480-183499/47	Ba	150	JH	4, 5
CCVL 480-183499/47	Cr	112	JH	4, 5

Job Narrative
480-60169-1

Revision (1)
The report has been revised to include raw data for mercury batch 183769 as requested by the data validator in November 2021. Note that other items the validator was looking for were not required to be included in deliverables at the time these samples were analyzed.

Receipt
The samples were received on 5/19/2014 6:45 PM and 5/20/2014 4:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 1.1º C, 1.3º C and 4.4º C.

GC/MS VOA
Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) for batch 183315 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria. (CCVIS 480-183315/3)

Method(s) 8260C: The laboratory control sample (LCS) for batch 183315 recovered outside control limits for the following analyte: Dichlorobromomethane. This analyte was biased high in the LCS, ND in the asscociated samples and the analyte is not a required client spiking compound, therefore, the data have been qualified and reported (LCS 480-183315/5)

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: OW-16 (480-60169-4), OW-32 (480-60169-5), OW-34 (480-60169-3), OW-35 (480-60169-1), OW-36 (480-60169-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OW-36 (480-60169-2). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) for batch 183781 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The large number of analytes included in the continuing calibration verification (CCV) in batch 183684 gives a high probability that one or more analytes will be outside acceptance criteria. As indicated in the reference method, analysis may proceed as long as no more than 20% of the analytes are outside the method-defined %D criteria.

Method(s) 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for batch 183781 recovered outside control limits for the following analytes: 2-Hexanone. This analyte was not requested spiking analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The continuing calibration verification (CCV) associated with analytical batch 184750 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-184750/3).

Method(s) 8270D: The continuing calibration verification (CCV) associated with analytical batch 184939 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-184939/3).

Method(s) 8270D: The continuing calibration verification (CCV) associated with analytical batch 185372 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCVIS 480-185372/3).

Method(s) 8270D: The continuing calibration verification (CCV) in analytical batch 185372 was outside the method criteria for multiple analytes. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method(s) 8270D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 183336 recovered outside control limits for multiple analytes. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

Method(s) 8270D: The continuing calibration verification (CCV) associated with analytical batch 184443 recovered above the upper control limit for multiple analytes. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: (CCV 480-184443/5), (CCVIS 480-184443/3).

Method(s) 8270D: The method blank for preparation batch 183336 contained multiple analytes above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not

performed.

Method(s) 8270D: The following analyte has been identified, in the reference method and/or via historical data, to be poor and/or erratic performers: Caprolactum. This analyte may have a %D >60% if the average %D of all the analytes in the continuing calibration verification (CCV) is 30%. (CCV 480-184443/5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) 8081B: The following sample was diluted due to the nature of the sample matrix: OW-16 (480-60169-4). Elevated reporting limits (RLs) are provided.

Method(s) 8081B: The method blank MB 480-183479/1-A contained the analytes 4,4'-DDD and alpha-BHC above the method detection limit. These target analyte concentrations were less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8081B: The method blank MB 480-183216/1-A contained the analyte delta-BHC above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 8081B: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

Method(s) 8081B: All primary data is reported from the RTX-CLPI column, with the exception of samples OW-32 (480-60169-5), OW-34 (480-60169-3), OW-35 (480-60169-1), OW-36 (480-60169-2), for which primary data is reported from the RTX-CLPII column.

Method(s) 8151A: All primary data is reported from the RTX-CLPI column.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method(s) 6010C: The low level continuing calibration verification (CCVL 480-183449/47) recovered above the upper control limit for barium. The sample(s) OW-16 (480-60169-4), OW-32 (480-60169-5) associated with this CCVL contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with batch 183336.

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 183479

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-35

Lab Sample ID: 480-60169-1 Date Sampled: 05/19/2014 1150
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7494.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 1758			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 1758				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	3.8	J	2.1	5.0
Bromodichloromethane	ND	*	2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	80		3.8	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		2.5	13
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-35

Lab Sample ID: 480-60169-1 Date Sampled: 05/19/2014 1150
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7494.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 1758			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 1758				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		66 - 137
4-Bromofluorobenzene (Surr)	91		73 - 120
Toluene-d8 (Surr)	96		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7495.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 1823			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 1823				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	3.1	J	2.1	5.0
Bromodichloromethane	ND	*	2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	19		3.8	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	200		3.7	5.0
Isopropylbenzene	13		4.0	5.0
Methyl acetate	ND		2.5	13
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7495.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 1823			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 1823				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	1300	E	3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	115		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Toluene-d8 (Surr)	96		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183781	Instrument ID:	HP5973C
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	C40043.D
Dilution:	25			Initial Weight/Volume:	5 mL
Analysis Date:	05/23/2014 1257	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	05/23/2014 1257				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		21	25
1,1,2,2-Tetrachloroethane	ND		5.3	25
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		7.8	25
1,1,2-Trichloroethane	ND		5.8	25
1,1-Dichloroethane	ND		9.5	25
1,1-Dichloroethene	ND		7.3	25
1,2,4-Trichlorobenzene	ND		10	25
1,2-Dibromo-3-Chloropropane	ND		9.8	25
1,2-Dibromoethane	ND		18	25
1,2-Dichlorobenzene	ND		20	25
1,2-Dichloroethane	ND		5.3	25
1,2-Dichloropropane	ND		18	25
1,3-Dichlorobenzene	ND		20	25
1,4-Dichlorobenzene	ND		21	25
2-Butanone (MEK)	ND	*	33	250
2-Hexanone	ND	*	31	130
4-Methyl-2-pentanone (MIBK)	ND		53	130
Acetone	ND		75	250
Benzene	ND		10	25
Bromodichloromethane	ND		9.8	25
Bromoform	ND		6.5	25
Bromomethane	ND		17	25
Carbon disulfide	ND		4.8	25
Carbon tetrachloride	ND		6.8	25
Chlorobenzene	22	J	19	25
Chloroethane	ND		8.0	25
Chloroform	ND		8.5	25
Chloromethane	ND		8.8	25
cis-1,2-Dichloroethene	ND		20	25
cis-1,3-Dichloropropene	ND		9.0	25
Cyclohexane	ND		4.5	25
Dibromochloromethane	ND		8.0	25
Dichlorodifluoromethane	ND		17	25
Ethylbenzene	220		19	25
Isopropylbenzene	ND		20	25
Methyl acetate	ND		13	63
Methyl tert-butyl ether	ND		4.0	25
Methylcyclohexane	ND		4.0	25
Methylene Chloride	ND		11	25
Styrene	ND		18	25
Tetrachloroethene	ND		9.0	25
Toluene	ND		13	25
trans-1,2-Dichloroethene	ND		23	25
trans-1,3-Dichloropropene	ND		9.3	25
Trichloroethene	ND		12	25
Trichlorofluoromethane	ND		22	25

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183781	Instrument ID:	HP5973C
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	C40043.D
Dilution:	25			Initial Weight/Volume:	5 mL
Analysis Date:	05/23/2014 1257	Run Type:	DL	Final Weight/Volume:	5 mL
Prep Date:	05/23/2014 1257				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		23	25
Xylenes, Total	1700		17	50

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106		66 - 137
4-Bromofluorobenzene (Surr)	103		73 - 120
Toluene-d8 (Surr)	100		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-34

Lab Sample ID: 480-60169-3 Date Sampled: 05/19/2014 1436
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7496.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 1956			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 1956				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND	*	2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		2.5	13
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-34

Lab Sample ID: 480-60169-3 Date Sampled: 05/19/2014 1436
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7496.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 1956			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 1956				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	114		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-16

Lab Sample ID: 480-60169-4 Date Sampled: 05/19/2014 1605
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7497.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 2020			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 2020				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		3.3	4.0
1,1,2,2-Tetrachloroethane	ND		0.84	4.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.2	4.0
1,1,2-Trichloroethane	ND		0.92	4.0
1,1-Dichloroethane	ND		1.5	4.0
1,1-Dichloroethene	ND		1.2	4.0
1,2,4-Trichlorobenzene	ND		1.6	4.0
1,2-Dibromo-3-Chloropropane	ND		1.6	4.0
1,2-Dibromoethane	ND		2.9	4.0
1,2-Dichlorobenzene	ND		3.2	4.0
1,2-Dichloroethane	ND		0.84	4.0
1,2-Dichloropropane	ND		2.9	4.0
1,3-Dichlorobenzene	ND		3.1	4.0
1,4-Dichlorobenzene	3.4	J	3.4	4.0
2-Butanone (MEK)	ND		5.3	40
2-Hexanone	ND		5.0	20
4-Methyl-2-pentanone (MIBK)	ND		8.4	20
Acetone	ND		12	40
Benzene	3.2	J	1.6	4.0
Bromodichloromethane	ND	*	1.6	4.0
Bromoform	ND		1.0	4.0
Bromomethane	ND		2.8	4.0
Carbon disulfide	ND		0.76	4.0
Carbon tetrachloride	ND		1.1	4.0
Chlorobenzene	16		3.0	4.0
Chloroethane	ND		1.3	4.0
Chloroform	ND		1.4	4.0
Chloromethane	ND		1.4	4.0
cis-1,2-Dichloroethene	ND		3.2	4.0
cis-1,3-Dichloropropene	ND		1.4	4.0
Cyclohexane	ND		0.72	4.0
Dibromochloromethane	ND		1.3	4.0
Dichlorodifluoromethane	ND		2.7	4.0
Ethylbenzene	ND		3.0	4.0
Isopropylbenzene	ND		3.2	4.0
Methyl acetate	ND		2.0	10
Methyl tert-butyl ether	ND		0.64	4.0
Methylcyclohexane	ND		0.64	4.0
Methylene Chloride	ND		1.8	4.0
Styrene	ND		2.9	4.0
Tetrachloroethene	ND		1.4	4.0
Toluene	ND		2.0	4.0
trans-1,2-Dichloroethene	ND		3.6	4.0
trans-1,3-Dichloropropene	ND		1.5	4.0
Trichloroethene	ND		1.8	4.0
Trichlorofluoromethane	ND		3.5	4.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-16

Lab Sample ID: 480-60169-4 Date Sampled: 05/19/2014 1605
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7497.D
Dilution:	4.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 2020			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 2020				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		3.6	4.0
Xylenes, Total	ND		2.6	8.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		66 - 137
4-Bromofluorobenzene (Surr)	94		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-32

Lab Sample ID: 480-60169-5 Date Sampled: 05/19/2014 1740
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7498.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 2045			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 2045				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		4.1	5.0
1,1,2,2-Tetrachloroethane	ND		1.1	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.6	5.0
1,1,2-Trichloroethane	ND		1.2	5.0
1,1-Dichloroethane	ND		1.9	5.0
1,1-Dichloroethene	ND		1.5	5.0
1,2,4-Trichlorobenzene	ND		2.1	5.0
1,2-Dibromo-3-Chloropropane	ND		2.0	5.0
1,2-Dibromoethane	ND		3.7	5.0
1,2-Dichlorobenzene	ND		4.0	5.0
1,2-Dichloroethane	ND		1.1	5.0
1,2-Dichloropropane	ND		3.6	5.0
1,3-Dichlorobenzene	ND		3.9	5.0
1,4-Dichlorobenzene	ND		4.2	5.0
2-Butanone (MEK)	ND		6.6	50
2-Hexanone	ND		6.2	25
4-Methyl-2-pentanone (MIBK)	ND		11	25
Acetone	ND		15	50
Benzene	ND		2.1	5.0
Bromodichloromethane	ND	*	2.0	5.0
Bromoform	ND		1.3	5.0
Bromomethane	ND		3.5	5.0
Carbon disulfide	ND		0.95	5.0
Carbon tetrachloride	ND		1.4	5.0
Chlorobenzene	ND		3.8	5.0
Chloroethane	ND		1.6	5.0
Chloroform	ND		1.7	5.0
Chloromethane	ND		1.8	5.0
cis-1,2-Dichloroethene	ND		4.1	5.0
cis-1,3-Dichloropropene	ND		1.8	5.0
Cyclohexane	ND		0.90	5.0
Dibromochloromethane	ND		1.6	5.0
Dichlorodifluoromethane	ND		3.4	5.0
Ethylbenzene	ND		3.7	5.0
Isopropylbenzene	ND		4.0	5.0
Methyl acetate	ND		2.5	13
Methyl tert-butyl ether	ND		0.80	5.0
Methylcyclohexane	ND		0.80	5.0
Methylene Chloride	ND		2.2	5.0
Styrene	ND		3.7	5.0
Tetrachloroethene	ND		1.8	5.0
Toluene	ND		2.6	5.0
trans-1,2-Dichloroethene	ND		4.5	5.0
trans-1,3-Dichloropropene	ND		1.9	5.0
Trichloroethene	ND		2.3	5.0
Trichlorofluoromethane	ND		4.4	5.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-32

Lab Sample ID: 480-60169-5 Date Sampled: 05/19/2014 1740
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7498.D
Dilution:	5.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 2045			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 2045				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		4.5	5.0
Xylenes, Total	ND		3.3	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	116		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Toluene-d8 (Surr)	97		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-60169-6 Date Sampled: 05/19/2014 0000
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7499.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 2110			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 2110				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	3.2	J	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND	*	0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	0.44	J	0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-60169-6 Date Sampled: 05/19/2014 0000
Client Matrix: Water Date Received: 05/19/2014 1845

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183315	Instrument ID:	HP5973P
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	P7499.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/21/2014 2110			Final Weight/Volume:	5 mL
Prep Date:	05/21/2014 2110				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	118		66 - 137
4-Bromofluorobenzene (Surr)	93		73 - 120
Toluene-d8 (Surr)	98		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-37

Lab Sample ID: 480-60219-1 Date Sampled: 05/20/2014 1040
Client Matrix: Water Date Received: 05/20/2014 1630

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183684	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S38412.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/23/2014 0826			Final Weight/Volume:	5 mL
Prep Date:	05/23/2014 0826				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	4.6	J	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	1.0		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-37

Lab Sample ID: 480-60219-1 Date Sampled: 05/20/2014 1040
Client Matrix: Water Date Received: 05/20/2014 1630

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183684	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S38412.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/23/2014 0826			Final Weight/Volume:	5 mL
Prep Date:	05/23/2014 0826				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	108		66 - 137
4-Bromofluorobenzene (Surr)	101		73 - 120
Toluene-d8 (Surr)	106		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-33

Lab Sample ID: 480-60219-2 Date Sampled: 05/20/2014 1240
Client Matrix: Water Date Received: 05/20/2014 1630

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183684	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S38413.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/23/2014 0848			Final Weight/Volume:	5 mL
Prep Date:	05/23/2014 0848				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-33

Lab Sample ID: 480-60219-2 Date Sampled: 05/20/2014 1240
Client Matrix: Water Date Received: 05/20/2014 1630

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183684	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S38413.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/23/2014 0848			Final Weight/Volume:	5 mL
Prep Date:	05/23/2014 0848				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	109		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-31

Lab Sample ID: 480-60219-3 Date Sampled: 05/20/2014 1440
Client Matrix: Water Date Received: 05/20/2014 1630

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183684	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S38414.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/23/2014 0909			Final Weight/Volume:	5 mL
Prep Date:	05/23/2014 0909				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	2.0	J	1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	6.6	J	3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	1.7		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	ND		0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-31

Lab Sample ID: 480-60219-3 Date Sampled: 05/20/2014 1440
Client Matrix: Water Date Received: 05/20/2014 1630

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183684	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S38414.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/23/2014 0909			Final Weight/Volume:	5 mL
Prep Date:	05/23/2014 0909				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	104		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: TB

Lab Sample ID: 480-60219-4 Date Sampled: 05/20/2014 0000
Client Matrix: Water Date Received: 05/20/2014 1630

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183684	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S38415.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/23/2014 0931			Final Weight/Volume:	5 mL
Prep Date:	05/23/2014 0931				

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	ND		0.82	1.0
1,1,2,2-Tetrachloroethane	ND		0.21	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.31	1.0
1,1,2-Trichloroethane	ND		0.23	1.0
1,1-Dichloroethane	ND		0.38	1.0
1,1-Dichloroethene	ND		0.29	1.0
1,2,4-Trichlorobenzene	ND		0.41	1.0
1,2-Dibromo-3-Chloropropane	ND		0.39	1.0
1,2-Dibromoethane	ND		0.73	1.0
1,2-Dichlorobenzene	ND		0.79	1.0
1,2-Dichloroethane	ND		0.21	1.0
1,2-Dichloropropane	ND		0.72	1.0
1,3-Dichlorobenzene	ND		0.78	1.0
1,4-Dichlorobenzene	ND		0.84	1.0
2-Butanone (MEK)	ND		1.3	10
2-Hexanone	ND		1.2	5.0
4-Methyl-2-pentanone (MIBK)	ND		2.1	5.0
Acetone	ND		3.0	10
Benzene	ND		0.41	1.0
Bromodichloromethane	ND		0.39	1.0
Bromoform	ND		0.26	1.0
Bromomethane	ND		0.69	1.0
Carbon disulfide	ND		0.19	1.0
Carbon tetrachloride	ND		0.27	1.0
Chlorobenzene	ND		0.75	1.0
Chloroethane	ND		0.32	1.0
Chloroform	ND		0.34	1.0
Chloromethane	ND		0.35	1.0
cis-1,2-Dichloroethene	ND		0.81	1.0
cis-1,3-Dichloropropene	ND		0.36	1.0
Cyclohexane	ND		0.18	1.0
Dibromochloromethane	ND		0.32	1.0
Dichlorodifluoromethane	ND		0.68	1.0
Ethylbenzene	ND		0.74	1.0
Isopropylbenzene	ND		0.79	1.0
Methyl acetate	ND		0.50	2.5
Methyl tert-butyl ether	ND		0.16	1.0
Methylcyclohexane	ND		0.16	1.0
Methylene Chloride	0.55	J	0.44	1.0
Styrene	ND		0.73	1.0
Tetrachloroethene	ND		0.36	1.0
Toluene	ND		0.51	1.0
trans-1,2-Dichloroethene	ND		0.90	1.0
trans-1,3-Dichloropropene	ND		0.37	1.0
Trichloroethene	ND		0.46	1.0
Trichlorofluoromethane	ND		0.88	1.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: TB

Lab Sample ID: 480-60219-4 Date Sampled: 05/20/2014 0000
Client Matrix: Water Date Received: 05/20/2014 1630

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	480-183684	Instrument ID:	HP5973S
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	S38415.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	05/23/2014 0931			Final Weight/Volume:	5 mL
Prep Date:	05/23/2014 0931				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Vinyl chloride	ND		0.90	1.0
Xylenes, Total	ND		0.66	2.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		66 - 137
4-Bromofluorobenzene (Surr)	99		73 - 120
Toluene-d8 (Surr)	105		71 - 126

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-35

Lab Sample ID: 480-60169-1 Date Sampled: 05/19/2014 1150
Client Matrix: Water Date Received: 05/19/2014 1845

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184939	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07493.D
Dilution:	1.0			Initial Weight/Volume:	258.7 mL
Analysis Date:	05/31/2014 0335			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.63	4.8
bis (2-chloroisopropyl) ether	ND		0.50	4.8
2,4,5-Trichlorophenol	ND		0.46	4.8
2,4,6-Trichlorophenol	ND		0.59	4.8
2,4-Dichlorophenol	ND	*	0.49	4.8
2,4-Dimethylphenol	ND		0.48	4.8
2,4-Dinitrophenol	ND		2.1	9.7
2,4-Dinitrotoluene	ND		0.43	4.8
2,6-Dinitrotoluene	ND		0.39	4.8
2-Chloronaphthalene	ND		0.44	4.8
2-Chlorophenol	0.68	J	0.51	4.8
2-Methylnaphthalene	ND		0.58	4.8
2-Methylphenol	ND		0.39	4.8
2-Nitroaniline	ND		0.41	9.7
2-Nitrophenol	ND		0.46	4.8
3,3'-Dichlorobenzidine	ND		0.39	4.8
3-Nitroaniline	ND	*	0.46	9.7
4,6-Dinitro-2-methylphenol	ND		2.1	9.7
4-Bromophenyl phenyl ether	ND		0.43	4.8
4-Chloro-3-methylphenol	ND		0.43	4.8
4-Chloroaniline	ND		0.57	4.8
4-Chlorophenyl phenyl ether	ND		0.34	4.8
4-Methylphenol	2.8	J * B	0.35	9.7
4-Nitroaniline	ND		0.24	9.7
4-Nitrophenol	ND		1.5	9.7
Acenaphthene	ND		0.40	4.8
Acenaphthylene	ND		0.37	4.8
Acetophenone	ND		0.52	4.8
Anthracene	ND		0.27	4.8
Atrazine	ND		0.44	4.8
Benzaldehyde	0.39	J B	0.26	4.8
Benzo(a)anthracene	ND		0.35	4.8
Benzo(a)pyrene	ND		0.45	4.8
Benzo(b)fluoranthene	ND		0.33	4.8
Benzo(g,h,i)perylene	ND		0.34	4.8
Benzo(k)fluoranthene	ND		0.71	4.8
Bis(2-chloroethoxy)methane	ND		0.34	4.8
Bis(2-chloroethyl)ether	ND		0.39	4.8
Bis(2-ethylhexyl) phthalate	ND		1.7	4.8
Butyl benzyl phthalate	ND		0.41	4.8
Caprolactam	ND		2.1	4.8
Carbazole	ND		0.29	4.8
Chrysene	ND		0.32	4.8
Di-n-butyl phthalate	0.63	J B	0.30	4.8
Di-n-octyl phthalate	ND		0.45	4.8
Dibenz(a,h)anthracene	ND		0.41	4.8

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-35

Lab Sample ID: 480-60169-1 Date Sampled: 05/19/2014 1150
Client Matrix: Water Date Received: 05/19/2014 1845

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184939	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07493.D
Dilution:	1.0			Initial Weight/Volume:	258.7 mL
Analysis Date:	05/31/2014 0335			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.49	9.7
Diethyl phthalate	ND		0.21	4.8
Dimethyl phthalate	ND		0.35	4.8
Fluoranthene	ND		0.39	4.8
Fluorene	ND		0.35	4.8
Hexachlorobenzene	ND	*	0.49	4.8
Hexachlorobutadiene	ND		0.66	4.8
Hexachlorocyclopentadiene	ND		0.57	4.8
Hexachloroethane	ND		0.57	4.8
Indeno(1,2,3-cd)pyrene	ND	*	0.45	4.8
Isophorone	ND		0.42	4.8
N-Nitrosodi-n-propylamine	ND		0.52	4.8
N-Nitrosodiphenylamine	ND		0.49	4.8
Naphthalene	ND		0.73	4.8
Nitrobenzene	ND		0.28	4.8
Pentachlorophenol	ND		2.1	9.7
Phenanthrene	0.62	J	0.43	4.8
Phenol	ND		0.38	4.8
Pyrene	ND		0.33	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	111		52 - 132
2-Fluorobiphenyl	84		48 - 120
2-Fluorophenol	58		20 - 120
Nitrobenzene-d5	77		46 - 120
p-Terphenyl-d14	104		67 - 150
Phenol-d5	52		16 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184939	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07494.D
Dilution:	1.0			Initial Weight/Volume:	263.7 mL
Analysis Date:	05/31/2014 0359			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	17		0.62	4.7
bis (2-chloroisopropyl) ether	ND		0.49	4.7
2,4,5-Trichlorophenol	ND		0.46	4.7
2,4,6-Trichlorophenol	ND		0.58	4.7
2,4-Dichlorophenol	ND	*	0.48	4.7
2,4-Dimethylphenol	18		0.47	4.7
2,4-Dinitrophenol	ND		2.1	9.5
2,4-Dinitrotoluene	ND		0.42	4.7
2,6-Dinitrotoluene	ND		0.38	4.7
2-Chloronaphthalene	ND		0.44	4.7
2-Chlorophenol	ND		0.50	4.7
2-Methylnaphthalene	1.2	J	0.57	4.7
2-Methylphenol	ND		0.38	4.7
2-Nitroaniline	ND		0.40	9.5
2-Nitrophenol	ND		0.46	4.7
3,3'-Dichlorobenzidine	ND		0.38	4.7
3-Nitroaniline	ND	*	0.46	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	9.5
4-Bromophenyl phenyl ether	ND		0.43	4.7
4-Chloro-3-methylphenol	7.5		0.43	4.7
4-Chloroaniline	ND		0.56	4.7
4-Chlorophenyl phenyl ether	ND		0.33	4.7
4-Methylphenol	2.7	J * B	0.34	9.5
4-Nitroaniline	ND		0.24	9.5
4-Nitrophenol	ND		1.4	9.5
Acenaphthene	ND		0.39	4.7
Acenaphthylene	ND		0.36	4.7
Acetophenone	ND		0.51	4.7
Anthracene	ND		0.27	4.7
Atrazine	ND		0.44	4.7
Benzaldehyde	ND		0.25	4.7
Benzo(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.45	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.69	4.7
Bis(2-chloroethoxy)methane	ND		0.33	4.7
Bis(2-chloroethyl)ether	ND		0.38	4.7
Bis(2-ethylhexyl) phthalate	5.4		1.7	4.7
Butyl benzyl phthalate	ND		0.40	4.7
Caprolactam	ND		2.1	4.7
Carbazole	ND		0.28	4.7
Chrysene	ND		0.31	4.7
Di-n-butyl phthalate	1.3	J B	0.29	4.7
Di-n-octyl phthalate	ND		0.45	4.7
Dibenz(a,h)anthracene	ND		0.40	4.7

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184939	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07494.D
Dilution:	1.0			Initial Weight/Volume:	263.7 mL
Analysis Date:	05/31/2014 0359			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.48	9.5
Diethyl phthalate	0.79	J B	0.21	4.7
Dimethyl phthalate	ND		0.34	4.7
Fluoranthene	ND		0.38	4.7
Fluorene	ND		0.34	4.7
Hexachlorobenzene	ND	*	0.48	4.7
Hexachlorobutadiene	ND		0.64	4.7
Hexachlorocyclopentadiene	ND		0.56	4.7
Hexachloroethane	ND		0.56	4.7
Indeno(1,2,3-cd)pyrene	ND	*	0.45	4.7
Isophorone	ND		0.41	4.7
N-Nitrosodi-n-propylamine	ND		0.51	4.7
N-Nitrosodiphenylamine	0.50	J	0.48	4.7
Naphthalene	7.1		0.72	4.7
Nitrobenzene	ND		0.27	4.7
Pentachlorophenol	ND		2.1	9.5
Phenanthrene	0.60	J	0.42	4.7
Phenol	2.8	J	0.37	4.7
Pyrene	ND		0.32	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	112		52 - 132
2-Fluorobiphenyl	85		48 - 120
2-Fluorophenol	61		20 - 120
Nitrobenzene-d5	82		46 - 120
p-Terphenyl-d14	106		67 - 150
Phenol-d5	51		16 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-34

Lab Sample ID: 480-60169-3 Date Sampled: 05/19/2014 1436
Client Matrix: Water Date Received: 05/19/2014 1845

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184939	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07495.D
Dilution:	1.0			Initial Weight/Volume:	241.8 mL
Analysis Date:	05/31/2014 0423			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.68	5.2
bis (2-chloroisopropyl) ether	ND		0.54	5.2
2,4,5-Trichlorophenol	ND		0.50	5.2
2,4,6-Trichlorophenol	ND		0.63	5.2
2,4-Dichlorophenol	ND	*	0.53	5.2
2,4-Dimethylphenol	ND		0.52	5.2
2,4-Dinitrophenol	ND		2.3	10
2,4-Dinitrotoluene	ND		0.46	5.2
2,6-Dinitrotoluene	ND		0.41	5.2
2-Chloronaphthalene	ND		0.48	5.2
2-Chlorophenol	ND		0.55	5.2
2-Methylnaphthalene	ND		0.62	5.2
2-Methylphenol	ND		0.41	5.2
2-Nitroaniline	ND		0.43	10
2-Nitrophenol	ND		0.50	5.2
3,3'-Dichlorobenzidine	ND		0.41	5.2
3-Nitroaniline	ND	*	0.50	10
4,6-Dinitro-2-methylphenol	ND		2.3	10
4-Bromophenyl phenyl ether	ND		0.47	5.2
4-Chloro-3-methylphenol	ND		0.47	5.2
4-Chloroaniline	ND		0.61	5.2
4-Chlorophenyl phenyl ether	ND		0.36	5.2
4-Methylphenol	2.2	J * B	0.37	10
4-Nitroaniline	ND		0.26	10
4-Nitrophenol	ND		1.6	10
Acenaphthene	ND		0.42	5.2
Acenaphthylene	ND		0.39	5.2
Acetophenone	ND		0.56	5.2
Anthracene	ND		0.29	5.2
Atrazine	ND		0.48	5.2
Benzaldehyde	ND		0.28	5.2
Benzo(a)anthracene	ND		0.37	5.2
Benzo(a)pyrene	ND		0.49	5.2
Benzo(b)fluoranthene	ND		0.35	5.2
Benzo(g,h,i)perylene	ND		0.36	5.2
Benzo(k)fluoranthene	ND		0.75	5.2
Bis(2-chloroethoxy)methane	ND		0.36	5.2
Bis(2-chloroethyl)ether	ND		0.41	5.2
Bis(2-ethylhexyl) phthalate	ND		1.9	5.2
Butyl benzyl phthalate	ND		0.43	5.2
Caprolactam	ND		2.3	5.2
Carbazole	ND		0.31	5.2
Chrysene	ND		0.34	5.2
Di-n-butyl phthalate	0.41	J B	0.32	5.2
Di-n-octyl phthalate	ND		0.49	5.2
Dibenz(a,h)anthracene	ND		0.43	5.2

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-34

Lab Sample ID: 480-60169-3 Date Sampled: 05/19/2014 1436
Client Matrix: Water Date Received: 05/19/2014 1845

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184939	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07495.D
Dilution:	1.0			Initial Weight/Volume:	241.8 mL
Analysis Date:	05/31/2014 0423			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.53	10
Diethyl phthalate	ND		0.23	5.2
Dimethyl phthalate	ND		0.37	5.2
Fluoranthene	ND		0.41	5.2
Fluorene	ND		0.37	5.2
Hexachlorobenzene	ND	*	0.53	5.2
Hexachlorobutadiene	ND		0.70	5.2
Hexachlorocyclopentadiene	ND		0.61	5.2
Hexachloroethane	ND		0.61	5.2
Indeno(1,2,3-cd)pyrene	ND	*	0.49	5.2
Isophorone	ND		0.44	5.2
N-Nitrosodi-n-propylamine	ND		0.56	5.2
N-Nitrosodiphenylamine	ND		0.53	5.2
Naphthalene	ND		0.79	5.2
Nitrobenzene	ND		0.30	5.2
Pentachlorophenol	ND		2.3	10
Phenanthrene	0.46	J	0.45	5.2
Phenol	ND		0.40	5.2
Pyrene	ND		0.35	5.2

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	116		52 - 132
2-Fluorobiphenyl	93		48 - 120
2-Fluorophenol	67		20 - 120
Nitrobenzene-d5	87		46 - 120
p-Terphenyl-d14	114		67 - 150
Phenol-d5	60		16 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-16

Lab Sample ID: 480-60169-4 Date Sampled: 05/19/2014 1605
Client Matrix: Water Date Received: 05/19/2014 1845

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184939	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07496.D
Dilution:	1.0			Initial Weight/Volume:	249.2 mL
Analysis Date:	05/31/2014 0447			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.66	5.0
bis (2-chloroisopropyl) ether	ND		0.52	5.0
2,4,5-Trichlorophenol	ND		0.48	5.0
2,4,6-Trichlorophenol	ND		0.61	5.0
2,4-Dichlorophenol	ND	*	0.51	5.0
2,4-Dimethylphenol	ND		0.50	5.0
2,4-Dinitrophenol	ND		2.2	10
2,4-Dinitrotoluene	ND		0.45	5.0
2,6-Dinitrotoluene	ND		0.40	5.0
2-Chloronaphthalene	ND		0.46	5.0
2-Chlorophenol	ND		0.53	5.0
2-Methylnaphthalene	0.92	J	0.60	5.0
2-Methylphenol	ND		0.40	5.0
2-Nitroaniline	ND		0.42	10
2-Nitrophenol	ND		0.48	5.0
3,3'-Dichlorobenzidine	ND		0.40	5.0
3-Nitroaniline	ND	*	0.48	10
4,6-Dinitro-2-methylphenol	ND		2.2	10
4-Bromophenyl phenyl ether	ND		0.45	5.0
4-Chloro-3-methylphenol	ND		0.45	5.0
4-Chloroaniline	ND		0.59	5.0
4-Chlorophenyl phenyl ether	ND		0.35	5.0
4-Methylphenol	2.1	J * B	0.36	10
4-Nitroaniline	ND		0.25	10
4-Nitrophenol	ND		1.5	10
Acenaphthene	ND		0.41	5.0
Acenaphthylene	ND		0.38	5.0
Acetophenone	1.5	J	0.54	5.0
Anthracene	ND		0.28	5.0
Atrazine	ND		0.46	5.0
Benzaldehyde	0.45	J B	0.27	5.0
Benzo(a)anthracene	ND		0.36	5.0
Benzo(a)pyrene	ND		0.47	5.0
Benzo(b)fluoranthene	ND		0.34	5.0
Benzo(g,h,i)perylene	ND		0.35	5.0
Benzo(k)fluoranthene	ND		0.73	5.0
Bis(2-chloroethoxy)methane	ND		0.35	5.0
Bis(2-chloroethyl)ether	ND		0.40	5.0
Bis(2-ethylhexyl) phthalate	3.6	J	1.8	5.0
Butyl benzyl phthalate	ND		0.42	5.0
Caprolactam	ND		2.2	5.0
Carbazole	ND		0.30	5.0
Chrysene	ND		0.33	5.0
Di-n-butyl phthalate	0.48	J B	0.31	5.0
Di-n-octyl phthalate	ND		0.47	5.0
Dibenz(a,h)anthracene	ND		0.42	5.0

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-16

Lab Sample ID: 480-60169-4 Date Sampled: 05/19/2014 1605
Client Matrix: Water Date Received: 05/19/2014 1845

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184939	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07496.D
Dilution:	1.0			Initial Weight/Volume:	249.2 mL
Analysis Date:	05/31/2014 0447			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.51	10
Diethyl phthalate	0.70	J B	0.22	5.0
Dimethyl phthalate	ND		0.36	5.0
Fluoranthene	ND		0.40	5.0
Fluorene	ND		0.36	5.0
Hexachlorobenzene	ND	*	0.51	5.0
Hexachlorobutadiene	ND		0.68	5.0
Hexachlorocyclopentadiene	ND		0.59	5.0
Hexachloroethane	ND		0.59	5.0
Indeno(1,2,3-cd)pyrene	ND	*	0.47	5.0
Isophorone	ND		0.43	5.0
N-Nitrosodi-n-propylamine	ND		0.54	5.0
N-Nitrosodiphenylamine	ND		0.51	5.0
Naphthalene	0.82	J	0.76	5.0
Nitrobenzene	ND		0.29	5.0
Pentachlorophenol	ND		2.2	10
Phenanthrene	0.45	J	0.44	5.0
Phenol	ND		0.39	5.0
Pyrene	ND		0.34	5.0

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	84		52 - 132
2-Fluorobiphenyl	68		48 - 120
2-Fluorophenol	37		20 - 120
Nitrobenzene-d5	60		46 - 120
p-Terphenyl-d14	85		67 - 150
Phenol-d5	37		16 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-32

Lab Sample ID: 480-60169-5 Date Sampled: 05/19/2014 1740
Client Matrix: Water Date Received: 05/19/2014 1845

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184939	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07497.D
Dilution:	1.0			Initial Weight/Volume:	253 mL
Analysis Date:	05/31/2014 0511			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.65	4.9
bis (2-chloroisopropyl) ether	ND		0.51	4.9
2,4,5-Trichlorophenol	ND		0.47	4.9
2,4,6-Trichlorophenol	ND		0.60	4.9
2,4-Dichlorophenol	ND	*	0.50	4.9
2,4-Dimethylphenol	ND		0.49	4.9
2,4-Dinitrophenol	ND		2.2	9.9
2,4-Dinitrotoluene	ND		0.44	4.9
2,6-Dinitrotoluene	ND		0.40	4.9
2-Chloronaphthalene	ND		0.45	4.9
2-Chlorophenol	ND		0.52	4.9
2-Methylnaphthalene	ND		0.59	4.9
2-Methylphenol	ND		0.40	4.9
2-Nitroaniline	ND		0.42	9.9
2-Nitrophenol	ND		0.47	4.9
3,3'-Dichlorobenzidine	ND		0.40	4.9
3-Nitroaniline	ND	*	0.47	9.9
4,6-Dinitro-2-methylphenol	ND		2.2	9.9
4-Bromophenyl phenyl ether	ND		0.44	4.9
4-Chloro-3-methylphenol	ND		0.44	4.9
4-Chloroaniline	ND		0.58	4.9
4-Chlorophenyl phenyl ether	ND		0.35	4.9
4-Methylphenol	1.8	J * B	0.36	9.9
4-Nitroaniline	ND		0.25	9.9
4-Nitrophenol	ND		1.5	9.9
Acenaphthene	ND		0.41	4.9
Acenaphthylene	ND		0.38	4.9
Acetophenone	ND		0.53	4.9
Anthracene	ND		0.28	4.9
Atrazine	ND		0.45	4.9
Benzaldehyde	ND		0.26	4.9
Benzo(a)anthracene	ND		0.36	4.9
Benzo(a)pyrene	ND		0.46	4.9
Benzo(b)fluoranthene	ND		0.34	4.9
Benzo(g,h,i)perylene	ND		0.35	4.9
Benzo(k)fluoranthene	ND		0.72	4.9
Bis(2-chloroethoxy)methane	ND		0.35	4.9
Bis(2-chloroethyl)ether	ND		0.40	4.9
Bis(2-ethylhexyl) phthalate	ND		1.8	4.9
Butyl benzyl phthalate	ND		0.42	4.9
Caprolactam	ND		2.2	4.9
Carbazole	ND		0.30	4.9
Chrysene	ND		0.33	4.9
Di-n-butyl phthalate	0.53	J B	0.31	4.9
Di-n-octyl phthalate	ND		0.46	4.9
Dibenz(a,h)anthracene	ND		0.42	4.9

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-32

Lab Sample ID: 480-60169-5 Date Sampled: 05/19/2014 1740
Client Matrix: Water Date Received: 05/19/2014 1845

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184939	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07497.D
Dilution:	1.0			Initial Weight/Volume:	253 mL
Analysis Date:	05/31/2014 0511			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.50	9.9
Diethyl phthalate	0.47	J B	0.22	4.9
Dimethyl phthalate	ND		0.36	4.9
Fluoranthene	ND		0.40	4.9
Fluorene	ND		0.36	4.9
Hexachlorobenzene	ND	*	0.50	4.9
Hexachlorobutadiene	ND		0.67	4.9
Hexachlorocyclopentadiene	ND		0.58	4.9
Hexachloroethane	ND		0.58	4.9
Indeno(1,2,3-cd)pyrene	ND	*	0.46	4.9
Isophorone	ND		0.42	4.9
N-Nitrosodi-n-propylamine	ND		0.53	4.9
N-Nitrosodiphenylamine	ND		0.50	4.9
Naphthalene	ND		0.75	4.9
Nitrobenzene	ND		0.29	4.9
Pentachlorophenol	ND		2.2	9.9
Phenanthrene	0.96	J	0.43	4.9
Phenol	ND		0.39	4.9
Pyrene	ND		0.34	4.9

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	106		52 - 132
2-Fluorobiphenyl	76		48 - 120
2-Fluorophenol	48		20 - 120
Nitrobenzene-d5	69		46 - 120
p-Terphenyl-d14	108		67 - 150
Phenol-d5	42		16 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-37

Lab Sample ID: 480-60219-1 Date Sampled: 05/20/2014 1040
Client Matrix: Water Date Received: 05/20/2014 1630

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184750	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07479.D
Dilution:	1.0			Initial Weight/Volume:	262.1 mL
Analysis Date:	05/30/2014 1530			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.62	4.8
bis (2-chloroisopropyl) ether	ND		0.50	4.8
2,4,5-Trichlorophenol	ND		0.46	4.8
2,4,6-Trichlorophenol	ND		0.58	4.8
2,4-Dichlorophenol	ND	*	0.49	4.8
2,4-Dimethylphenol	ND		0.48	4.8
2,4-Dinitrophenol	ND		2.1	9.5
2,4-Dinitrotoluene	ND		0.43	4.8
2,6-Dinitrotoluene	ND		0.38	4.8
2-Chloronaphthalene	ND		0.44	4.8
2-Chlorophenol	ND		0.51	4.8
2-Methylnaphthalene	ND		0.57	4.8
2-Methylphenol	ND		0.38	4.8
2-Nitroaniline	ND		0.40	9.5
2-Nitrophenol	ND		0.46	4.8
3,3'-Dichlorobenzidine	ND		0.38	4.8
3-Nitroaniline	ND	*	0.46	9.5
4,6-Dinitro-2-methylphenol	ND		2.1	9.5
4-Bromophenyl phenyl ether	ND		0.43	4.8
4-Chloro-3-methylphenol	ND		0.43	4.8
4-Chloroaniline	ND		0.56	4.8
4-Chlorophenyl phenyl ether	ND		0.33	4.8
4-Methylphenol	1.8	J * B	0.34	9.5
4-Nitroaniline	ND		0.24	9.5
4-Nitrophenol	ND		1.4	9.5
Acenaphthene	ND		0.39	4.8
Acenaphthylene	ND		0.36	4.8
Acetophenone	ND		0.52	4.8
Anthracene	ND		0.27	4.8
Atrazine	ND		0.44	4.8
Benzaldehyde	0.32	J B	0.25	4.8
Benzo(a)anthracene	ND		0.34	4.8
Benzo(a)pyrene	ND		0.45	4.8
Benzo(b)fluoranthene	ND		0.32	4.8
Benzo(g,h,i)perylene	ND		0.33	4.8
Benzo(k)fluoranthene	ND		0.70	4.8
Bis(2-chloroethoxy)methane	ND		0.33	4.8
Bis(2-chloroethyl)ether	ND		0.38	4.8
Bis(2-ethylhexyl) phthalate	ND		1.7	4.8
Butyl benzyl phthalate	ND		0.40	4.8
Caprolactam	ND		2.1	4.8
Carbazole	ND		0.29	4.8
Chrysene	ND		0.31	4.8
Di-n-butyl phthalate	0.40	J B	0.30	4.8
Di-n-octyl phthalate	ND		0.45	4.8
Dibenz(a,h)anthracene	ND		0.40	4.8

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-37

Lab Sample ID: 480-60219-1 Date Sampled: 05/20/2014 1040
Client Matrix: Water Date Received: 05/20/2014 1630

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184750	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07479.D
Dilution:	1.0			Initial Weight/Volume:	262.1 mL
Analysis Date:	05/30/2014 1530			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.49	9.5
Diethyl phthalate	ND		0.21	4.8
Dimethyl phthalate	ND		0.34	4.8
Fluoranthene	ND		0.38	4.8
Fluorene	ND		0.34	4.8
Hexachlorobenzene	ND	*	0.49	4.8
Hexachlorobutadiene	ND		0.65	4.8
Hexachlorocyclopentadiene	ND		0.56	4.8
Hexachloroethane	ND		0.56	4.8
Indeno(1,2,3-cd)pyrene	ND	*	0.45	4.8
Isophorone	ND		0.41	4.8
N-Nitrosodi-n-propylamine	ND		0.52	4.8
N-Nitrosodiphenylamine	ND		0.49	4.8
Naphthalene	2.0	J	0.72	4.8
Nitrobenzene	ND		0.28	4.8
Pentachlorophenol	ND		2.1	9.5
Phenanthrene	0.85	J	0.42	4.8
Phenol	ND		0.37	4.8
Pyrene	ND		0.32	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	110		52 - 132
2-Fluorobiphenyl	97		48 - 120
2-Fluorophenol	63		20 - 120
Nitrobenzene-d5	86		46 - 120
p-Terphenyl-d14	102		67 - 150
Phenol-d5	53		16 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-33

Lab Sample ID: 480-60219-2 Date Sampled: 05/20/2014 1240
Client Matrix: Water Date Received: 05/20/2014 1630

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184750	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07480.D
Dilution:	1.0			Initial Weight/Volume:	265.2 mL
Analysis Date:	05/30/2014 1554			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.62	4.7
bis (2-chloroisopropyl) ether	ND		0.49	4.7
2,4,5-Trichlorophenol	ND		0.45	4.7
2,4,6-Trichlorophenol	ND		0.58	4.7
2,4-Dichlorophenol	ND	*	0.48	4.7
2,4-Dimethylphenol	ND		0.47	4.7
2,4-Dinitrophenol	ND		2.1	9.4
2,4-Dinitrotoluene	ND		0.42	4.7
2,6-Dinitrotoluene	ND		0.38	4.7
2-Chloronaphthalene	ND		0.43	4.7
2-Chlorophenol	ND		0.50	4.7
2-Methylnaphthalene	ND		0.57	4.7
2-Methylphenol	ND		0.38	4.7
2-Nitroaniline	ND		0.40	9.4
2-Nitrophenol	ND		0.45	4.7
3,3'-Dichlorobenzidine	ND		0.38	4.7
3-Nitroaniline	ND	*	0.45	9.4
4,6-Dinitro-2-methylphenol	ND		2.1	9.4
4-Bromophenyl phenyl ether	ND		0.42	4.7
4-Chloro-3-methylphenol	ND		0.42	4.7
4-Chloroaniline	ND		0.56	4.7
4-Chlorophenyl phenyl ether	ND		0.33	4.7
4-Methylphenol	1.4	J * B	0.34	9.4
4-Nitroaniline	ND		0.24	9.4
4-Nitrophenol	ND		1.4	9.4
Acenaphthene	ND		0.39	4.7
Acenaphthylene	ND		0.36	4.7
Acetophenone	ND		0.51	4.7
Anthracene	ND		0.26	4.7
Atrazine	ND		0.43	4.7
Benzaldehyde	ND		0.25	4.7
Benzo(a)anthracene	ND		0.34	4.7
Benzo(a)pyrene	ND		0.44	4.7
Benzo(b)fluoranthene	ND		0.32	4.7
Benzo(g,h,i)perylene	ND		0.33	4.7
Benzo(k)fluoranthene	ND		0.69	4.7
Bis(2-chloroethoxy)methane	ND		0.33	4.7
Bis(2-chloroethyl)ether	ND		0.38	4.7
Bis(2-ethylhexyl) phthalate	ND		1.7	4.7
Butyl benzyl phthalate	ND		0.40	4.7
Caprolactam	ND		2.1	4.7
Carbazole	ND		0.28	4.7
Chrysene	ND		0.31	4.7
Di-n-butyl phthalate	0.58	J B	0.29	4.7
Di-n-octyl phthalate	ND		0.44	4.7
Dibenz(a,h)anthracene	ND		0.40	4.7

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-33

Lab Sample ID: 480-60219-2 Date Sampled: 05/20/2014 1240
Client Matrix: Water Date Received: 05/20/2014 1630

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184750	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07480.D
Dilution:	1.0			Initial Weight/Volume:	265.2 mL
Analysis Date:	05/30/2014 1554			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.48	9.4
Diethyl phthalate	ND		0.21	4.7
Dimethyl phthalate	ND		0.34	4.7
Fluoranthene	ND		0.38	4.7
Fluorene	ND		0.34	4.7
Hexachlorobenzene	ND	*	0.48	4.7
Hexachlorobutadiene	ND		0.64	4.7
Hexachlorocyclopentadiene	ND		0.56	4.7
Hexachloroethane	ND		0.56	4.7
Indeno(1,2,3-cd)pyrene	ND	*	0.44	4.7
Isophorone	ND		0.41	4.7
N-Nitrosodi-n-propylamine	ND		0.51	4.7
N-Nitrosodiphenylamine	ND		0.48	4.7
Naphthalene	ND		0.72	4.7
Nitrobenzene	ND		0.27	4.7
Pentachlorophenol	ND		2.1	9.4
Phenanthrene	0.50	J	0.41	4.7
Phenol	ND		0.37	4.7
Pyrene	ND		0.32	4.7

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	108		52 - 132
2-Fluorobiphenyl	98		48 - 120
2-Fluorophenol	62		20 - 120
Nitrobenzene-d5	89		46 - 120
p-Terphenyl-d14	99		67 - 150
Phenol-d5	48		16 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-31

Lab Sample ID: 480-60219-3 Date Sampled: 05/20/2014 1440
Client Matrix: Water Date Received: 05/20/2014 1630

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184750	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07481.D
Dilution:	1.0			Initial Weight/Volume:	261.4 mL
Analysis Date:	05/30/2014 1618			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Biphenyl	ND		0.62	4.8
bis (2-chloroisopropyl) ether	ND		0.50	4.8
2,4,5-Trichlorophenol	ND		0.46	4.8
2,4,6-Trichlorophenol	ND		0.58	4.8
2,4-Dichlorophenol	ND	*	0.49	4.8
2,4-Dimethylphenol	ND		0.48	4.8
2,4-Dinitrophenol	ND		2.1	9.6
2,4-Dinitrotoluene	ND		0.43	4.8
2,6-Dinitrotoluene	ND		0.38	4.8
2-Chloronaphthalene	ND		0.44	4.8
2-Chlorophenol	ND		0.51	4.8
2-Methylnaphthalene	ND		0.57	4.8
2-Methylphenol	0.47	J	0.38	4.8
2-Nitroaniline	ND		0.40	9.6
2-Nitrophenol	ND		0.46	4.8
3,3'-Dichlorobenzidine	ND		0.38	4.8
3-Nitroaniline	ND	*	0.46	9.6
4,6-Dinitro-2-methylphenol	ND		2.1	9.6
4-Bromophenyl phenyl ether	ND		0.43	4.8
4-Chloro-3-methylphenol	ND		0.43	4.8
4-Chloroaniline	ND		0.56	4.8
4-Chlorophenyl phenyl ether	ND		0.33	4.8
4-Methylphenol	3.5	J * B	0.34	9.6
4-Nitroaniline	ND		0.24	9.6
4-Nitrophenol	ND		1.5	9.6
Acenaphthene	ND		0.39	4.8
Acenaphthylene	ND		0.36	4.8
Acetophenone	1.4	J	0.52	4.8
Anthracene	ND		0.27	4.8
Atrazine	ND		0.44	4.8
Benzaldehyde	0.44	J B	0.26	4.8
Benzo(a)anthracene	ND		0.34	4.8
Benzo(a)pyrene	ND		0.45	4.8
Benzo(b)fluoranthene	ND		0.33	4.8
Benzo(g,h,i)perylene	ND		0.33	4.8
Benzo(k)fluoranthene	ND		0.70	4.8
Bis(2-chloroethoxy)methane	ND		0.33	4.8
Bis(2-chloroethyl)ether	ND		0.38	4.8
Bis(2-ethylhexyl) phthalate	ND		1.7	4.8
Butyl benzyl phthalate	ND		0.40	4.8
Caprolactam	ND		2.1	4.8
Carbazole	ND		0.29	4.8
Chrysene	ND		0.32	4.8
Di-n-butyl phthalate	0.81	J B	0.30	4.8
Di-n-octyl phthalate	ND		0.45	4.8
Dibenz(a,h)anthracene	ND		0.40	4.8

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-31

Lab Sample ID: 480-60219-3 Date Sampled: 05/20/2014 1440
Client Matrix: Water Date Received: 05/20/2014 1630

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	480-184750	Instrument ID:	HP5973W
Prep Method:	3510C	Prep Batch:	480-183336	Lab File ID:	W07481.D
Dilution:	1.0			Initial Weight/Volume:	261.4 mL
Analysis Date:	05/30/2014 1618			Final Weight/Volume:	1 mL
Prep Date:	05/21/2014 1127			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
Dibenzofuran	ND		0.49	9.6
Diethyl phthalate	ND		0.21	4.8
Dimethyl phthalate	ND		0.34	4.8
Fluoranthene	ND		0.38	4.8
Fluorene	ND		0.34	4.8
Hexachlorobenzene	ND	*	0.49	4.8
Hexachlorobutadiene	ND		0.65	4.8
Hexachlorocyclopentadiene	ND		0.56	4.8
Hexachloroethane	ND		0.56	4.8
Indeno(1,2,3-cd)pyrene	ND	*	0.45	4.8
Isophorone	ND		0.41	4.8
N-Nitrosodi-n-propylamine	ND		0.52	4.8
N-Nitrosodiphenylamine	ND		0.49	4.8
Naphthalene	0.78	J	0.73	4.8
Nitrobenzene	ND		0.28	4.8
Pentachlorophenol	ND		2.1	9.6
Phenanthrene	0.75	J	0.42	4.8
Phenol	1.1	J	0.37	4.8
Pyrene	ND		0.33	4.8

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol	103		52 - 132
2-Fluorobiphenyl	95		48 - 120
2-Fluorophenol	64		20 - 120
Nitrobenzene-d5	87		46 - 120
p-Terphenyl-d14	102		67 - 150
Phenol-d5	58		16 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-35

Lab Sample ID: 480-60169-1 Date Sampled: 05/19/2014 1150
Client Matrix: Water Date Received: 05/19/2014 1845

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183531	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-183216	Initial Weight/Volume:	259.5 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/22/2014 1728			Injection Volume:	1 uL
Prep Date:	05/21/2014 0623			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.016	J	0.0089	0.048
4,4'-DDE	0.019	J	0.011	0.048
4,4'-DDT	0.025	J	0.011	0.048
Aldrin	ND		0.0078	0.048
alpha-BHC	0.013	J	0.0074	0.048
cis-Chlordane	ND		0.014	0.048
beta-BHC	ND		0.024	0.048
delta-BHC	ND		0.0096	0.048
Dieldrin	ND		0.0094	0.048
Endosulfan I	ND		0.011	0.048
Endosulfan II	ND		0.012	0.048
Endosulfan sulfate	ND		0.015	0.048
Endrin	ND		0.013	0.048
Endrin aldehyde	ND		0.016	0.048
Endrin ketone	ND		0.012	0.048
gamma-BHC (Lindane)	0.026	J	0.0077	0.048
trans-Chlordane	0.011	J	0.011	0.048
Heptachlor	ND		0.0082	0.048
Heptachlor epoxide	ND		0.0071	0.048
Methoxychlor	ND		0.014	0.048
Toxaphene	ND		0.12	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	48		20 - 120
Tetrachloro-m-xylene	80		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-35

Lab Sample ID: 480-60169-1 Date Sampled: 05/19/2014 1150
Client Matrix: Water Date Received: 05/19/2014 1845

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183531	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-183216	Initial Weight/Volume:	259.5 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/22/2014 1728			Injection Volume:	1 uL
Prep Date:	05/21/2014 0623			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	43		20 - 120
Tetrachloro-m-xylene	86		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183531	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-183216	Initial Weight/Volume:	239.2 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/22/2014 1746			Injection Volume:	1 uL
Prep Date:	05/21/2014 0623			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.022	J	0.0096	0.052
4,4'-DDE	0.019	J	0.012	0.052
4,4'-DDT	0.032	J	0.011	0.052
Aldrin	ND		0.0085	0.052
alpha-BHC	0.022	J	0.0080	0.052
cis-Chlordane	ND		0.015	0.052
beta-BHC	ND		0.026	0.052
delta-BHC	0.018	J B	0.010	0.052
Dieldrin	ND		0.010	0.052
Endosulfan I	ND		0.011	0.052
Endosulfan II	ND		0.013	0.052
Endosulfan sulfate	ND		0.016	0.052
Endrin	ND		0.014	0.052
Endrin aldehyde	0.022	J	0.017	0.052
Endrin ketone	ND		0.013	0.052
gamma-BHC (Lindane)	0.022	J	0.0084	0.052
trans-Chlordane	ND		0.011	0.052
Heptachlor	ND		0.0089	0.052
Heptachlor epoxide	ND		0.0077	0.052
Methoxychlor	ND		0.015	0.052
Toxaphene	ND		0.13	0.52

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	36		20 - 120
Tetrachloro-m-xylene	86		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183531	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-183216	Initial Weight/Volume:	239.2 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/22/2014 1746			Injection Volume:	1 uL
Prep Date:	05/21/2014 0623			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	36		20 - 120
Tetrachloro-m-xylene	79		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-34

Lab Sample ID: 480-60169-3 Date Sampled: 05/19/2014 1436
Client Matrix: Water Date Received: 05/19/2014 1845

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183531	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-183216	Initial Weight/Volume:	259.4 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/22/2014 1839			Injection Volume:	1 uL
Prep Date:	05/21/2014 0623			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.012	J	0.0089	0.048
4,4'-DDE	ND		0.011	0.048
4,4'-DDT	ND		0.011	0.048
Aldrin	0.033	J	0.0078	0.048
alpha-BHC	ND		0.0074	0.048
cis-Chlordane	ND		0.014	0.048
beta-BHC	ND		0.024	0.048
delta-BHC	0.015	J B	0.0096	0.048
Dieldrin	ND		0.0094	0.048
Endosulfan I	ND		0.011	0.048
Endosulfan II	ND		0.012	0.048
Endosulfan sulfate	ND		0.015	0.048
Endrin	ND		0.013	0.048
Endrin aldehyde	ND		0.016	0.048
Endrin ketone	ND		0.012	0.048
gamma-BHC (Lindane)	0.016	J	0.0077	0.048
trans-Chlordane	ND		0.011	0.048
Heptachlor	ND		0.0082	0.048
Heptachlor epoxide	ND		0.0071	0.048
Methoxychlor	0.051		0.014	0.048
Toxaphene	ND		0.12	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	66		20 - 120
Tetrachloro-m-xylene	76		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-34

Lab Sample ID: 480-60169-3 Date Sampled: 05/19/2014 1436
Client Matrix: Water Date Received: 05/19/2014 1845

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183531	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-183216	Initial Weight/Volume:	259.4 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/22/2014 1839			Injection Volume:	1 uL
Prep Date:	05/21/2014 0623			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	62		20 - 120
Tetrachloro-m-xylene	89		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-16

Lab Sample ID: 480-60169-4 Date Sampled: 05/19/2014 1605
Client Matrix: Water Date Received: 05/19/2014 1845

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183749	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-183216	Initial Weight/Volume:	255.5 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	05/23/2014 1620			Injection Volume:	1 uL
Prep Date:	05/21/2014 0623			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.045	0.24
4,4'-DDE	ND		0.057	0.24
4,4'-DDT	ND		0.054	0.24
Aldrin	ND		0.040	0.24
alpha-BHC	ND		0.038	0.24
cis-Chlordane	ND		0.072	0.24
beta-BHC	ND		0.12	0.24
delta-BHC	ND		0.049	0.24
Dieldrin	ND		0.048	0.24
Endosulfan I	ND		0.054	0.24
Endosulfan II	ND		0.059	0.24
Endosulfan sulfate	ND		0.077	0.24
Endrin	ND		0.068	0.24
Endrin aldehyde	ND		0.080	0.24
Endrin ketone	ND		0.059	0.24
gamma-BHC (Lindane)	ND		0.039	0.24
trans-Chlordane	ND		0.054	0.24
Heptachlor	ND		0.042	0.24
Heptachlor epoxide	ND		0.036	0.24
Methoxychlor	ND		0.069	0.24
Toxaphene	ND		0.59	2.4

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	21		20 - 120
Tetrachloro-m-xylene	93		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-16

Lab Sample ID: 480-60169-4 Date Sampled: 05/19/2014 1605
Client Matrix: Water Date Received: 05/19/2014 1845

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183749	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-183216	Initial Weight/Volume:	255.5 mL
Dilution:	5.0			Final Weight/Volume:	2 mL
Analysis Date:	05/23/2014 1620			Injection Volume:	1 uL
Prep Date:	05/21/2014 0623			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	32		20 - 120
Tetrachloro-m-xylene	82		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-32

Lab Sample ID: 480-60169-5 Date Sampled: 05/19/2014 1740
Client Matrix: Water Date Received: 05/19/2014 1845

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183531	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-183216	Initial Weight/Volume:	253.2 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/22/2014 1915			Injection Volume:	1 uL
Prep Date:	05/21/2014 0623			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.039	J	0.0091	0.049
4,4'-DDE	ND		0.011	0.049
4,4'-DDT	0.053		0.011	0.049
Aldrin	0.011	J	0.0080	0.049
alpha-BHC	ND		0.0076	0.049
cis-Chlordane	ND		0.015	0.049
beta-BHC	ND		0.024	0.049
delta-BHC	0.069	B	0.0099	0.049
Dieldrin	0.027	J	0.0097	0.049
Endosulfan I	0.028	J	0.011	0.049
Endosulfan II	ND		0.012	0.049
Endosulfan sulfate	ND		0.016	0.049
Endrin	0.070		0.014	0.049
Endrin aldehyde	0.038	J	0.016	0.049
Endrin ketone	0.017	J	0.012	0.049
gamma-BHC (Lindane)	ND		0.0079	0.049
trans-Chlordane	ND		0.011	0.049
Heptachlor	0.021	J	0.0084	0.049
Heptachlor epoxide	ND		0.0073	0.049
Methoxychlor	0.094		0.014	0.049
Toxaphene	ND		0.12	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	58		20 - 120
Tetrachloro-m-xylene	72		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-32

Lab Sample ID: 480-60169-5 Date Sampled: 05/19/2014 1740
Client Matrix: Water Date Received: 05/19/2014 1845

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183531	Instrument ID:	HP6890-25
Prep Method:	3510C	Prep Batch:	480-183216	Initial Weight/Volume:	253.2 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/22/2014 1915			Injection Volume:	1 uL
Prep Date:	05/21/2014 0623			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	50		20 - 120
Tetrachloro-m-xylene	103		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-37

Lab Sample ID: 480-60219-1 Date Sampled: 05/20/2014 1040
Client Matrix: Water Date Received: 05/20/2014 1630

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183751	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-183479	Initial Weight/Volume:	269.7 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/23/2014 1043			Injection Volume:	1 uL
Prep Date:	05/22/2014 0642			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	0.032	J B	0.0085	0.046
4,4'-DDE	0.015	J	0.011	0.046
4,4'-DDT	0.051		0.010	0.046
Aldrin	ND		0.0075	0.046
alpha-BHC	0.029	J B	0.0071	0.046
cis-Chlordane	ND		0.014	0.046
beta-BHC	ND		0.023	0.046
delta-BHC	ND		0.0093	0.046
Dieldrin	0.0094	J	0.0091	0.046
Endosulfan I	ND		0.010	0.046
Endosulfan II	0.011	J	0.011	0.046
Endosulfan sulfate	ND		0.015	0.046
Endrin	0.019	J	0.013	0.046
Endrin aldehyde	0.042	J	0.015	0.046
Endrin ketone	ND		0.011	0.046
gamma-BHC (Lindane)	ND		0.0074	0.046
trans-Chlordane	0.020	J	0.010	0.046
Heptachlor	ND		0.0079	0.046
Heptachlor epoxide	0.018	J	0.0069	0.046
Methoxychlor	0.053		0.013	0.046
Toxaphene	ND		0.11	0.46

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	34		20 - 120
Tetrachloro-m-xylene	71		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-37

Lab Sample ID: 480-60219-1 Date Sampled: 05/20/2014 1040
Client Matrix: Water Date Received: 05/20/2014 1630

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183751	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-183479	Initial Weight/Volume:	269.7 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/23/2014 1043			Injection Volume:	1 uL
Prep Date:	05/22/2014 0642			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	41		20 - 120
Tetrachloro-m-xylene	76		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-33

Lab Sample ID: 480-60219-2 Date Sampled: 05/20/2014 1240
Client Matrix: Water Date Received: 05/20/2014 1630

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183751	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-183479	Initial Weight/Volume:	260.1 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/23/2014 1100			Injection Volume:	1 uL
Prep Date:	05/22/2014 0642			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0088	0.048
4,4'-DDE	0.011	J	0.011	0.048
4,4'-DDT	0.029	J	0.011	0.048
Aldrin	ND		0.0078	0.048
alpha-BHC	0.017	J B	0.0074	0.048
cis-Chlordane	ND		0.014	0.048
beta-BHC	ND		0.024	0.048
delta-BHC	ND		0.0096	0.048
Dieldrin	ND		0.0094	0.048
Endosulfan I	ND		0.011	0.048
Endosulfan II	ND		0.012	0.048
Endosulfan sulfate	ND		0.015	0.048
Endrin	ND		0.013	0.048
Endrin aldehyde	0.024	J	0.016	0.048
Endrin ketone	ND		0.012	0.048
gamma-BHC (Lindane)	ND		0.0077	0.048
trans-Chlordane	0.012	J	0.011	0.048
Heptachlor	ND		0.0082	0.048
Heptachlor epoxide	ND		0.0071	0.048
Methoxychlor	ND		0.014	0.048
Toxaphene	ND		0.12	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	41		20 - 120
Tetrachloro-m-xylene	68		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-33

Lab Sample ID: 480-60219-2 Date Sampled: 05/20/2014 1240
Client Matrix: Water Date Received: 05/20/2014 1630

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183751	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-183479	Initial Weight/Volume:	260.1 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/23/2014 1100			Injection Volume:	1 uL
Prep Date:	05/22/2014 0642			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	61		20 - 120
Tetrachloro-m-xylene	92		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-31

Lab Sample ID: 480-60219-3 Date Sampled: 05/20/2014 1440
Client Matrix: Water Date Received: 05/20/2014 1630

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183751	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-183479	Initial Weight/Volume:	254.9 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/23/2014 1118			Injection Volume:	1 uL
Prep Date:	05/22/2014 0642			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
4,4'-DDD	ND		0.0090	0.049
4,4'-DDE	0.033	J	0.011	0.049
4,4'-DDT	0.056		0.011	0.049
Aldrin	ND		0.0079	0.049
alpha-BHC	0.031	J B	0.0076	0.049
cis-Chlordane	0.030	J	0.015	0.049
beta-BHC	ND		0.024	0.049
delta-BHC	0.015	J	0.0098	0.049
Dieldrin	0.013	J	0.0096	0.049
Endosulfan I	0.024	J	0.011	0.049
Endosulfan II	0.014	J	0.012	0.049
Endosulfan sulfate	ND		0.015	0.049
Endrin	0.015	J	0.014	0.049
Endrin aldehyde	ND		0.016	0.049
Endrin ketone	0.016	J	0.012	0.049
gamma-BHC (Lindane)	0.014	J	0.0078	0.049
trans-Chlordane	0.045	J	0.011	0.049
Heptachlor	0.014	J	0.0083	0.049
Heptachlor epoxide	ND		0.0073	0.049
Methoxychlor	0.044	J	0.014	0.049
Toxaphene	ND		0.12	0.49

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	27		20 - 120
Tetrachloro-m-xylene	74		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-31

Lab Sample ID: 480-60219-3 Date Sampled: 05/20/2014 1440
Client Matrix: Water Date Received: 05/20/2014 1630

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	480-183751	Instrument ID:	HP6890-5
Prep Method:	3510C	Prep Batch:	480-183479	Initial Weight/Volume:	254.9 mL
Dilution:	1.0			Final Weight/Volume:	2 mL
Analysis Date:	05/23/2014 1118			Injection Volume:	1 uL
Prep Date:	05/22/2014 0642			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	59		20 - 120
Tetrachloro-m-xylene	79		36 - 120

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-35

Lab Sample ID: 480-60169-1 Date Sampled: 05/19/2014 1150
Client Matrix: Water Date Received: 05/19/2014 1845

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1043.4 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 0920			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.48
Silvex (2,4,5-TP)	ND		0.35	0.48
2,4-D	ND		0.38	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	93		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-35

Lab Sample ID: 480-60169-1 Date Sampled: 05/19/2014 1150
Client Matrix: Water Date Received: 05/19/2014 1845

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1043.4 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 0920			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	91		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1051.5 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 0950			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48
2,4-D	ND		0.38	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	124		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1051.5 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 0950			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	81		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-34

Lab Sample ID: 480-60169-3 Date Sampled: 05/19/2014 1436
Client Matrix: Water Date Received: 05/19/2014 1845

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	989.8 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1020			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.15	0.51
Silvex (2,4,5-TP)	ND		0.36	0.51
2,4-D	ND		0.40	0.51

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	133		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-34

Lab Sample ID: 480-60169-3 Date Sampled: 05/19/2014 1436
Client Matrix: Water Date Received: 05/19/2014 1845

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	989.8 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1020			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	81		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-16

Lab Sample ID: 480-60169-4 Date Sampled: 05/19/2014 1605
Client Matrix: Water Date Received: 05/19/2014 1845

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1005.3 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1119			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.15	0.50
Silvex (2,4,5-TP)	ND		0.36	0.50
2,4-D	ND		0.40	0.50

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	101		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-16

Lab Sample ID: 480-60169-4 Date Sampled: 05/19/2014 1605
Client Matrix: Water Date Received: 05/19/2014 1845

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1005.3 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1119			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	107		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-32

Lab Sample ID: 480-60169-5 Date Sampled: 05/19/2014 1740
Client Matrix: Water Date Received: 05/19/2014 1845

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1050.7 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1148			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48
2,4-D	ND		0.38	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	109		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-32

Lab Sample ID: 480-60169-5 Date Sampled: 05/19/2014 1740
Client Matrix: Water Date Received: 05/19/2014 1845

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1050.7 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1148			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	70		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-37

Lab Sample ID: 480-60219-1 Date Sampled: 05/20/2014 1040
Client Matrix: Water Date Received: 05/20/2014 1630

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1051.4 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1218			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.48
Silvex (2,4,5-TP)	ND		0.34	0.48
2,4-D	ND		0.38	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	104		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-37

Lab Sample ID: 480-60219-1 Date Sampled: 05/20/2014 1040
Client Matrix: Water Date Received: 05/20/2014 1630

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1051.4 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1218			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	106		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-33

Lab Sample ID: 480-60219-2 Date Sampled: 05/20/2014 1240
Client Matrix: Water Date Received: 05/20/2014 1630

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1040.8 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1247			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.48
Silvex (2,4,5-TP)	ND		0.35	0.48
2,4-D	ND		0.38	0.48

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	116		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-33

Lab Sample ID: 480-60219-2 Date Sampled: 05/20/2014 1240
Client Matrix: Water Date Received: 05/20/2014 1630

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1040.8 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1247			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	84		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-31

Lab Sample ID: 480-60219-3 Date Sampled: 05/20/2014 1440
Client Matrix: Water Date Received: 05/20/2014 1630

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1053.8 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1317			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	PRIMARY

Analyte	Result (ug/L)	Qualifier	MDL	RL
2,4,5-T	ND		0.14	0.47
Silvex (2,4,5-TP)	ND		0.34	0.47
2,4-D	ND		0.38	0.47

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	106		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-31

Lab Sample ID: 480-60219-3 Date Sampled: 05/20/2014 1440
Client Matrix: Water Date Received: 05/20/2014 1630

8151A Herbicidas (GC)

Analysis Method:	8151A	Analysis Batch:	480-184417	Instrument ID:	HP5890-13
Prep Method:	8151A	Prep Batch:	480-183481	Initial Weight/Volume:	1053.8 mL
Dilution:	1.0			Final Weight/Volume:	10 mL
Analysis Date:	05/29/2014 1317			Injection Volume:	1 uL
Prep Date:	05/22/2014 0655			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4-Dichlorophenylacetic acid	81		40 - 135

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-35

Lab Sample ID: 480-60169-1 Date Sampled: 05/19/2014 1150
Client Matrix: Water Date Received: 05/19/2014 1845

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-183499	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-183225	Lab File ID:	I2052114A-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/21/2014 2159			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0095	J	0.0056	0.015
Barium	0.54		0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	ND		0.0010	0.0040
Lead	ND		0.0030	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-183644	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-183302	Lab File ID:	H05214W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/21/2014 1603			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0940				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-36

Lab Sample ID: 480-60169-2 Date Sampled: 05/19/2014 1305
Client Matrix: Water Date Received: 05/19/2014 1845

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-183499	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-183225	Lab File ID:	I2052114A-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/21/2014 2202			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0075	J	0.0056	0.015
Barium	0.23		0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	0.0011	J	0.0010	0.0040
Lead	0.0034	J	0.0030	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-183644	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-183302	Lab File ID:	H05214W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/21/2014 1605			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0940				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-34

Lab Sample ID: 480-60169-3 Date Sampled: 05/19/2014 1436
Client Matrix: Water Date Received: 05/19/2014 1845

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-183499	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-183225	Lab File ID:	I2052114A-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/21/2014 2212			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0069	J	0.0056	0.015
Barium	0.089		0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	ND		0.0010	0.0040
Lead	ND		0.0030	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-183644	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-183302	Lab File ID:	H05214W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/21/2014 1610			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0940				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-16

Lab Sample ID: 480-60169-4 Date Sampled: 05/19/2014 1605
Client Matrix: Water Date Received: 05/19/2014 1845

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-183499	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-183225	Lab File ID:	I2052114A-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/21/2014 2222			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	ND		0.0056	0.015
Barium	0.22	^	0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	0.0013	J	0.0010	0.0040
Lead	0.0059	J	0.0030	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-183644	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-183302	Lab File ID:	H05214W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/21/2014 1612			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0940				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND		0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-32

Lab Sample ID: 480-60169-5 Date Sampled: 05/19/2014 1740
Client Matrix: Water Date Received: 05/19/2014 1845

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-183499	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-183225	Lab File ID:	I2052114A-6.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/21/2014 2224			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0083	J	0.0056	0.015
Barium	0.073	^	0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	0.0012	J	0.0010	0.0040
Lead	ND		0.0030	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-183644	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-183302	Lab File ID:	H05214W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/21/2014 1613			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0940				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	0.00014	J	0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-37

Lab Sample ID: 480-60219-1 Date Sampled: 05/20/2014 1040
Client Matrix: Water Date Received: 05/20/2014 1630

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-183497	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-183227	Lab File ID:	I2052114A-4.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/21/2014 1913			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0068	J	0.0056	0.015
Barium	0.27		0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	ND		0.0010	0.0040
Lead	0.0049	J	0.0030	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-183769	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-183555	Lab File ID:	H05224W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/22/2014 1626			Final Weight/Volume:	50 mL
Prep Date:	05/22/2014 1200				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND	^	0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-33

Lab Sample ID: 480-60219-2 Date Sampled: 05/20/2014 1240
Client Matrix: Water Date Received: 05/20/2014 1630

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-183497	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-183227	Lab File ID:	I2052114A-4.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/21/2014 1916			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	ND		0.0056	0.015
Barium	0.045		0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	ND		0.0010	0.0040
Lead	ND		0.0030	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-183769	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-183555	Lab File ID:	H05224W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/22/2014 1628			Final Weight/Volume:	50 mL
Prep Date:	05/22/2014 1200				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND	^	0.00012	0.00020

Client: New York State D.E.C. Job Number: 480-60169-1

Client Sample ID: OW-31

Lab Sample ID: 480-60219-3 Date Sampled: 05/20/2014 1440
Client Matrix: Water Date Received: 05/20/2014 1630

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	480-183497	Instrument ID:	ICAP2
Prep Method:	3005A	Prep Batch:	480-183227	Lab File ID:	I2052114A-4.asc
Dilution:	1.0			Initial Weight/Volume:	50 mL
Analysis Date:	05/21/2014 1918			Final Weight/Volume:	50 mL
Prep Date:	05/21/2014 0915				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Arsenic	0.0079	J	0.0056	0.015
Barium	0.042		0.00070	0.0020
Cadmium	ND		0.00050	0.0020
Chromium	ND		0.0010	0.0040
Lead	ND		0.0030	0.010
Selenium	ND		0.0087	0.025
Silver	ND		0.0017	0.0060

7470A Mercury (CVAA)

Analysis Method:	7470A	Analysis Batch:	480-183769	Instrument ID:	LEEMAN2
Prep Method:	7470A	Prep Batch:	480-183555	Lab File ID:	H05224W1.PRN
Dilution:	1.0			Initial Weight/Volume:	30 mL
Analysis Date:	05/22/2014 1635			Final Weight/Volume:	50 mL
Prep Date:	05/22/2014 1200				

Analyte	Result (mg/L)	Qualifier	MDL	RL
Mercury	ND	^	0.00012	0.00020

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Lab Sample ID: CCVIS 480-183315/3 Calibration Date: 05/21/2014 11:22

Instrument ID: HP5973P Calib Start Date: 05/17/2014 13:57

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/17/2014 16:26

Lab File ID: P7479.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	3.335	4.348	0.1000	32.6	25.0	30.4*	20.0
Chloromethane	Ave	2.587	3.142	0.1000	30.4	25.0	21.5*	20.0
Vinyl chloride	Ave	2.270	2.812	0.1000	31.0	25.0	23.9*	20.0
Butadiene	Ave	2.065	2.558		31.0	25.0	23.9*	20.0
Bromomethane	Ave	0.7664	1.005	0.1000	32.8	25.0	31.1*	20.0
Chloroethane	Ave	0.6733	0.9248	0.1000	34.3	25.0	37.4*	20.0
Dichlorofluoromethane	Ave	4.502	5.559		30.9	25.0	23.5*	20.0
Trichlorofluoromethane	Ave	3.861	4.901	0.1000	31.7	25.0	26.9*	20.0
Ethyl ether	Ave	2.424	2.753		28.4	25.0	13.6	20.0
Acrolein	Ave	0.4422	0.5134		145	125	16.1	20.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	2.793	3.254	0.1000	29.1	25.0	16.5	20.0
1,1-Dichloroethene	Ave	2.560	2.933	0.1000	28.6	25.0	14.6	20.0
Acetone	Ave	1.125	1.249	0.1000	139	125	11.0	20.0
Iodomethane	Ave	5.067	5.646		27.9	25.0	11.4	20.0
Carbon disulfide	Ave	8.860	10.34	0.1000	29.2	25.0	16.7	20.0
Methyl acetate	Ave	2.630	2.992	0.1000	142	125	13.8	20.0
Allyl chloride	Ave	4.175	4.883		29.2	25.0	17.0	20.0
Methylene Chloride	Ave	3.082	3.378	0.1000	27.4	25.0	9.6	20.0
2-Methyl-2-propanol	Lin		0.2607		198	250	-20.6*	20.0
Methyl tert-butyl ether	Ave	8.040	8.148	0.1000	25.3	25.0	1.4	20.0
trans-1,2-Dichloroethene	Ave	2.732	3.113	0.1000	28.5	25.0	13.9	20.0
Acrylonitrile	Ave	1.340	1.548		289	250	15.5	20.0
Hexane	Ave	3.667	4.133		28.2	25.0	12.7	20.0
Vinyl acetate	Lin1		5.682		53.5	50.0	7.1	20.0
1,1-Dichloroethane	Ave	4.984	5.568	0.2000	27.9	25.0	11.7	20.0
2-Butanone (MEK)	Ave	1.784	2.033	0.1000	143	125	14.0	20.0
2,2-Dichloropropane	Ave	3.090	2.163		17.5	25.0	-30.0*	20.0
cis-1,2-Dichloroethene	Ave	3.023	3.331	0.1000	27.5	25.0	10.2	20.0
Chlorobromomethane	Ave	1.516	1.672		27.6	25.0	10.3	20.0
Tetrahydrofuran	Ave	1.178	1.277		54.2	50.0	8.4	20.0
Chloroform	Ave	4.826	5.336	0.2000	27.6	25.0	10.6	20.0
1,1,1-Trichloroethane	Ave	3.316	3.672	0.1000	27.7	25.0	10.7	20.0
Cyclohexane	Ave	4.837	5.499	0.1000	28.4	25.0	13.7	20.0
1,1-Dichloropropene	Ave	3.381	3.757		27.8	25.0	11.1	20.0
Carbon tetrachloride	Lin		2.808	0.1000	25.4	25.0	1.7	20.0
Isobutyl alcohol	Lin		0.1457		576	625	-7.8	20.0
Benzene	Ave	10.75	11.63	0.5000	27.0	25.0	8.2	20.0
1,2-Dichloroethane	Ave	3.985	4.370	0.1000	27.4	25.0	9.7	20.0
n-Heptane	Ave	3.732	4.330		29.0	25.0	16.0	20.0
Trichloroethene	Ave	2.784	2.988	0.2000	26.8	25.0	7.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Lab Sample ID: CCVIS 480-183315/3 Calibration Date: 05/21/2014 11:22

Instrument ID: HP5973P Calib Start Date: 05/17/2014 13:57

GC Column: ZB-624 (60) ID: 0.25(mm) Calib End Date: 05/17/2014 16:26

Lab File ID: P7479.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	4.458	4.903	0.1000	27.5	25.0	10.0	20.0
1,2-Dichloropropane	Ave	2.782	3.035	0.1000	27.3	25.0	9.1	20.0
1,4-Dioxane	Ave	0.0127	0.0130		512	500	2.4	20.0
Dibromomethane	Ave	1.972	2.174	0.1000	27.6	25.0	10.3	20.0
Bromodichloromethane	Ave	2.924	3.740	0.2000	32.0	25.0	27.9*	20.0
2-Chloroethyl vinyl ether	Ave	1.989	2.200		27.7	25.0	10.6	20.0
cis-1,3-Dichloropropene	Ave	3.732	4.040	0.2000	27.1	25.0	8.3	20.0
4-Methyl-2-pentanone (MIBK)	Ave	1.113	1.143	0.1000	128	125	2.8	20.0
Toluene	Ave	2.049	1.983	0.4000	24.2	25.0	-3.2	20.0
trans-1,3-Dichloropropene	Lin1		0.8987	0.1000	20.2	25.0	-19.4	20.0
Ethyl methacrylate	Lin1		1.072		23.5	25.0	-5.9	20.0
1,1,2-Trichloroethane	Ave	0.7155	0.6969	0.1000	24.4	25.0	-2.6	20.0
Tetrachloroethene	Ave	0.9061	0.8529	0.2000	23.5	25.0	-5.9	20.0
1,3-Dichloropropane	Ave	1.360	1.339		24.6	25.0	-1.5	20.0
2-Hexanone	Ave	0.8047	0.8355	0.1000	130	125	3.8	20.0
Dibromochloromethane	Lin		0.7662	0.1000	25.0	25.0	-0.2	20.0
1,2-Dibromoethane	Ave	0.8538	0.8683		25.4	25.0	1.7	20.0
Chlorobenzene	Ave	2.350	2.258	0.5000	24.0	25.0	-3.9	20.0
Ethylbenzene	Ave	3.759	3.713	0.1000	24.7	25.0	-1.2	20.0
1,1,1,2-Tetrachloroethane	Lin1		0.6589		23.0	25.0	-7.9	20.0
m,p-Xylene	Ave	1.515	1.449	0.1000	23.9	25.0	-4.3	20.0
o-Xylene	Ave	1.474	1.438	0.3000	24.4	25.0	-2.5	20.0
Styrene	Ave	2.591	2.537	0.3000	24.5	25.0	-2.1	20.0
Bromoform	Lin		0.5071	0.1000	24.5	25.0	-2.0	20.0
Isopropylbenzene	Ave	3.165	3.061	0.1000	24.2	25.0	-3.3	20.0
1,1,2,2-Tetrachloroethane	Ave	1.050	1.076	0.3000	25.6	25.0	2.5	20.0
Bromobenzene	Ave	0.8965	0.8705		24.3	25.0	-2.9	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2752	0.2823		25.6	25.0	2.6	20.0
1,2,3-Trichloropropane	Ave	0.2849	0.2807		24.6	25.0	-1.5	20.0
N-Propylbenzene	Ave	3.854	3.834		24.9	25.0	-0.5	20.0
2-Chlorotoluene	Ave	0.8220	0.7930		24.1	25.0	-3.5	20.0
1,3,5-Trimethylbenzene	Ave	2.692	2.640		24.5	25.0	-1.9	20.0
4-Chlorotoluene	Ave	0.8667	0.8289		23.9	25.0	-4.4	20.0
tert-Butylbenzene	Ave	0.5573	0.5308		23.8	25.0	-4.8	20.0
1,2,4-Trimethylbenzene	Ave	2.821	2.755		24.4	25.0	-2.3	20.0
sec-Butylbenzene	Ave	3.416	3.314		24.3	25.0	-3.0	20.0
4-Isopropyltoluene	Ave	2.875	2.813		24.5	25.0	-2.2	20.0
1,3-Dichlorobenzene	Ave	1.725	1.632	0.6000	23.7	25.0	-5.4	20.0
1,4-Dichlorobenzene	Ave	1.760	1.688	0.5000	24.0	25.0	-4.1	20.0
n-Butylbenzene	Ave	2.746	2.763		25.2	25.0	0.6	20.0
1,2-Dichlorobenzene	Ave	1.699	1.604	0.4000	23.6	25.0	-5.6	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Lab Sample ID: CCVIS 480-184443/3 Calibration Date: 05/28/2014 15:58

Instrument ID: HP5973W Calib Start Date: 05/21/2014 15:32

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/21/2014 20:46

Lab File ID: W07388.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrotoluene	Ave	0.2865	0.2908	0.0100	5080	5000	1.5	20.0
Acenaphthylene	Ave	1.711	1.739	0.9000	5080	5000	1.6	20.0
4-Nitroaniline	Lin1		0.3082	0.0100	4840	5000	-3.1	20.0
Acenaphthene	Ave	1.115	1.106	0.0100	4960	5000	-0.8	20.0
2,4-Dinitrophenol	Lin1		0.1736	0.0100	9200	10000	-8.0	20.0
Dibenzofuran	Ave	1.563	1.497	0.8000	4790	5000	-4.2	20.0
2,6-Dinitrotoluene	Ave	0.3632	0.3577	0.2000	4920	5000	-1.5	25.0
4-Nitrophenol	Lin		0.1387	0.0100	11200	10000	12.2	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2922	0.2983	0.0100	5100	5000	2.1	40.0
Diethyl phthalate	Ave	1.143	1.127	0.0100	4930	5000	-1.4	20.0
Fluorene	Ave	1.233	1.194	0.9000	4840	5000	-3.1	20.0
4-Chlorophenyl phenyl ether	Ave	0.5785	0.5801	0.4000	5010	5000	0.3	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1462	0.1555	0.0100	10600	10000	6.4	20.0
1,2-Diphenylhydrazine	Ave	1.285	1.262	0.0100	4910	5000	-1.8	25.0
trans-Azobenzene	Ave	0.9033	0.9079	0.0100	5030	5000	0.5	40.0
4-Bromophenyl phenyl ether	Ave	0.2208	0.2197	0.1000	4980	5000	-0.5	20.0
Hexachlorobenzene	Ave	0.2578	0.2577	0.1000	5000	5000	-0.0	20.0
Pentachlorophenol	Lin1		0.1301	0.0500	9400	10000	-6.0	20.0
Hexadecane	None			0.0100		5000		
Phenanthrene	Ave	1.101	1.083	0.7000	4910	5000	-1.7	20.0
Anthracene	Ave	1.122	1.085	0.7000	4840	5000	-3.3	20.0
Carbazole	Ave	0.9007	0.8892	0.0100	4940	5000	-1.3	20.0
Di-n-butyl phthalate	Ave	1.187	1.154	0.0100	4860	5000	-2.8	20.0
Fluoranthene	Ave	1.079	1.028	0.6000	4760	5000	-4.8	20.0
Pyrene	Ave	1.230	1.255	0.6000	5100	5000	2.0	20.0
Butyl benzyl phthalate	Ave	0.4985	0.5493	0.0100	5510	5000	10.2	20.0
Benzo(a)anthracene	Ave	0.9780	1.114	0.8000	5700	5000	13.9	20.0
Chrysene	Ave	1.056	1.013	0.7000	4790	5000	-4.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7209	0.7978	0.0100	5530	5000	10.7	20.0
Di-n-octyl phthalate	Lin1		1.334	0.0100	5400	5000	8.1	20.0
Benzo(b)fluoranthene	Qua		1.074	0.7000	5370	5000	7.4	20.0
Benzo(k)fluoranthene	Ave	1.229	1.224	0.7000	4980	5000	-0.4	20.0
Benzo(a)pyrene	Lin1		1.053	0.7000	5070	5000	1.5	20.0
Benzo(g,h,i)perylene	Qua		1.117	0.5000	6680	5000	33.6*	20.0
Dibenz(a,h)anthracene	Lin1		1.127	0.4000	5880	5000	17.6	20.0
Indeno(1,2,3-cd)pyrene	Ave	0.8702	1.180	0.5000	6780	5000	35.6*	20.0
2-Fluorophenol	Ave	1.297	1.384	0.0100	5340	5000	6.7	25.0
Phenol-d5	Ave	1.474	1.409	0.0100	4780	5000	-4.4	25.0
Nitrobenzene-d5	Ave	0.3748	0.3909	0.0100	5220	5000	4.3	25.0
2-Fluorobiphenyl	Ave	1.226	1.298	0.0100	5290	5000	5.9	25.0
2,4,6-Tribromophenol	Ave	0.1202	0.1323	0.0100	5510	5000	10.1	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Lab Sample ID: CCV 480-184443/5 Calibration Date: 05/28/2014 16:46

Instrument ID: HP5973W Calib Start Date: 05/23/2014 15:12

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/23/2014 17:36

Lab File ID: W07390.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.024	1.194	0.0100	5830	5000	16.6	40.0
Benzoic acid	Lin1		0.2983	0.0100	13500	20000	-32.6*	25.0
Caprolactam	Lin1		0.0934	0.0100	2920	5000	-41.7*	40.0
N-Nitrosodiphenylamine	Lin1		0.5445	0.0100	4870	5000	-2.7	20.0
Atrazine	Lin1		0.2740	0.0100	5270	5000	5.3	25.0
3,3'-Dichlorobenzidine	Lin1		0.3504	0.0100	6290	5000	25.7*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Lab Sample ID: CCVIS 480-184750/3 Calibration Date: 05/30/2014 04:54

Instrument ID: HP5973W Calib Start Date: 05/21/2014 15:32

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/21/2014 20:46

Lab File ID: W07453.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrotoluene	Ave	0.2865	0.2985	0.0100	5210	5000	4.2	20.0
Acenaphthylene	Ave	1.711	1.748	0.9000	5110	5000	2.2	20.0
4-Nitroaniline	Lin1		0.3186	0.0100	5000	5000	0.0	20.0
Acenaphthene	Ave	1.115	1.118	0.0100	5010	5000	0.2	20.0
2,4-Dinitrophenol	Lin1		0.1754	0.0100	9290	10000	-7.1	20.0
Dibenzofuran	Ave	1.563	1.533	0.8000	4910	5000	-1.9	20.0
2,6-Dinitrotoluene	Ave	0.3632	0.3694	0.2000	5080	5000	1.7	25.0
4-Nitrophenol	Lin		0.1373	0.0100	11100	10000	11.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2922	0.3026	0.0100	5180	5000	3.5	40.0
Diethyl phthalate	Ave	1.143	1.061	0.0100	4640	5000	-7.2	20.0
Fluorene	Ave	1.233	1.196	0.9000	4850	5000	-3.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.5785	0.5851	0.4000	5060	5000	1.1	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1462	0.1585	0.0100	10800	10000	8.5	20.0
1,2-Diphenylhydrazine	Ave	1.285	1.227	0.0100	4770	5000	-4.5	25.0
trans-Azobenzene	Ave	0.9033	0.8780	0.0100	4860	5000	-2.8	40.0
4-Bromophenyl phenyl ether	Ave	0.2208	0.2290	0.1000	5190	5000	3.7	20.0
Hexachlorobenzene	Ave	0.2578	0.2696	0.1000	5230	5000	4.6	20.0
Pentachlorophenol	Lin1		0.1263	0.0500	9130	10000	-8.7	20.0
Hexadecane	None			0.0100		5000		
Phenanthrene	Ave	1.101	1.079	0.7000	4900	5000	-2.0	20.0
Anthracene	Ave	1.122	1.088	0.7000	4850	5000	-3.0	20.0
Carbazole	Ave	0.9007	0.8803	0.0100	4890	5000	-2.3	20.0
Di-n-butyl phthalate	Ave	1.187	1.073	0.0100	4520	5000	-9.6	20.0
Fluoranthene	Ave	1.079	1.009	0.6000	4680	5000	-6.5	20.0
Pyrene	Ave	1.230	1.277	0.6000	5190	5000	3.8	20.0
Butyl benzyl phthalate	Ave	0.4985	0.5228	0.0100	5240	5000	4.9	20.0
Benzo(a)anthracene	Ave	0.9780	1.070	0.8000	5470	5000	9.4	20.0
Chrysene	Ave	1.056	1.050	0.7000	4970	5000	-0.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7209	0.7418	0.0100	5140	5000	2.9	20.0
Di-n-octyl phthalate	Lin1		1.255	0.0100	5090	5000	1.9	20.0
Benzo(b)fluoranthene	Qua		1.048	0.7000	5260	5000	5.2	20.0
Benzo(k)fluoranthene	Ave	1.229	1.201	0.7000	4890	5000	-2.3	20.0
Benzo(a)pyrene	Lin1		1.067	0.7000	5140	5000	2.7	20.0
Benzo(g,h,i)perylene	Qua		1.128	0.5000	6740	5000	34.7*	20.0
Dibenz(a,h)anthracene	Lin1		1.171	0.4000	6100	5000	22.0*	20.0
Indeno(1,2,3-cd)pyrene	Ave	0.8702	1.185	0.5000	6810	5000	36.2*	20.0
2-Fluorophenol	Ave	1.297	1.328	0.0100	5120	5000	2.4	25.0
Phenol-d5	Ave	1.474	1.713	0.0100	5810	5000	16.2	25.0
Nitrobenzene-d5	Ave	0.3748	0.3845	0.0100	5130	5000	2.6	25.0
2-Fluorobiphenyl	Ave	1.226	1.304	0.0100	5320	5000	6.4	25.0
2,4,6-Tribromophenol	Ave	0.1202	0.1381	0.0100	5750	5000	14.9	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Lab Sample ID: CCVIS 480-184939/3 Calibration Date: 05/31/2014 02:23

Instrument ID: HP5973W Calib Start Date: 05/21/2014 15:32

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/21/2014 20:46

Lab File ID: W07490.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6233	0.5392	0.0100	4330	5000	-13.5	50.0
N-Nitrosodimethylamine	Ave	0.8136	0.6874	0.0100	4220	5000	-15.5	25.0
Pyridine	Ave	1.492	1.172	0.0100	3930	5000	-21.5	50.0
Aniline	Ave	1.987	1.720	0.0100	4330	5000	-13.4	50.0
Phenol	Ave	1.669	1.777	0.8000	5320	5000	6.5	20.0
Bis(2-chloroethyl)ether	Ave	1.349	1.415	0.7000	5250	5000	4.9	20.0
2-Chlorophenol	Ave	1.387	1.464	0.8000	5280	5000	5.5	20.0
1,3-Dichlorobenzene	Ave	1.550	1.536	0.0100	4950	5000	-0.9	20.0
1,4-Dichlorobenzene	Ave	1.571	1.530	0.0100	4870	5000	-2.6	20.0
1,2-Dichlorobenzene	Ave	1.446	1.447	0.0100	5000	5000	0.0	20.0
4-Methylphenol	Ave	0.7647	0.9202	0.6000	6020	5000	20.3*	20.0
bis (2-chloroisopropyl) ether	Lin1		1.886	0.0100	4000	5000	-20.0	20.0
2-Methylphenol	Ave	1.180	1.299	0.7000	5500	5000	10.1	20.0
Acetophenone	Ave	1.777	1.830	0.0100	5150	5000	3.0	40.0
N-Nitrosodi-n-propylamine	Ave	0.9033	0.9674	0.5000	5350	5000	7.1	20.0
Benzyl alcohol	Ave	1.147	1.284	0.0100	5600	5000	11.9	50.0
Hexachloroethane	Ave	0.6699	0.6341	0.3000	4730	5000	-5.3	20.0
Nitrobenzene	Ave	0.3716	0.3805	0.2000	5120	5000	2.4	20.0
Isophorone	Ave	0.5926	0.4799	0.4000	4050	5000	-19.0	20.0
2-Nitrophenol	Ave	0.1950	0.2018	0.1000	5170	5000	3.5	20.0
2,4-Dimethylphenol	Ave	0.3119	0.3263	0.2000	5230	5000	4.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.3900	0.3997	0.3000	5120	5000	2.5	20.0
2,4-Dichlorophenol	Ave	0.2452	0.2818	0.2000	5750	5000	14.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3134	0.3148	0.0100	5020	5000	0.5	20.0
Naphthalene	Ave	1.023	0.9829	0.7000	4800	5000	-3.9	20.0
4-Chloroaniline	Lin1		0.4252	0.0100	5520	5000	10.3	20.0
Hexachlorobutadiene	Ave	0.1866	0.1929	0.0100	5170	5000	3.4	20.0
4-Chloro-3-methylphenol	Lin1		0.2945	0.2000	5620	5000	12.5	20.0
1-Methylnaphthalene	Ave	0.6010	0.6316	0.0100	5250	5000	5.1	40.0
2-Methylnaphthalene	Ave	0.5688	0.5908	0.4000	5190	5000	3.9	20.0
Hexachlorocyclopentadiene	Ave	0.3763	0.3818	0.0500	5070	5000	1.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5216	0.5848	0.0100	5610	5000	12.1	40.0
2,4,6-Trichlorophenol	Ave	0.3329	0.3925	0.2000	5890	5000	17.9	20.0
2,4,5-Trichlorophenol	Lin1		0.4136	0.2000	4830	5000	-3.3	20.0
Biphenyl	Ave	1.273	1.374	0.0100	5400	5000	7.9	40.0
2-Chloronaphthalene	Ave	1.079	1.174	0.8000	5440	5000	8.8	25.0
2-Nitroaniline	Ave	0.3602	0.3814	0.0100	5290	5000	5.9	20.0
3-Nitroaniline	Lin1		0.4195	0.0100	5260	5000	5.3	20.0
Dimethyl phthalate	Ave	1.219	1.184	0.0100	4860	5000	-2.8	20.0
1,3-Dinitrobenzene	Ave	0.1036	0.1167	0.0100	5630	5000	12.6	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Lab Sample ID: CCVIS 480-184939/3 Calibration Date: 05/31/2014 02:23

Instrument ID: HP5973W Calib Start Date: 05/21/2014 15:32

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/21/2014 20:46

Lab File ID: W07490.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrotoluene	Ave	0.2865	0.3073	0.0100	5360	5000	7.3	20.0
Acenaphthylene	Ave	1.711	1.748	0.9000	5110	5000	2.1	20.0
4-Nitroaniline	Lin1		0.3234	0.0100	5080	5000	1.5	20.0
Acenaphthene	Ave	1.115	1.113	0.0100	4990	5000	-0.2	20.0
2,4-Dinitrophenol	Lin1		0.1914	0.0100	10100	10000	1.1	20.0
Dibenzofuran	Ave	1.563	1.540	0.8000	4930	5000	-1.5	20.0
2,6-Dinitrotoluene	Ave	0.3632	0.3789	0.2000	5220	5000	4.3	25.0
4-Nitrophenol	Lin		0.1537	0.0100	12300	10000	22.5*	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2922	0.3074	0.0100	5260	5000	5.2	40.0
Diethyl phthalate	Ave	1.143	1.087	0.0100	4760	5000	-4.9	20.0
Fluorene	Ave	1.233	1.203	0.9000	4880	5000	-2.4	20.0
4-Chlorophenyl phenyl ether	Ave	0.5785	0.5941	0.4000	5130	5000	2.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1462	0.1624	0.0100	11100	10000	11.1	20.0
1,2-Diphenylhydrazine	Ave	1.285	1.228	0.0100	4780	5000	-4.5	25.0
trans-Azobenzene	Ave	0.9033	0.8591	0.0100	4760	5000	-4.9	40.0
4-Bromophenyl phenyl ether	Ave	0.2208	0.2341	0.1000	5300	5000	6.1	20.0
Hexachlorobenzene	Ave	0.2578	0.2727	0.1000	5290	5000	5.8	20.0
Pentachlorophenol	Lin1		0.1313	0.0500	9480	10000	-5.2	20.0
Hexadecane	None			0.0100		5000		
Phenanthrene	Ave	1.101	1.079	0.7000	4900	5000	-2.1	20.0
Anthracene	Ave	1.122	1.089	0.7000	4850	5000	-2.9	20.0
Carbazole	Ave	0.9007	0.8864	0.0100	4920	5000	-1.6	20.0
Di-n-butyl phthalate	Ave	1.187	1.057	0.0100	4450	5000	-11.0	20.0
Fluoranthene	Ave	1.079	0.9900	0.6000	4590	5000	-8.3	20.0
Pyrene	Ave	1.230	1.296	0.6000	5270	5000	5.3	20.0
Butyl benzyl phthalate	Ave	0.4985	0.5109	0.0100	5120	5000	2.5	20.0
Benzo(a)anthracene	Ave	0.9780	1.077	0.8000	5510	5000	10.2	20.0
Chrysene	Ave	1.056	1.044	0.7000	4940	5000	-1.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7209	0.6849	0.0100	4750	5000	-5.0	20.0
Di-n-octyl phthalate	Lin1		1.182	0.0100	4810	5000	-3.8	20.0
Benzo(b)fluoranthene	Qua		1.116	0.7000	5550	5000	10.9	20.0
Benzo(k)fluoranthene	Ave	1.229	1.152	0.7000	4680	5000	-6.3	20.0
Benzo(a)pyrene	Lin1		1.052	0.7000	5070	5000	1.3	20.0
Benzo(g,h,i)perylene	Qua		1.159	0.5000	6900	5000	37.9*	20.0
Dibenz(a,h)anthracene	Lin1		1.149	0.4000	5990	5000	19.8	20.0
Indeno(1,2,3-cd)pyrene	Ave	0.8702	1.193	0.5000	6850	5000	37.1*	20.0
2-Fluorophenol	Ave	1.297	1.315	0.0100	5070	5000	1.4	25.0
Phenol-d5	Ave	1.474	1.726	0.0100	5850	5000	17.1	25.0
Nitrobenzene-d5	Ave	0.3748	0.3871	0.0100	5160	5000	3.3	25.0
2-Fluorobiphenyl	Ave	1.226	1.303	0.0100	5310	5000	6.2	25.0
2,4,6-Tribromophenol	Ave	0.1202	0.1394	0.0100	5800	5000	16.0	25.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Lab Sample ID: CCVIS 480-185372/3 Calibration Date: 06/03/2014 11:56

Instrument ID: HP5973W Calib Start Date: 05/21/2014 15:32

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/21/2014 20:46

Lab File ID: W07565.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6233	0.5553	0.0100	4450	5000	-10.9	50.0
N-Nitrosodimethylamine	Ave	0.8136	0.6776	0.0100	4160	5000	-16.7	25.0
Pyridine	Ave	1.492	1.081	0.0100	3620	5000	-27.6	50.0
Aniline	Ave	1.987	1.720	0.0100	4330	5000	-13.5	50.0
Bis(2-chloroethyl)ether	Ave	1.349	1.341	0.7000	4970	5000	-0.6	20.0
Phenol	Ave	1.669	1.719	0.8000	5150	5000	3.0	20.0
2-Chlorophenol	Ave	1.387	1.447	0.8000	5210	5000	4.3	20.0
1,3-Dichlorobenzene	Ave	1.550	1.524	0.0100	4920	5000	-1.7	20.0
1,4-Dichlorobenzene	Ave	1.571	1.528	0.0100	4860	5000	-2.8	20.0
1,2-Dichlorobenzene	Ave	1.446	1.452	0.0100	5020	5000	0.4	20.0
4-Methylphenol	Ave	0.7647	0.7855	0.6000	5140	5000	2.7	20.0
bis (2-chloroisopropyl) ether	Lin1		1.708	0.0100	3620	5000	-27.7*	20.0
2-Methylphenol	Ave	1.180	1.171	0.7000	4960	5000	-0.8	20.0
Acetophenone	Ave	1.777	1.791	0.0100	5040	5000	0.8	40.0
N-Nitrosodi-n-propylamine	Ave	0.9033	0.9225	0.5000	5110	5000	2.1	20.0
Benzyl alcohol	Ave	1.147	1.250	0.0100	5450	5000	9.0	50.0
Hexachloroethane	Ave	0.6699	0.6283	0.3000	4690	5000	-6.2	20.0
Nitrobenzene	Ave	0.3716	0.3700	0.2000	4980	5000	-0.4	20.0
Isophorone	Ave	0.5926	0.5083	0.4000	4290	5000	-14.2	20.0
2-Nitrophenol	Ave	0.1950	0.2072	0.1000	5310	5000	6.3	20.0
2,4-Dimethylphenol	Ave	0.3119	0.3241	0.2000	5200	5000	3.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.3900	0.3903	0.3000	5000	5000	0.0	20.0
2,4-Dichlorophenol	Ave	0.2452	0.2849	0.2000	5810	5000	16.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3134	0.3200	0.0100	5110	5000	2.1	20.0
Naphthalene	Ave	1.023	1.019	0.7000	4980	5000	-0.4	20.0
4-Chloroaniline	Lin1		0.4145	0.0100	5380	5000	7.6	20.0
Hexachlorobutadiene	Ave	0.1866	0.1939	0.0100	5190	5000	3.9	20.0
4-Chloro-3-methylphenol	Lin1		0.2923	0.2000	5580	5000	11.6	20.0
1-Methylnaphthalene	Ave	0.6010	0.6480	0.0100	5390	5000	7.8	40.0
2-Methylnaphthalene	Ave	0.5688	0.5935	0.4000	5220	5000	4.3	20.0
Hexachlorocyclopentadiene	Ave	0.3763	0.3703	0.0500	4920	5000	-1.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5216	0.5915	0.0100	5670	5000	13.4	40.0
2,4,6-Trichlorophenol	Ave	0.3329	0.3802	0.2000	5710	5000	14.2	20.0
2,4,5-Trichlorophenol	Lin1		0.4030	0.2000	4710	5000	-5.7	20.0
Biphenyl	Ave	1.273	1.383	0.0100	5430	5000	8.6	40.0
2-Chloronaphthalene	Ave	1.079	1.181	0.8000	5470	5000	9.5	25.0
2-Nitroaniline	Ave	0.3602	0.3604	0.0100	5000	5000	0.0	20.0
3-Nitroaniline	Lin1		0.4029	0.0100	5060	5000	1.2	20.0
Dimethyl phthalate	Ave	1.219	1.189	0.0100	4880	5000	-2.4	20.0
1,3-Dinitrobenzene	Ave	0.1036	0.1172	0.0100	5650	5000	13.1	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Lab Sample ID: CCVIS 480-185372/3 Calibration Date: 06/03/2014 11:56

Instrument ID: HP5973W Calib Start Date: 05/21/2014 15:32

GC Column: RXI-5Sil MS ID: 0.25(mm) Calib End Date: 05/21/2014 20:46

Lab File ID: W07565.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4-Dinitrotoluene	Ave	0.2865	0.3021	0.0100	5270	5000	5.5	20.0
Acenaphthylene	Ave	1.711	1.757	0.9000	5130	5000	2.6	20.0
4-Nitroaniline	Lin1		0.3099	0.0100	4870	5000	-2.6	20.0
Acenaphthene	Ave	1.115	1.134	0.0100	5080	5000	1.7	20.0
2,4-Dinitrophenol	Lin1		0.1626	0.0100	8630	10000	-13.7	20.0
Dibenzofuran	Ave	1.563	1.557	0.8000	4980	5000	-0.4	20.0
2,6-Dinitrotoluene	Ave	0.3632	0.3867	0.2000	5320	5000	6.5	25.0
4-Nitrophenol	Lin		0.1363	0.0100	11100	10000	10.6	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2922	0.2934	0.0100	5020	5000	0.4	40.0
Diethyl phthalate	Ave	1.143	1.078	0.0100	4720	5000	-5.6	20.0
Fluorene	Ave	1.233	1.230	0.9000	4990	5000	-0.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.5785	0.6037	0.4000	5220	5000	4.4	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1462	0.1566	0.0100	10700	10000	7.1	20.0
1,2-Diphenylhydrazine	Ave	1.285	1.174	0.0100	4570	5000	-8.6	25.0
trans-Azobenzene	Ave	0.9033	0.8064	0.0100	4460	5000	-10.7	40.0
4-Bromophenyl phenyl ether	Ave	0.2208	0.2329	0.1000	5270	5000	5.5	20.0
Hexachlorobenzene	Ave	0.2578	0.2744	0.1000	5320	5000	6.5	20.0
Pentachlorophenol	Lin1		0.0954	0.0500	6930	10000	-30.7*	20.0
Hexadecane	None			0.0100		5000		
Phenanthrene	Ave	1.101	1.087	0.7000	4930	5000	-1.3	20.0
Anthracene	Ave	1.122	1.098	0.7000	4890	5000	-2.1	20.0
Carbazole	Ave	0.9007	0.8377	0.0100	4650	5000	-7.0	20.0
Di-n-butyl phthalate	Ave	1.187	1.069	0.0100	4500	5000	-9.9	20.0
Fluoranthene	Ave	1.079	1.050	0.6000	4860	5000	-2.7	20.0
Pyrene	Ave	1.230	1.300	0.6000	5280	5000	5.6	20.0
Butyl benzyl phthalate	Ave	0.4985	0.5033	0.0100	5050	5000	1.0	20.0
Benzo(a)anthracene	Ave	0.9780	1.038	0.8000	5300	5000	6.1	20.0
Chrysene	Ave	1.056	1.058	0.7000	5010	5000	0.1	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7209	0.6419	0.0100	4450	5000	-11.0	20.0
Di-n-octyl phthalate	Lin1		1.047	0.0100	4280	5000	-14.5	20.0
Benzo(b)fluoranthene	Qua		1.086	0.7000	5420	5000	8.4	20.0
Benzo(k)fluoranthene	Ave	1.229	1.252	0.7000	5090	5000	1.8	20.0
Benzo(a)pyrene	Lin1		1.074	0.7000	5170	5000	3.4	20.0
Benzo(g,h,i)perylene	Qua		1.031	0.5000	6230	5000	24.6*	20.0
Dibenz(a,h)anthracene	Lin1		1.107	0.4000	5780	5000	15.6	20.0
Indeno(1,2,3-cd)pyrene	Ave	0.8702	1.194	0.5000	6860	5000	37.2*	20.0
2-Fluorophenol	Ave	1.297	1.300	0.0100	5010	5000	0.2	25.0
Phenol-d5	Ave	1.474	1.649	0.0100	5590	5000	11.9	25.0
Nitrobenzene-d5	Ave	0.3748	0.3683	0.0100	4910	5000	-1.7	25.0
2-Fluorobiphenyl	Ave	1.226	1.306	0.0100	5320	5000	6.5	25.0
2,4,6-Tribromophenol	Ave	0.1202	0.1369	0.0100	5700	5000	13.9	25.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-183336/1-A

Matrix: Water Lab File ID: W07404.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 05/21/2014 11:27

Sample wt/vol: 250(mL) Date Analyzed: 05/28/2014 22:24

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 184443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	Biphenyl	ND		5.0	0.65
108-60-1	bis (2-chloroisopropyl) ether	ND		5.0	0.52
95-95-4	2,4,5-Trichlorophenol	ND		5.0	0.48
88-06-2	2,4,6-Trichlorophenol	ND		5.0	0.61
120-83-2	2,4-Dichlorophenol	ND		5.0	0.51
105-67-9	2,4-Dimethylphenol	ND		5.0	0.50
51-28-5	2,4-Dinitrophenol	ND		10	2.2
121-14-2	2,4-Dinitrotoluene	ND		5.0	0.45
606-20-2	2,6-Dinitrotoluene	ND		5.0	0.40
91-58-7	2-Chloronaphthalene	ND		5.0	0.46
95-57-8	2-Chlorophenol	ND		5.0	0.53
91-57-6	2-Methylnaphthalene	ND		5.0	0.60
95-48-7	2-Methylphenol	ND		5.0	0.40
88-74-4	2-Nitroaniline	ND		10	0.42
88-75-5	2-Nitrophenol	ND		5.0	0.48
91-94-1	3,3'-Dichlorobenzidine	ND		5.0	0.40
99-09-2	3-Nitroaniline	ND		10	0.48
534-52-1	4,6-Dinitro-2-methylphenol	ND		10	2.2
101-55-3	4-Bromophenyl phenyl ether	ND		5.0	0.45
59-50-7	4-Chloro-3-methylphenol	ND		5.0	0.45
106-47-8	4-Chloroaniline	ND		5.0	0.59
7005-72-3	4-Chlorophenyl phenyl ether	ND		5.0	0.35
106-44-5	4-Methylphenol	2.71	J	10	0.36
100-01-6	4-Nitroaniline	ND		10	0.25
100-02-7	4-Nitrophenol	ND		10	1.5
83-32-9	Acenaphthene	ND		5.0	0.41
208-96-8	Acenaphthylene	ND		5.0	0.38
98-86-2	Acetophenone	ND		5.0	0.54
120-12-7	Anthracene	ND		5.0	0.28
1912-24-9	Atrazine	ND		5.0	0.46
100-52-7	Benzaldehyde	0.444	J	5.0	0.27
56-55-3	Benzo(a)anthracene	ND		5.0	0.36
50-32-8	Benzo(a)pyrene	ND		5.0	0.47
205-99-2	Benzo(b)fluoranthene	ND		5.0	0.34

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-183336/1-A

Matrix: Water Lab File ID: W07404.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 05/21/2014 11:27

Sample wt/vol: 250(mL) Date Analyzed: 05/28/2014 22:24

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 184443 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
191-24-2	Benzo(g,h,i)perylene	ND		5.0	0.35
207-08-9	Benzo(k)fluoranthene	ND		5.0	0.73
111-91-1	Bis(2-chloroethoxy)methane	ND		5.0	0.35
111-44-4	Bis(2-chloroethyl)ether	ND		5.0	0.40
117-81-7	Bis(2-ethylhexyl) phthalate	ND		5.0	1.8
85-68-7	Butyl benzyl phthalate	ND		5.0	0.42
105-60-2	Caprolactam	ND		5.0	2.2
86-74-8	Carbazole	ND		5.0	0.30
218-01-9	Chrysene	ND		5.0	0.33
84-74-2	Di-n-butyl phthalate	1.18	J	5.0	0.31
117-84-0	Di-n-octyl phthalate	ND		5.0	0.47
53-70-3	Dibenz(a,h)anthracene	ND		5.0	0.42
132-64-9	Dibenzofuran	ND		10	0.51
84-66-2	Diethyl phthalate	0.701	J	5.0	0.22
131-11-3	Dimethyl phthalate	ND		5.0	0.36
206-44-0	Fluoranthene	ND		5.0	0.40
86-73-7	Fluorene	ND		5.0	0.36
118-74-1	Hexachlorobenzene	ND		5.0	0.51
87-68-3	Hexachlorobutadiene	ND		5.0	0.68
77-47-4	Hexachlorocyclopentadiene	ND		5.0	0.59
67-72-1	Hexachloroethane	ND		5.0	0.59
193-39-5	Indeno(1,2,3-cd)pyrene	ND		5.0	0.47
78-59-1	Isophorone	ND		5.0	0.43
621-64-7	N-Nitrosodi-n-propylamine	ND		5.0	0.54
86-30-6	N-Nitrosodiphenylamine	ND		5.0	0.51
91-20-3	Naphthalene	ND		5.0	0.76
98-95-3	Nitrobenzene	ND		5.0	0.29
87-86-5	Pentachlorophenol	ND		10	2.2
85-01-8	Phenanthrene	ND		5.0	0.44
108-95-2	Phenol	ND		5.0	0.39
129-00-0	Pyrene	ND		5.0	0.34

FORM II
PESTICIDES SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
OW-35	480-60169-1	86	80	43	48
OW-36	480-60169-2	79	86	36	36
OW-34	480-60169-3	89	76	62	66
OW-16	480-60169-4	93	82	21	32
OW-32	480-60169-5	103	72	50	58
OW-37	480-60219-1	71	76	34	41
OW-33	480-60219-2	68	92	41	61
OW-31	480-60219-3	74	79	27	59
	MB 480-183216/1-A	76	73	25	43
	MB 480-183479/1-A	66	83	32	43
	LCS 480-183216/2-A	74	72	17 X	28
	LCS 480-183479/2-A	60	74	25	30
	LCSD 480-183479/3-A	64	79	20	24

	QC LIMITS
TCX = Tetrachloro-m-xylene	36-120
DCBP = DCB Decachlorobiphenyl	20-120

Column to be used to flag recovery values

FORM II 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: OW-35 Lab Sample ID: 480-60169-1

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 05/22/2014 17:28 Date Analyzed (2): 05/22/2014 17:28

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.58	2.51	2.61	0.045		109.3
	2		2.94	2.91	3.01	0.013		
gamma-BHC (Lindane)	1		2.80	2.74	2.84	0.0080		107.1
	2		3.23	3.21	3.31	0.026		
trans-Chlordane	1		4.05	4.03	4.13	0.023		73.9
	2		4.77	4.74	4.84	0.011		
4,4'-DDE	1		4.28	4.26	4.36	0.011		51.7
	2		5.12	5.07	5.17	0.019		
4,4'-DDD	1		4.89	4.86	4.96	0.022		36.3
	2		5.73	5.68	5.78	0.016		
4,4'-DDT	1		5.16	5.14	5.24	0.039		44.9
	2		6.06	6.00	6.10	0.025		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: OW-36 Lab Sample ID: 480-60169-2

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 05/22/2014 17:46 Date Analyzed (2): 05/22/2014 17:46

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.57	2.51	2.61	0.019		13.0
	2		2.95	2.91	3.01	0.022		
gamma-BHC (Lindane)	1		2.78	2.74	2.84	0.011		66.6
	2		3.25	3.21	3.31	0.022		
delta-BHC	1		2.98	2.94	3.04	0.016		10.1
	2		3.59	3.55	3.65	0.018		
4,4'-DDE	1		4.29	4.26	4.36	0.014		29.4
	2		5.12	5.07	5.17	0.019		
4,4'-DDD	1		4.90	4.86	4.96	0.028		20.9
	2		5.72	5.68	5.78	0.022		
4,4'-DDT	1		5.17	5.14	5.24	0.031		1.1
	2		6.06	6.00	6.10	0.032		
Endrin aldehyde	1		5.45	5.41	5.51	0.021		2.3
	2		6.18	6.12	6.22	0.022		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: OW-34 Lab Sample ID: 480-60169-3

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 05/22/2014 18:39 Date Analyzed (2): 05/22/2014 18:39

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
gamma-BHC (Lindane)	1		2.80	2.74	2.84	0.0091		55.8
	2		3.23	3.21	3.31	0.016		
delta-BHC	1		3.00	2.94	3.04	0.0097		40.0
	2		3.62	3.55	3.65	0.015		
Aldrin	1		3.43	3.36	3.46	0.0084		119.2
	2		4.03	3.95	4.05	0.033		
4,4'-DDD	1		4.89	4.86	4.96	0.012		6.1
	2		5.72	5.68	5.78	0.012		
Methoxychlor	1		5.73	5.66	5.76	0.37		152.2
	2		6.78	6.70	6.80	0.051		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: OW-32 Lab Sample ID: 480-60169-5

Instrument ID (1): HP6890-25 Instrument ID (2): HP6890-25

Date Analyzed (1): 05/22/2014 19:15 Date Analyzed (2): 05/22/2014 19:15

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
delta-BHC	1		2.98	2.94	3.04	0.014		133.5
	2		3.62	3.55	3.65	0.069		
Heptachlor	1		3.16	3.11	3.21	0.013		43.0
	2		3.71	3.63	3.73	0.021		
Aldrin	1		3.44	3.36	3.46	0.11		162.2
	2		3.99	3.95	4.05	0.011		
Endosulfan I	1		4.35	4.29	4.39	0.014		66.9
	2		5.01	4.95	5.05	0.028		
Dieldrin	1		4.61	4.53	4.63	0.024		11.3
	2		5.30	5.24	5.34	0.027		
Endrin	1		4.82	4.76	4.86	0.018		117.8
	2		5.57	5.55	5.65	0.070		
4,4'-DDD	1		4.90	4.86	4.96	0.040		1.4
	2		5.75	5.68	5.78	0.039		
4,4'-DDT	1		5.17	5.14	5.24	0.064		19.2
	2		6.06	6.00	6.10	0.053		
Endrin aldehyde	1		5.45	5.41	5.51	0.037		3.5
	2		6.14	6.12	6.22	0.038		
Methoxychlor	1		5.70	5.66	5.76	0.058		48.1
	2		6.77	6.70	6.80	0.094		
Endrin ketone	1		6.20	6.13	6.23	0.022		25.0
	2		7.00	6.94	7.04	0.017		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: OW-37 Lab Sample ID: 480-60219-1

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/23/2014 10:43 Date Analyzed (2): 05/23/2014 10:43

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.50	2.45	2.51	0.029		107.1
	2		2.93	2.89	2.95	0.0087		
Heptachlor epoxide	1		3.86	3.83	3.89	0.018		85.4
	2		4.53	4.50	4.56	0.044		
trans-Chlordane	1		3.97	3.95	4.01	0.020		67.1
	2		4.71	4.70	4.76	0.010		
4,4'-DDE	1		4.20	4.18	4.24	0.015		89.3
	2		5.05	5.03	5.09	0.038		
Dieldrin	1		4.45	4.45	4.51	0.0094		12.1
	2		5.23	5.18	5.24	0.011		
Endrin	1		4.74	4.69	4.75	0.019		89.9
	2		5.49	5.48	5.54	0.049		
4,4'-DDD	1		4.82	4.78	4.84	0.032		87.2
	2		5.63	5.61	5.67	0.012		
Endosulfan II	1		4.95	4.91	4.97	0.011		105.4
	2		5.75	5.70	5.76	0.034		
4,4'-DDT	1		5.10	5.07	5.13	0.051		46.9
	2		5.98	5.93	5.99	0.032		
Endrin aldehyde	1		5.38	5.34	5.40	0.042		41.6
	2		6.06	6.03	6.09	0.028		
Methoxychlor	1		5.62	5.59	5.65	0.053		45.4
	2		6.67	6.62	6.68	0.033		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: OW-33 Lab Sample ID: 480-60219-2

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/23/2014 11:00 Date Analyzed (2): 05/23/2014 11:00

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.50	2.45	2.51	0.017		59.9
	2		2.94	2.89	2.95	0.0094		
trans-Chlordane	1		3.97	3.95	4.01	0.012		57.5
	2		4.72	4.70	4.76	0.022		
4,4'-DDE	1		4.20	4.18	4.24	0.011		108.6
	2		5.05	5.03	5.09	0.037		
4,4'-DDT	1		5.09	5.07	5.13	0.029		60.3
	2		5.98	5.93	5.99	0.054		
Endrin aldehyde	1		5.38	5.34	5.40	0.024		39.2
	2		6.06	6.03	6.09	0.036		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: OW-31 Lab Sample ID: 480-60219-3

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/23/2014 11:18 Date Analyzed (2): 05/23/2014 11:18

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.50	2.45	2.51	0.031		46.6
	2		2.91	2.89	2.95	0.019		
gamma-BHC (Lindane)	1		2.70	2.68	2.74	0.014		41.4
	2		3.22	3.20	3.26	0.022		
delta-BHC	1		2.91	2.87	2.93	0.015		67.6
	2		3.54	3.53	3.59	0.031		
Heptachlor	1		3.06	3.04	3.10	0.014		79.9
	2		3.62	3.61	3.67	0.032		
trans-Chlordane	1		3.98	3.95	4.01	0.045		49.8
	2		4.71	4.70	4.76	0.027		
cis-Chlordane	1		4.13	4.08	4.14	0.030		56.6
	2		4.89	4.85	4.91	0.017		
4,4'-DDE	1		4.21	4.18	4.24	0.033		77.1
	2		5.05	5.03	5.09	0.074		
Endosulfan I	1		4.27	4.21	4.27	0.024		48.6
	2		4.94	4.90	4.96	0.039		
Dieldrin	1		4.45	4.45	4.51	0.013		81.7
	2		5.23	5.18	5.24	0.030		
Endrin	1		4.71	4.69	4.75	0.015		179.2
	2		5.52	5.48	5.54	0.27		
Endosulfan II	1		4.94	4.91	4.97	0.014		131.2
	2		5.75	5.70	5.76	0.066		
4,4'-DDT	1		5.10	5.07	5.13	0.056		0.4
	2		5.98	5.93	5.99	0.056		
Methoxychlor	1		5.62	5.59	5.65	0.044		74.6
	2		6.68	6.62	6.68	0.096		
Endrin ketone	1		6.07	6.06	6.12	0.016		60.6
	2		6.86	6.84	6.90	0.031		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-183479/1-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/23/2014 08:50 Date Analyzed (2): 05/23/2014 08:50

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.48	2.45	2.51	0.0156		57.8
	2		2.94	2.89	2.95	0.00862		
4,4'-DDD	1		4.80	4.78	4.84	0.0111		14.2
	2		5.63	5.61	5.67	0.00964		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 480-183479/2-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/23/2014 09:08 Date Analyzed (2): 05/23/2014 09:08

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.48	2.45	2.51	0.277		20.9
	2		2.92	2.89	2.95	0.342		
gamma-BHC (Lindane)	1		2.71	2.68	2.74	0.284		22.7
	2		3.22	3.20	3.26	0.357		
beta-BHC	1		2.77	2.74	2.80	0.300		22.9
	2		3.29	3.26	3.32	0.378		
delta-BHC	1		2.90	2.87	2.93	0.293		23.2
	2		3.56	3.53	3.59	0.370		
Heptachlor	1		3.07	3.04	3.10	0.301		19.4
	2		3.64	3.61	3.67	0.366		
Aldrin	1		3.32	3.29	3.35	0.264		8.6
	2		3.96	3.93	3.99	0.287		
Heptachlor epoxide	1		3.86	3.83	3.89	0.334		8.9
	2		4.53	4.50	4.56	0.365		
trans-Chlordane	1		3.98	3.95	4.01	0.290		18.7
	2		4.73	4.70	4.76	0.350		
cis-Chlordane	1		4.11	4.08	4.14	0.279		14.4
	2		4.88	4.85	4.91	0.323		
4,4'-DDE	1		4.21	4.18	4.24	0.263		22.9
	2		5.06	5.03	5.09	0.331		
Endosulfan I	1		4.24	4.21	4.27	0.302		15.6
	2		4.93	4.90	4.96	0.354		
Dieldrin	1		4.48	4.45	4.51	0.312		18.8
	2		5.21	5.18	5.24	0.376		
Endrin	1		4.72	4.69	4.75	0.352		9.4
	2		5.51	5.48	5.54	0.386		
4,4'-DDD	1		4.81	4.78	4.84	0.342		8.3
	2		5.64	5.61	5.67	0.371		
Endosulfan II	1		4.94	4.91	4.97	0.364		0.6
	2		5.73	5.70	5.76	0.362		
4,4'-DDT	1		5.10	5.07	5.13	0.360		6.7
	2		5.96	5.93	5.99	0.336		
Endrin aldehyde	1		5.37	5.34	5.40	0.408		2.3
	2		6.06	6.03	6.09	0.399		
Methoxychlor	1		5.62	5.59	5.65	0.328		26.0
	2		6.65	6.62	6.68	0.425		
Endosulfan sulfate	1		5.82	5.79	5.85	0.348		9.1
	2		6.35	6.32	6.38	0.381		
Endrin ketone	1		6.09	6.06	6.12	0.347		7.8
	2		6.87	6.84	6.90	0.375		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 480-183479/3-A

Instrument ID (1): HP6890-5 Instrument ID (2): HP6890-5

Date Analyzed (1): 05/23/2014 09:25 Date Analyzed (2): 05/23/2014 09:25

GC Column (1): RTX-CLPI ID: 0.53(mm) GC Column (2): RTX-CLPII ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		2.48	2.45	2.51	0.302		19.5
	2		2.92	2.89	2.95	0.367		
gamma-BHC (Lindane)	1		2.71	2.68	2.74	0.309		21.4
	2		3.23	3.20	3.26	0.384		
beta-BHC	1		2.77	2.74	2.80	0.326		19.7
	2		3.29	3.26	3.32	0.397		
delta-BHC	1		2.90	2.87	2.93	0.311		22.8
	2		3.56	3.53	3.59	0.390		
Heptachlor	1		3.07	3.04	3.10	0.330		15.0
	2		3.64	3.61	3.67	0.384		
Aldrin	1		3.32	3.29	3.35	0.269		6.3
	2		3.96	3.93	3.99	0.287		
Heptachlor epoxide	1		3.86	3.83	3.89	0.361		8.1
	2		4.53	4.50	4.56	0.391		
trans-Chlordane	1		3.98	3.95	4.01	0.314		17.4
	2		4.73	4.70	4.76	0.373		
cis-Chlordane	1		4.11	4.08	4.14	0.305		16.0
	2		4.88	4.85	4.91	0.357		
4,4'-DDE	1		4.21	4.18	4.24	0.288		19.2
	2		5.06	5.03	5.09	0.349		
Endosulfan I	1		4.24	4.21	4.27	0.329		14.8
	2		4.93	4.90	4.96	0.381		
Dieldrin	1		4.48	4.45	4.51	0.339		16.6
	2		5.21	5.18	5.24	0.400		
Endrin	1		4.72	4.69	4.75	0.391		4.9
	2		5.51	5.48	5.54	0.411		
4,4'-DDD	1		4.81	4.78	4.84	0.368		8.3
	2		5.64	5.61	5.67	0.400		
Endosulfan II	1		4.94	4.91	4.97	0.395		2.0
	2		5.73	5.70	5.76	0.387		
4,4'-DDT	1		5.10	5.07	5.13	0.399		12.3
	2		5.96	5.93	5.99	0.353		
Endrin aldehyde	1		5.37	5.34	5.40	0.444		4.3
	2		6.06	6.03	6.09	0.425		
Methoxychlor	1		5.62	5.59	5.65	0.374		50.9
	2		6.65	6.62	6.68	0.222		
Endosulfan sulfate	1		5.82	5.79	5.85	0.375		8.2
	2		6.35	6.32	6.38	0.408		
Endrin ketone	1		6.09	6.06	6.12	0.369		8.1
	2		6.87	6.84	6.90	0.401		

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-183216/1-A

Matrix: Water Lab File ID: 25_74047.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 05/21/2014 06:23

Sample wt/vol: 250(mL) Date Analyzed: 05/22/2014 10:08

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPII ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 183531 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	ND		0.050	0.0092
72-55-9	4,4'-DDE	ND		0.050	0.012
50-29-3	4,4'-DDT	ND		0.050	0.011
309-00-2	Aldrin	ND		0.050	0.0081
319-84-6	alpha-BHC	ND		0.050	0.0077
5103-71-9	cis-Chlordane	ND		0.050	0.015
319-85-7	beta-BHC	ND		0.050	0.025
319-86-8	delta-BHC	0.0121	J	0.050	0.010
60-57-1	Dieldrin	ND		0.050	0.0098
959-98-8	Endosulfan I	ND		0.050	0.011
33213-65-9	Endosulfan II	ND		0.050	0.012
1031-07-8	Endosulfan sulfate	ND		0.050	0.016
72-20-8	Endrin	ND		0.050	0.014
7421-93-4	Endrin aldehyde	ND		0.050	0.016
53494-70-5	Endrin ketone	ND		0.050	0.012
58-89-9	gamma-BHC (Lindane)	ND		0.050	0.0080
5103-74-2	trans-Chlordane	ND		0.050	0.011
76-44-8	Heptachlor	ND		0.050	0.0085
1024-57-3	Heptachlor epoxide	ND		0.050	0.0074
72-43-5	Methoxychlor	ND		0.050	0.014
8001-35-2	Toxaphene	ND		0.50	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	43		20-120
877-09-8	Tetrachloro-m-xylene	73		36-120

FORM I
PESTICIDES ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 480-183479/1-A

Matrix: Water Lab File ID: 5_11067.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3510C Date Extracted: 05/22/2014 06:42

Sample wt/vol: 250(mL) Date Analyzed: 05/23/2014 08:50

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: RTX-CLPI ID: 0.53(mm)

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 183751 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
72-54-8	4,4'-DDD	0.0111	J	0.050	0.0092
72-55-9	4,4'-DDE	ND		0.050	0.012
50-29-3	4,4'-DDT	ND		0.050	0.011
309-00-2	Aldrin	ND		0.050	0.0081
319-84-6	alpha-BHC	0.0156	J	0.050	0.0077
5103-71-9	cis-Chlordane	ND		0.050	0.015
319-85-7	beta-BHC	ND		0.050	0.025
319-86-8	delta-BHC	ND		0.050	0.010
60-57-1	Dieldrin	ND		0.050	0.0098
959-98-8	Endosulfan I	ND		0.050	0.011
33213-65-9	Endosulfan II	ND		0.050	0.012
1031-07-8	Endosulfan sulfate	ND		0.050	0.016
72-20-8	Endrin	ND		0.050	0.014
7421-93-4	Endrin aldehyde	ND		0.050	0.016
53494-70-5	Endrin ketone	ND		0.050	0.012
58-89-9	gamma-BHC (Lindane)	ND		0.050	0.0080
5103-74-2	trans-Chlordane	ND		0.050	0.011
76-44-8	Heptachlor	ND		0.050	0.0085
1024-57-3	Heptachlor epoxide	ND		0.050	0.0074
72-43-5	Methoxychlor	ND		0.050	0.014
8001-35-2	Toxaphene	ND		0.50	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	32		20-120
877-09-8	Tetrachloro-m-xylene	66		36-120

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: OW-35 MS Lab Sample ID: 480-60169-1 MS

Instrument ID (1): HP5890-13 Instrument ID (2): HP5890-13

Date Analyzed (1): 05/28/2014 22:23 Date Analyzed (2): 05/28/2014 22:23

GC Column (1): RTX-CLPI ID: 0.32(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		13.75	13.73	13.79	4.44		26.4
	2		16.21	16.19	16.25	3.41		
Silvex (2,4,5-TP)	1		15.08	15.06	15.12	3.68		3.0
	2		18.31	18.28	18.34	3.57		
2,4,5-T	1		15.59	15.57	15.63	3.10		29.6
	2		19.23	19.20	19.26	4.18		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

Client Sample ID: OW-35 MSD Lab Sample ID: 480-60169-1 MSD

Instrument ID (1): HP5890-13 Instrument ID (2): HP5890-13

Date Analyzed (1): 05/28/2014 22:53 Date Analyzed (2): 05/28/2014 22:53

GC Column (1): RTX-CLPI ID: 0.32(mm) GC Column (2): RTX-CLPII ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
2,4-D	1		13.75	13.73	13.79	6.06		52.3
	2		16.21	16.19	16.25	3.55		
Silvex (2,4,5-TP)	1		15.08	15.06	15.12	3.82		7.7
	2		18.31	18.28	18.34	3.54		
2,4,5-T	1		15.59	15.57	15.63	3.15		27.6
	2		19.23	19.20	19.26	4.15		

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

ICV Source: MEI_10_CCVL_00030 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00030

Analyte	ICVL 480-183497/7 05/21/2014 13:12				CCVL 480-183497/28 05/21/2014 18:38				CCVL 480-183497/40 05/21/2014 19:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0159		0.0150	106	0.0137	J	0.0150	91	0.0148	J	0.0150	98
Barium	0.00209		0.00200	105	0.00248		0.00200	124	0.00212		0.00200	106
Cadmium	0.00202		0.00200	101	0.00218		0.00200	109	0.00219		0.00200	110
Chromium	0.00408		0.00400	102	0.00435		0.00400	109	0.00422		0.00400	106
Lead	0.00922	J	0.0100	92	0.0101		0.0100	101	0.00942	J	0.0100	94
Selenium	0.0251		0.0250	100	0.0238	J	0.0250	95	0.0263		0.0250	105
Silver	0.00583	J	0.00600	97	0.00591	J	0.00600	99	0.00590	J	0.00600	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

ICV Source: MEI_10_CCVL_00030 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00030

Analyte	CCVL 480-183497/47 05/21/2014 20:03											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0147	J	0.0150	98								
Barium	0.00238		0.00200	119								
Cadmium	0.00200		0.00200	100								
Chromium	0.00388	J	0.00400	97								
Lead	0.00993	J	0.0100	99								
Selenium	0.0245	J	0.0250	98								
Silver	0.00581	J	0.00600	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

ICV Source: MEI_10_CCVL_00030 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00030

Analyte	ICVL 480-183499/7 05/21/2014 13:12				CCVL 480-183499/16 05/21/2014 21:11				CCVL 480-183499/23 05/21/2014 21:42			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0159		0.0150	106	0.0148	J	0.0150	99	0.0139	J	0.0150	93
Barium	0.00209		0.00200	105	0.00224		0.00200	112	0.00209		0.00200	105
Cadmium	0.00202		0.00200	101	0.00202		0.00200	101	0.00210		0.00200	105
Chromium	0.00408		0.00400	102	0.00369	J	0.00400	92	0.00405		0.00400	101
Lead	0.00922	J	0.0100	92	0.00953	J	0.0100	95	0.00976	J	0.0100	98
Selenium	0.0251		0.0250	100	0.0253		0.0250	101	0.0240	J	0.0250	96
Silver	0.00583	J	0.00600	97	0.00564	J	0.00600	94	0.00583	J	0.00600	97

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: Eurofins TestAmerica, Buffalo Job No.: 480-60169-1

SDG No.:

ICV Source: MEI_10_CCVL_00030 Concentration Units: mg/L

CCV Source: MEI_10_CCVL_00030

Analyte	CCVL 480-183499/35 05/21/2014 22:19				CCVL 480-183499/47 05/21/2014 22:53							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.0147	J	0.0150	98	0.0136	J	0.0150	91				
Barium	0.00203		0.00200	102	0.00300		0.00200	150				
Cadmium	0.00211		0.00200	106	0.00193	J	0.00200	97				
Chromium	0.00400		0.00400	100	0.00449		0.00400	112				
Lead	0.00911	J	0.0100	91	0.00991	J	0.0100	99				
Selenium	0.0233	J	0.0250	93	0.0251		0.0250	100				
Silver	0.00505	J	0.00600	84	0.00603		0.00600	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2017 Remedial Investigation (These DUSRs include samples that are not part of the monitoring program and are not discussed in this report)

OW-1, OW-14BR & OW-21

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd., Wheatfield
TestAmerica Laboratories, Inc. SDG#480-123304-1
November 22, 2017
Sampling date: 8/28/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers, project located at Nash Rd., Wheatfield, Project #932054, TestAmerica Laboratories, Inc., SDG#480-123304-1, submitted to Vali-Data of WNY, LLC on October 13, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use.

Samples; NS-OW22-GW, NS-OW21-GW, NS-OW1-GW and NS-OWD-GW were diluted due to foaming.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met except the pH of NS-OW1-GW was outside QC limits. This sample was analyzed within seven days of collection, so no further action is required.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of several target analytes was outside QC limits in NS-OW23-GWMSD but within limits in NS-OW23-GWMS, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of 4-Nitrophenol was outside ASP QC limits, high in NS-OW1-GWMS/MSD and should be qualified as estimated in NS-OW1-GWMS/MSD and NS-OW1-GWMS/MSD, if detected.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of 4-Nitrophenol was outside the outer ASP QC limits in CCVIS 480-374591/3 and should be qualified as estimated in the blank, spikes and samples.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation

- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX was outside QC limits, high off column RTX-CLP I in NS-OW1-GW. This surrogate should be qualified as estimated in the associated sample.
The %Rec of a couple of surrogates was outside laboratory QC limits but within ASP limits, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except gamma-BHC and alpha-BHC were detected in NS-OWD-GW but were not detected in NS-OW1-GW.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Endosulfan Sulfate was outside ASP QC limits, high in LCS 480-374344/2-A. This target analyte was not detected in the sample, so no further action is required.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDT was outside QC limits between the two columns in sample NS-OW21-GW and should be qualified as estimated. The RPD of gamma-BHC was outside QC limits between the two columns in sample NS-OWD-GW and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples, MS/MSD and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1260 in LCS 480-374461/2-A and should be qualified as estimated.

MS/MSD
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1260 in NS-OW23-GWMS/MSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on the target analytes and surrogates in which the %RSD was >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1221 peak 1 was outside QC limits off column ZB-5 in CCV 480-374627/5. The %D of Aroclor 1262 peak 4 was outside QC limits off column ZB-5 in CCV 480-374627/6. The %D of Aroclor 1232 peaks 3 and 5 was outside QC limits off column ZB-35 in CCV 480-374627/6. The %D of Aroclor 1016 peak 5 was outside QC limits off column ZB-35 in CCV 480-374627/30. ASP requires three conforming peaks, so no further action is required.
The %D of Aroclor 1016 peaks 1-5 and Aroclor 1260 peaks 1, 2, 4, 5 and DCBP was outside QC limits off column ZB-35 in CCVIS 480-374627/4. The %D of Aroclor 1221 peaks 1 and 2 and Aroclor 1254 peaks 1-5 was outside QC limits off column ZB-35 in CCV 480-374627/5. The %D

of Aroclor 1262 peaks 1-5 was outside QC limits off column ZB-35 in CCV 480-374627/6. The %D of Aroclor 1242 peaks 2-5 and Aroclor 1268 peaks 1-4 were outside QC limits off column ZB-35 in CCV 480-374627/7. The %D of Aroclor 1248 peaks 1, 4 and 5 off column ZB-35 was outside QC limits in CCV 480-374627/8. The %D of Aroclor 1260 peaks 2, 4 and 5 was outside QC limits off column ZB-35 in CCV 480-374627/30. These target analytes should be qualified as estimated in the associated samples off the associated column.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Al, Mn and Zn were detected in MB 480-374343/1-B above the MDL, below the reporting limit and are qualified as estimated. Cu and Mn were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-374277/1-A. Mn and Na were detected above the MDL, below the reporting limit and are qualified as estimated in CCB 480-374572/19. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Cr was outside ASP QC limits, high, in ICVL 480-374772/7. The %Rec of Cu and V was outside ASP QC limits, high, in CCVL 480-374772/20. The %Rec of Cu and Se was outside ASP QC limits, high, in CCVL 480-374754/49. Associated samples, blanks and spikes in which these target analytes were detected above the MDL should be qualified as estimated high.
The %Rec of Fe and Ag was outside ASP QC limits, low, in ICVL 480-374772/7. The %Rec of As, Co, Fe, Ni and K was outside ASP QC limits, low, in CCVL 480-374772/20. The %Rec of Fe, Se and Ag was outside ASP QC limits, low, in CCVL 480-374772/32. The %Rec of As, Co, Fe, Ni and Se was outside ASP QC limits, low, in CCVL 480-374772/44. The %Rec of Ag was outside ASP QC limits, low, in CCVL 480-374754/49. The %Rec of As and V was outside ASP QC limits, low, in CCVL 480-374754/60. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Alkalinity
- Chloride/Sulfate

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

ALKALINITY
All criteria were met.

CHLORIDE/SULFATE
All criteria were met except the concentration of Sulfate in NS-OW23-GWMS/MSD and should be qualified as estimated in NS-OW23-GWMS/MSD and NS-OW23-GW, if detected.
All of the samples except NS-SD2-GW were diluted.

OW-16 & OW-35

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd., Wheatfield
TestAmerica Laboratories, Inc. SDG#480-123420-1
November 28, 2017
Sampling date: 8/30/2017

Prepared by:
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Vali-Data of WNY, LLC
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers, project located at Nash Rd., Wheatfield, Project #932054, TestAmerica Laboratories, Inc., SDG#480-123420-1, submitted to Vali-Data of WNY, LLC on October 13, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Laboratory Control Samples.

Sample; NS-OW35-GW was diluted due to high target analyte concentrations.
Samples; NS-OW16-GW, NS-OW32-GW and NS-OWD-GW were diluted due to foaming.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met except the pH of NS-OW16-GW and NS-OWD-GW was outside QC limits. These samples were analyzed within 7 days of collection, so no further action is required.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 1,1,2,2-Tetrachloroethane was outside QC limits, high in LCS 480-375300/5. This target analyte should be qualified as estimated high in the associated samples, if detected.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.
The %D of some target analytes were outside laboratory QC limits but were within ASP limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the concentration of 3,3'-Dichlorobenzidine exceeded the initial calibration in LCS/SD 480-374940/2-A/3-A and should be qualified with an 'E'. This target analyte should be qualified as estimated in the associated samples, if detected.
The %Rec of 3,3'-Dichlorobenzidine and 4,6-Dinitro-2-methylphenol was outside QC limits, high in LCS/SD 480-374940/2-A/3-A and should be qualified as estimated in the associated samples, if detected.

MS/MSD
All criteria were met except the %Rec of 4-Chloro-3-methylphenol, 2,4-Dinitrotoluene and Pentachlorophenol was outside ASP QC limits, high in NS-OW35-GWMS/MSD. These target analytes should be qualified as estimated in NS-OW35-GW, NS-OWD-GW and NS-OW35-GWMS/MSD, if detected.
The %Rec of 3,3'-Dichlorobenzidine was outside QC limits, low in NS-OW35-GWMS/MSD. This target analyte should be qualified as estimated in NS-OW35-GW, NS-OWD-GW and NS-OW35-GWMS/MSD.
The RPD of 2,6-Dinitriotoluene, 2-Nitroaniline, 3,3'Dichlorobenzidine, 3-Nitroaniline, 4-Nitrophenol, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(g,h,i)perylene Bis(2-ethylhexyl)phthalate, Chrysene, Di-n-octyl phthalate, Dibenz(a,h)anthracene, Indeno(1,2,3-cd)pyrene and N-nitrosodiphenylamine was outside QC limits between NS-OW35-GWMS and NS-OW35-GWMSD and should be qualified as estimated in NS-OW35-GW, NS-OWD-GW and NS-OW35-GWMS/MSD.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met except alpha-BHC was detected in NS-OW16-GW but was not detected in NS-OWD-GW. 4,4'-DDD was detected in NS-OWD-GW but was not detected in NS-OW16-GW.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD of Endrin aldehyde was outside QC limits between the two columns in LCS 480-374875/2-A and LSCD 480-374875/3-A. This target analyte should be qualified as estimated in LCS 480-374875/2-A and LSCD 480-374875/3-A.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of alpha-BHC was outside QC limits between the two columns in sample NS-OW16-GW and should be qualified as estimated. The RPD of 4,4'-DDT was outside QC limits between the two columns in sample NS-OW2-GW and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Toxaphene peaks 4 and 5 was outside QC limits off column RTX-CLPII in CCV 480-374979/7. ASP requires three peaks to be compliant, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries

- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except DCBP off column ZB-35 was outside ASP QC limits, low in NS-OW16-GW and should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on the target analytes and surrogates in which the %RSD was >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1016 peak 2 was outside QC limits off column ZB-5 in CCVIS 480-375251/4. The %D of Aroclor 1260 peak 1 was outside QC limits off column ZB-35 in CCVIS 480-375251/4. The %D of Aroclor 1254 peak 3 was outside QC limits off column ZB-5 in CCV 480-375251/5. The %D of Aroclor 1232 peak 5 was outside QC limits off both columns in CCV 480-375251/6. The %D of Aroclor 1248 peaks 2 and 3 was outside QC limits off column ZB-5 in CCV 480-375251/8. The %D of Aroclor 1016 peak 2 was outside QC limits off column ZB-5 in CCV 480-375251/30. The %D of Aroclor 1016 peak 4 was outside QC limits off column ZB-35 in CCV 480-375251/30. ASP requires three conforming peaks, so no further action is required.
The %D of Aroclor 1260 peaks 1-5 was outside QC limits off column ZB-5 in CCVIS 480-375251/4. The %D of Aroclor 1221 peak 1 was outside QC limits off column ZB-5 in CCV 480-375251/5. The %D of Aroclor 1254 peaks 1, 3, 4, 5 was outside QC limits off column ZB-35 in CCV 480-375251/5. The %D of Aroclor 1262 peaks 1-5 was outside QC limits off column ZB-5 in CCV 480-375251/6. The %D of Aroclor 1262 peaks 1-3 was outside QC limits off column ZB-35 in CCV 480-375251/6. The %D of Aroclor 1268 peaks 1, 2, 5 was outside QC limits off column ZB-5 in CCV 480-375251/7. The %D of Aroclor 1268 peaks 1, 2, 5 was outside QC limits off column ZB-35 in CCV 480-375251/7. The %D of Aroclor 1260 peaks 1-5 was outside QC limits off column ZB-5 in CCV 480-375251/30. The %D of Aroclor 1260 peaks 1-4 was outside QC limits off column ZB-35 in CCV 480-375251/30. These target analytes should be qualified as estimated in the associated samples off the associated column.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution

-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

The samples arrived at the laboratory unpreserved but were preserved by the laboratory within QC limits, so no further action is required.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Ca and Mn were detected in MB 480-374738/1-A above the MDL, below the reporting limit and is qualified as estimated. Zn was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-374984/1-B. Zn was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-375388/29, 35 and CCB 480-375823/18, 23. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
No MS/MSD was acquired.

FIELD DUPLICATE
All criteria were met.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Zn was outside ASP QC limits, high, in ICVL 480-375338/7 and CCVL 480-375593/30. The %Rec of Cr and V was outside ASP QC limits, high, in ICVL 480-375173/7. The %Rec of Ba, Cr, Cu and Na was outside ASP QC limits, high, in CCVL 480-375173/19. The %Rec of Cr was outside ASP QC limits, high, in CCVL 480-375173/24 and CCVL 480-375173/48. The %Rec of Ba, Cr and Mn was outside ASP QC limits, high, in CCVL 480-375173/36. The %Rec of Ba was outside ASP QC limits, high, in CCVL 480-375173/57. The %Rec of Zn was outside ASP QC limits, high, in ICVL 480-375446/7 and CCVL 480-375446/17, 29, 36. The %Rec of Zn was outside ASP QC limits, high, in ICVL 480-375823/7 and CCVL 480-375823/19, 21. Associated samples, blanks and spikes in which these target analytes were detected above the MDL should be qualified as estimated high.
The %Rec of Al and As was outside ASP QC limits, low, in CCVL 480-375173/24. The %Rec of As and Ag was outside ASP QC limits, low, in CCVL 480-375173/36. The %Rec of Al, Fe and Ag was outside ASP QC limits, low, in CCVL 480-375173/48. The %Rec of Ag was outside ASP QC limits, low, in CCVL 480-375173/57. The %Rec of Al and Se was outside ASP QC limits, low, in ICVL 480-375446/7 and CCVL 480-375446/29, 36. The %Rec of Al, As and Cr was outside ASP QC limits, low, in CCVL 480-375446/17. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Alkalinity
- Chloride/Sulfate

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

All of the samples were diluted for Chloride and Sulfate due to high target analyte concentrations.

ALKALINITY
All criteria were met.

CHLORIDE/SULFATE
All criteria were met.

OW-31

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd., Wheatfield
TestAmerica Laboratories, Inc. SDG#480-123050-1
November 9, 2017
Sampling date: 8/22/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers, project located at Nash Rd., Wheatfield, Project #932054, TestAmerica Laboratories, Inc., SDG#480-123050-1, submitted to Vali-Data of WNY, LLC on October 13, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except Bis(2-ethylhexyl)phthalate was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-373789/1-A. This target analyte was not detected in the samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between LCS 480-373789/2-A and LCSD 480-373789/3-A was outside QC limits for Bis(2-ethylhexyl)phthalate. This target analyte should be qualified as estimated in the laboratory control samples and associated samples.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of 4-Nitrophenol was outside ASP outer QC limits in CCVIS 480-374270/3 and should be qualified as estimated in the associated blank, samples and spikes.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples

- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column RTX-CLPII was outside ASP QC limits, low in NS-OW-34-GW and should be qualified as estimated.

METHOD BLANK
All the criteria were met except alpha-BHC was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-373892/1-A. If this target analyte was detected in the associated samples below the reporting limit, it should be qualified as undetected at the reporting limit. If this target analyte was detected above the reporting limit in the associated samples, it should be qualified as estimated, high.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Endrin aldehyde in LCS 480-373892/2-A . This target analyte should be qualified as estimated in LCS 480-373892/2-A.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDT was outside QC limits between the two columns in sample NS-OW-34-GW and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1260 in LCS 480-373590/2-A and LCSD 480-373590/3-A and should be qualified as estimated in the laboratory control sample.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on the target analytes and surrogates in which the %RSD was >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1260 peak 1 was outside QC limits off column ZB-35 in CCVIS 480-373762/4. The %D of Aroclor 1254 peaks 1 and 3 off column ZB-5 and Aroclor 1254 peak 1 off column ZB-35 was outside QC limits in CCVIS 480-373762/5. The %D of Aroclor 1232 peak 5 and Aroclor 1262 peak 1 was outside QC limits off column ZB-35 in CCVIS 480-373762/6. The %D of Aroclor 1242 peaks 4 and 5 and Aroclor 1268 peak 2 was outside QC limits off column ZB-35 in CCVIS 480-373762/7. The %D of Aroclor 1248 peak 1 off column ZB-35 and Aroclor 1248 peak 5 off column ZB-35 were outside QC limits in CCVIS 480-373762/8. ASP requires three conforming peaks, so no further action is required.

The %D of Aroclor 1260 peaks 1-4 and TCMX was outside QC limits off column ZB-5 in CCVIS 480-373762/4. The %D of Aroclor 1221 peak 3 was outside QC limits off column ZB-35 in CCVIS 480-373762/5. The %D of Aroclor 1262 peaks 1,2 and 4 was outside QC limits off column ZB-5 in CCVIS 480-373762/6. The %D of Aroclor 1242 peak 1, 2 and 4 and Aroclor 1268 peaks 1-3 was outside QC limits off column ZB-5 in CCVIS 480-373762/7. These target analytes should be qualified as estimated in the associated samples off the associated column.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

The samples arrived at the laboratory unpreserved but were preserved by the laboratory within QC limits, so no further action is required.
Sample, NS-OW-31-GW was diluted for lead due to the presence of sulfur.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Mn was detected in MB 480-373796/1-A above the MDL, below the reporting limit and is qualified as estimated. Cu and Mn were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-373533/1-B. Zn was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-374565/1-B. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
No MS/MSD was acquired.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
No serial dilution was performed.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Pb was outside ASP QC limits, high, in CCVL 480-374370/27. Associated samples, blanks and spikes in which this target analyte was detected above the MDL should be qualified as estimated high.
The %Rec of Al and Se was outside ASP QC limits, low, in CCVL 480-374188/19. The %Rec of As was outside ASP QC limits, low, in CCVL 480-374188/24 and CCVL 480-374190/23. The %Rec of Se was outside ASP QC limits, low, in CCVL 480-374188/48 and CCVL 480-374190/35. The %Rec of Al was outside ASP QC limits, low, in CCVL 480-374188/57 and CCVL 480-374190/19. The %Rec of As and Se was outside ASP QC limits, low, in CCVL 480-374190/45. The %Rec of Hg was outside ASP QC limits, low, in ICVL 480-373821/3 and CCVL 480-373821/82. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Alkalinity
- Chloride/Sulfate

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

ALKALINITY
All criteria were met.

CHLORIDE/SULFATE
All criteria were met.

OW-36, OW-37, LPZ-01S & LPZ-08S

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd., Wheatfield
TestAmerica Laboratories, Inc. SDG#480-123342-1
November 27, 2017
Sampling date: 8/29/2017

Prepared by:
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers, project located at Nash Rd., Wheatfield, Project #932054, TestAmerica Laboratories, Inc., SDG#480-123342-1, submitted to Vali-Data of WNY, LLC on October 13, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

Sample, NS-OW36-GW was diluted due to high target analyte concentrations.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of 2,4,6-Tribromophenol was outside QC limits, high in NS-OW36-GW. Associated target analytes detected in this sample should be qualified as estimated high.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the concentration of 3,3'-Dichlorobenzidine exceeded the initial calibration in LCS/SD 480-374524/2-A/3-A and should be qualified with an 'E'. This target analyte should be qualified as estimated in the associated samples, if detected.
The %Rec of 3,3'-Dichlorobenzidine and 4,6-Dinitro-2-methylphenol was outside QC limits, high in LCS/SD 480-374524/2-A/3-A and should be qualified as estimated in the associated samples, if detected.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports

- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX was outside QC limits, high off column RTX-CLP I in NS-OW36-GW and should be qualified as estimated.
The %Rec of a couple of surrogates was outside laboratory QC limits but within ASP limits, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Endosulfan sulfate was outside ASP QC limits, high in LSC 480-374528/2-A and LCSD 480-374528/3-A. This target analyte should be qualified as estimated in LSC 480-374528/2-A and LCSD 480-374528/3-A and associated samples in which it was detected.
The %Rec of Endrin was outside QC limits in LCSD 480-374528/3-A but within limits in LSC 480-374528/2-A, so no further action is required.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of alpha-BHC was outside QC limits between the two columns in sample NS-LPZ02S-GW and should be qualified as estimated. The RPD of beta-BHC was outside QC limits between the two columns in sample NS-LPZ08S-GW and should be qualified as estimated. The RPD of Aldrin was outside QC limits between the two columns in sample NS-OW36-GW and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Toxaphene peak 5 was outside QC limits off column RTX-CLPII in CCV 480-374637/7. ASP requires three peaks to be compliant, so no further action is required.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration

- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except TCMX off column ZB-5 was outside laboratory QC limits in LCS 480-374652/2-A but within ASP limits, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Aroclor 1016 in LCS 480-374652/2-A was outside QC limits and should be qualified as estimated. The %Rec of Aroclor 1260 in LCS 480-374652/2-A was outside laboratory QC limits but within ASP limits, so no further action is required.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on the target analytes and surrogates in which the %RSD was >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1260 peak 1 was outside QC limits off column ZB-35 in CCVIS 480-374834/4. The %D of Aroclor 1254 peaks 3 and 5 was outside QC limits off column ZB-35 in CCV 480-374834/5. The %D of Aroclor 1016 peak 2 was outside QC limits off column ZB-5 in CCV 480-374834/30. ASP requires three conforming peaks, so no further action is required.
The %D of Aroclor 1016 peaks 1, 2, 4 and 5 and Aroclor 1260 peaks 1, 2, 4, 5 was outside QC limits off column ZB-5 in CCVIS 480-374834/4. The %D of Aroclor 1016 peaks 1, 2, 4 and 5, TCMX and DCBP was outside QC limits off column ZB-35 in CCVIS 480-374834/4. The %D of Aroclor 1221 peaks 1-4 and Aroclor 1254 peaks 1-5 were outside QC limits off column ZB-5 in CCV 480-374834/5. The %D of Aroclor 1221 peaks 1, 3, 4 was outside QC limits off column ZB-35 in CCV 480-374834/5. The %D of Aroclor 1232 peaks 1-4 and Aroclor 1262 peaks 1-3 were outside QC limits off column ZB-5 in CCV 480-374834/6. The %D of Aroclor 1232 peaks 2, 3, 4 was outside QC limits off column ZB-35 in CCV 480-374834/6. The %D of Aroclor 1242 peaks 1-5 and Aroclor 1268 peaks 1, 2, 4 was outside QC limits off column ZB-5 in CCV 480-374834/7. The %D of Aroclor 1242 peaks 2, 3, 4 was outside QC limits off column ZB-35 in CCV 480-374834/7. The %D of Aroclor 1248 peaks 1, 3-5 off column ZB-5 and Aroclor 1248 peaks 2-5 off column ZB-35 was outside QC limits in CCV 480-374834/8. The %D of Aroclor 1260 peaks 1, 2, 4, 5 and TCMX was outside QC limits off column ZB-5 in CCV 480-374834/30. The %D of Aroclor 1016 peaks 1-5, TCMX and DCBP was outside QC limits off column ZB-35 in CCV 480-374834/30. These target analytes should be qualified as estimated in the associated samples off the associated column.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

The samples arrived at the laboratory unpreserved but were preserved by the laboratory within QC limits, so no further action is required.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Mn was detected in MB 480-374525/1-A above the MDL, below the reporting limit and is qualified as estimated. Mn and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-374567/1-B. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

FIELD DUPLICATE
All criteria were met except Al and Pb were detected above the MDL, below the reporting limit in NS-LPZD-GW but were not detected in NS-LPZ01S-GW. Fe was detected above the MDL, below the reporting limit in NS-LPZD-GW(diss) but was not detected in NS-LPZ01S-GW(diss).

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Cu and Se was outside ASP QC limits, high, in CCVL 480-374754/49. The %Rec of Se was outside ASP QC limits, high, in CCVL 480-374754/95. The %Rec of Cr and Se was outside ASP QC limits, high, in ICVL 480-374966/7. The %Rec of Cr was outside ASP QC limits, high, in CCVL 480-374966/50 and CCVL 480-374966/58. Associated samples, blanks and spikes in which these target analytes were detected above the MDL should be qualified as estimated high.
The %Rec of Ag was outside ASP QC limits, low, in CCVL 480-374754/49. The %Rec of As and V was outside ASP QC limits, low, in CCVL 480-374754/60. The %Rec of Ag was outside ASP QC limits, low, in CCVL 480-374754/84. The %Rec of Ag and As was outside ASP QC limits, low, in CCVL 480-374754/95. The %Rec of Pb was outside ASP QC limits, low, in ICVL 480-374966/7. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Alkalinity
- Chloride/Sulfate

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

All of the samples except NS-OW36-GW were diluted for Chloride and Sulfate due to high target analyte concentrations.

ALKALINITY
All criteria were met except there was a detect above the MDL, below the reporting limit in CCB29 batch# 374778. Associated target analytes that were detected above the reporting limit and should be qualified as estimated high.

CHLORIDE/SULFATE
All criteria were met.

LPZ-03S, LPZ-04S, LPZ-05S & LPZ-06S

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd., Wheatfield
TestAmerica Laboratories, Inc. SDG#480-123019-1
November 8, 2017
Sampling date: 8/21/2017

Prepared by:
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers, project located at Nash Rd., Wheatfield, Project #932054, TestAmerica Laboratories, Inc., SDG#480-123019-1, submitted to Vali-Data of WNY, LLC on October 13, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

Samples, NS-LPZ-04S-GW, NS-LPZ-05S-GW and NS-LPZ-07S-GW were diluted due to foaming.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Method Blank, Laboratory Control Samples and Compound Quantitation.

Sample, NS-LPZ-03S-GW was treated with Copper due to the presence of Sulfur in the sample.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met except gamma-BHC was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-373350/1-A. If this target analyte was detected in the associated samples below the reporting limit, it should be qualified as undetected at the reporting limit. If this target analyte was detected above the reporting limit in the associated samples, it should be qualified as estimated, high.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Endrin aldehyde in LCS 480-373350/2-A and alpha-Chlordane in LCSD 480-373350/3-A. These target analytes should be qualified as estimated in the associated laboratory control sample.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDD was outside QC limits between the two columns in sample NS-LPZ-06S-GW. The RPD of alpha-BHC was outside QC limits between the two columns in sample NS-LPZ-07S-GW. These target analytes should be qualified as estimated in the associated samples.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1260 in LCS 480-373590/2-A and LCSD 480-373590/3-A and should be qualified as estimated in the laboratory control samples.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on the target analytes and surrogates in which the %RSD was >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1260 peak 1 was outside QC limits off column ZB-35 in CCVIS 480-373762/4. The %D of Aroclor 1254 peaks 1 and 3 off column ZB-5 and Aroclor 1254 peak 1 off column ZB-35 was outside QC limits in CCVIS 480-373762/5. The %D of Aroclor 1232 peak 5 and Aroclor 1262 peak 1 was outside QC limits off column ZB-35 in CCVIS 480-373762/6. The %D of Aroclor 1242 peaks 4 and 5 and Aroclor 1268 peak 2 was outside QC limits off column ZB-35 in CCVIS 480-373762/7. The %D of Aroclor 1248 peak 1 off column ZB-35 and Aroclor 1248 peak 5 off column ZB-35 was outside QC limits in CCVIS 480-373762/8. ASP requires three conforming peaks, so no further action is required.

The %D of Aroclor 1260 peaks 1-4 and TCMX was outside QC limits off column ZB-5 in CCVIS 480-373762/4. The %D of Aroclor 1221 peak 3 was outside QC limits off column ZB-35 in CCVIS 480-373762/5. The %D of Aroclor 1262 peaks 1,2 and 4 was outside QC limits off column ZB-5 in CCVIS 480-373762/6. The %D of Aroclor 1242 peak 1, 2 and 4 and Aroclor 1268 peaks 1-3 was outside QC limits off column ZB-5 in CCVIS 480-373762/7. These target analytes should be qualified as estimated in the associated blanks, spikes and samples off the associated column.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

The samples arrived at the laboratory unpreserved but were preserved by the laboratory within QC limits, so no further action is required.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Mn was detected in MB 480-373796/1-A above the MDL, below the reporting limit and is qualified as estimated. Cu and Mn were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-373533/1-B. Zn was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-374565/1-B. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Pb was outside ASP QC limits, high, in ICVL 480-374370/27 and CCVL 480-374371/21. Associated samples, blanks and spikes in which this target analyte was detected above the MDL should be qualified as estimated high.
The %Rec of Al and Se was outside ASP QC limits, low, in CCVL 480-374188/19. The %Rec of As was outside ASP QC limits, low, in CCVL 480-374188/24 and CCVL 480-374190/23. The %Rec of Se was outside ASP QC limits, low, in CCVL 480-374188/48 and CCVL 480-374190/35. The %Rec of Al was outside ASP QC limits, low, in CCVL 480-374188/57. The %Rec of As and Se was outside ASP QC limits, low, in CCVL 480-374190/45. The %Rec of Hg was outside ASP QC limits, low, in ICVL 480-373821/3 and CCVL 480-373821/82. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Alkalinity
- Chloride/Sulfate

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

ALKALINITY
All criteria were met.

CHLORIDE/SULFATE
All criteria were met except samples, NS-LPZ-04S-GW, NS-LPZ-05S-GW, NS-LPZ-07S-GW, NS-LPZ-03S-GW and NS-LPZ-06S-GW were diluted due to high target analyte concentration.

LPZ-11S & LPZ-12S

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd., Wheatfield
TestAmerica Laboratories, Inc. SDG#480-124643-1
November 30, 2017
Reissued March 16, 2018
Sampling date: 9/21/2017

Prepared by:
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package (reissued; March 16, 2018) for LiRo Engineers, project located at Nash Rd., Wheatfield, Project #932054, TestAmerica Laboratories, Inc., SDG#480-124643-1, submitted to Vali-Data of WNY, LLC on October 13, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below in Surrogate Spike Recoveries and MS/MSD.

Sample; NS-LPZ12S-GW was diluted due to foaming.

DATA COMPLETENESS

All criteria were met.

NARRATIVE AND DATA REPORTING FORMS

All criteria were met.

Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of Toluene-d_8 was outside ASP QC limits, low in NS-LPZ12S-GW, NS-LPZ09S-GW, NS-LPZD-GW and MB 480-378703/7. Associated target analytes in these samples should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Ethyl benzene and Isopropyl benzene was outside QC, high limits in NS-LPZ11S-GWMS/MSD. These target analytes should be qualified as estimated in NS-LPZ11S-GW and NS-LPZ11S-GWMS/MSD, if detected.
Toluene was outside laboratory QC limits but within ASP limits, so no further action is required.
Tetrachloroethene was outside QC limits in NS-LPZ11S-GWMSD but within limits in NS-LPZ11S-GWMS, so no further action is required.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Vinyl Chloride was outside QC limits in CCVIS 480-378703/3. ASP allows for up to two target analytes to be outside QC limits without further action.
The %D of some target analytes was outside laboratory QC limits but within ASP limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Surrogate Spike Recoveries, Laboratory Control Samples and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of Nitrobenzene-d_5 and 2,4,6-Tribromophenol were outside QC limits, high in NS-LPZD-GW. Associated target analytes detected in this sample should be qualified as estimated high.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the concentration of 3,3'-Dichlorobenzidine exceeded the initial calibration in LCS/SD 480-377953/2-A/3-A and should be qualified with an 'E'. This target analyte should be qualified as estimated in the associated samples, if detected.
The %Rec of Carbazole, 3,3'-Dichlorobenzidine and 3-Nitroaniline was outside QC limits, high in LCS 480-378294/2-A and should be qualified as estimated in the associated samples, if detected.

MS/MSD
All criteria were met except the %Rec of 4-Chloro-3-methylphenol, 4-Nitrophenol and 2,4-Dinitrotoluene was outside QC limits, high in NS-LPZ11S-GWMS/MSD and should be qualified as estimated in NS-LPZ11S-GW and NS-LPZ11S-GWMS/MSD, if detected.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples, Compound Quantitation and MS/MSD.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Endosulfan sulfate was outside ASP QC limits, high in LCS 480-378303/2-A and should be qualified as estimated in the associated samples, if detected.
The RPD on Endrin aldehyde was outside QC limits between the columns in LCS 480-378303/2-A and should be qualified as estimated.

MS/MSD
All criteria were met except the %Rec of Endosulfan sulfate was outside QC limits in NS-LPZ11S-GWMSD but was within limits in NS-LPZ11S-GWMS, so no further action is required.
The RPD on Methoxychlor was outside QC limits between the columns in NS-LPZ11S-GWMS and should be qualified as estimated. The RPD on Methoxychlor, gamma-BHC and Endosulfan sulfate was outside QC limits between the columns in NS-LPZ11S-GWMSD and should be qualified as estimated.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDD and beta-BHC was outside QC limits between the columns in NS-LPZ09S-GW and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank

- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column ZB-35 was outside QC limits, low in NS-LPZ12S-GW and should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
All criteria were met.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except the RPD of Aroclor 1242 was outside QC limits between the columns in NS-LPZ09S-GW and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on the target analytes and surrogates in which the %RSD was >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1260 peak 2 was outside QC limits off column ZB-35 in CCVIS 480-378399/6. The %D of Aroclor 1242 peaks 4 and 5 was outside QC limits off column ZB-35 in CCV 480-378399/9. The %D of Aroclor 1248 peaks 2 and 3 was outside QC limits off column ZB-35 in CCV 480-378399/10. ASP requires three conforming peaks, so no further action is required.
The %D of Aroclor 1262 peaks 3-5 was outside QC limits off column ZB-35 in CCV 480-378399/8.
The %D of Aroclor 1268 peaks 1-5 was outside QC limits off column ZB-35 in CCV 480-378399/9.
These target analytes should be qualified as estimated in the associated samples off the associated column.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

The samples arrived at the laboratory unpreserved but were preserved by the laboratory within QC limits, so no further action is required.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Ca, Zn and Mn were detected in MB 480-378515/1-A above the MDL, below the reporting limit and are qualified as estimated. Ca and Mn were detected in CCB 480-378968/31 and CCB 480-378969/19 above the MDL, below the reporting limit and are qualified as estimated. Mn was detected in CCB 480-378969/35, CCB 480-378969/55 and CCB 480-379295/23 above the MDL, below the reporting limit and is qualified as estimated. Fe was detected in CCB 480-378969/47 above the MDL, below the reporting limit and is qualified as estimated. Fe and Mn were detected in CCB 480-379295/18 above the MDL, below the reporting limit and are qualified as estimated. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

FIELD DUPLICATE
All criteria were met except Cd was detected above the MDL, below the reporting limit in NS-LPZD-GW but was not detected in NS-LPZ09S-GW. V was detected above the MDL, below the reporting limit in NS- LPZ09S -GW but was not detected in NS-LPZD-GW. As and Cr were detected above the MDL, below the reporting limit in NS-LPZD-GW(diss) but were not detected in NS-LPZ09S-GW(diss).

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Cu was outside ASP QC limits, high, in CCV 480-378968/18, 30, 40 and CCV 480-378969/18, 22, 34. The %Rec of Al, Ba, Cr and Fe was outside ASP QC limits, high, in ICVL 480-378968/7 and ICVL 480-378969/7. The %Rec of Ba and Cr was outside ASP QC limits, high, in CCVL 480-378968/20. The %Rec of Al, Ba, Ca, Mn and Cr was outside ASP QC limits, high, in CCVL 480-378968/32 and CCVL 480-378969/20. The %Rec of Ba, Cu, Mn, K and Cr was outside ASP QC limits, high, in CCVL 480-378968/42. The %Rec of Cr, Cu, Mn and K was outside ASP QC limits, high, in CCVL 480-378969/24. The %Rec of Ba, Cr, Mg, Mn and K was outside ASP QC limits, high, in CCVL 480-378969/36. The %Rec of As, Ba and Cr was outside ASP QC limits, high, in CCVL 480-378969/48. The %Rec of Ba, Cr, Fe, Mn and Na was outside ASP QC limits, high, in CCVL 480-378969/56. The %Rec of Fe was outside ASP QC limits, high, in CCVL 480-379295/19. The %Rec of Fe and Mn was outside ASP QC limits, high, in CCVL 480-379295/24. The %Rec of Hg was outside ASP QC limits, high, in CCVL 480-378340/88. Associated samples, blanks and spikes in which these target analytes were detected above the MDL should be qualified as estimated high.
The %Rec of Ag was outside ASP QC limits, low, in CCVL 480-378968/20, 32, 42 and CCVL 480-378969/20, 24, 56. The %Rec of Fe was outside ASP QC limits, low, in ICVL 480-379046/7 and CCVL 480-379046/19, 29. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Alkalinity
- Chloride/Sulfate

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

All of the samples, except NS-LPZ12S-GW, were diluted for Chloride and Sulfate due to high target analyte concentrations.
Sample, NS-LPZ12S-GW was diluted due to screening results.

ALKALINITY
All criteria were met.

CHLORIDE/SULFATE

All criteria were met.

LDP-01, LDP-02, LDP-03 & LDP-04

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd., Wheatfield
TestAmerica Laboratories, Inc. SDG#480-123215-1
November 15, 2017
Sampling date: 8/24/2017

Prepared by:
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1514 Davis Rd.
West Falls, NY 14170

DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers, project located at Nash Rd., Wheatfield, Project #932054, TestAmerica Laboratories, Inc., SDG#480-123215-1, submitted to Vali-Data of WNY, LLC on October 13, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C) and Mercury (7470A).

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the concentration of 3,3'-Dichlorobenzidine exceeded the initial calibration in LCS/SD 480-374019/2-A/3-A and should be qualified with an 'E'. This target analyte should be qualified as estimated in the associated samples, if detected.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration

- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Method Blank, Laboratory Control Samples and Compound Quantitation.

Sample, NS-LDP-002-GW was diluted due to the sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column RTX-CLPII was outside ASP QC limits, low in NS-LDP-001-GW. The %Rec of TCMX was outside QC limits, high off column RTX-CLP I in NS-LDP-003-GW. These surrogates should be qualified as estimated in the associated sample. The %Rec of a couple of surrogates was outside QC limits in NS-LDP-002-GW. Due to dilution of this sample, no further action is required.

METHOD BLANK
All the criteria were met except alpha-BHC was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-373892/1-A. If this target analyte was detected in the associated samples below the reporting limit, it should be qualified as undetected at the reporting limit. If this target analyte was detected above the reporting limit in the associated samples, it should be qualified as estimated, high.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Endrin aldehyde in LCS 480-373892/2-A . This target analyte should be qualified as estimated in LCS 480-373892/2-A.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDD, alpha-BHC and Aldrin was outside QC limits between the two columns in sample NS-LDP-001-GW and should be qualified as estimated. The RPD of gamma-BHC was outside QC limits between the two columns in sample NS-LDP-002-GW and should be qualified as estimated. The RPD of 4,4'-DDD, Endosulfan I and 4,4'-DDT was outside QC limits between the two columns in sample NS-LDP-003-GW and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1016 and Aroclor 1260 in LCS 480-374278/2-A and LCSD 480-374278/3-A and should be qualified as estimated in the laboratory control sample.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on the target analytes and surrogates in which the %RSD was >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1016 peak 5 and Aroclor 1260 peaks 3 and 5 was outside QC limits off column ZB-5 in CCVIS 480-374407/6. The %D of Aroclor 1262 peak 4 was outside QC limits off column ZB-5 in CCV 480-374407/8. ASP requires three conforming peaks, so no further action is required.
The %D of Aroclor 1016 peaks 1-5 and Aroclor 1260 peaks 1, 2, 4, 5, DCBP and TCMX was outside QC limits off column ZB-35 in CCVIS 480-374407/6. The %D of Aroclor 1221 peaks 2 and 3 and Aroclor 1254 peaks 1-5 was outside QC limits off column ZB-35 in CCV 480-374407/7. The %D of Aroclor 1232 peaks 2-5 and Aroclor 1262 peaks 1-5 were outside QC limits off column ZB-35 in CCV 480-374407/8. The %D of Aroclor 1242 peaks 1-5 and Aroclor 1268 peaks 1-5 were outside QC limits off column ZB-35 in CCV 480-374407/9. The %D of Aroclor 1248 peaks 2, 3 and 5 off column ZB-5 and Aroclor 1248 peaks 2-5 was outside QC limits off column ZB-35 in CCV 480-374407/10. These target analytes should be qualified as estimated in the associated samples off the associated column.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

The samples arrived at the laboratory unpreserved but were preserved by the laboratory within QC limits, so no further action is required.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Mn was detected in MB 480-373992/1-A above the MDL, below the reporting limit and is qualified as estimated. K and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-373973/1-B. K was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-374374/18 and CCB 480-374381/60. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Cr and Ag was outside ASP QC limits, high, in ICVL 480-374374/7. The %Rec of As, Cr and K was outside ASP QC limits, high, in CCVL 480-374374/19. The %Rec of Cd, Se, Ag and K was outside ASP QC limits, high, in CCVL 480-374374/24. The %Rec of Cr and Zn was outside ASP QC limits, high, in CCVL 480-374374/36. The %Rec of Cr was outside ASP QC limits, high, in ICVL 480-374381/7. The %Rec of As, V and K was outside ASP QC limits, high, in CCVL 480-374381/50. The %Rec of V, Se, Zn and K was outside ASP QC limits,

high, in CCVL 480-374381/61. The %Rec of Cr, K, Se and Zn was outside ASP QC limits, high, in CCVL 480-374381/73. Associated samples, blanks and spikes in which these target analytes were detected above the MDL should be qualified as estimated high.
The %Rec of Se was outside ASP QC limits, low, in ICVL 480-374374/7. The %Rec of Tl was outside ASP QC limits, low, in CCVL 480-374374/19 and CCVL 480-374374/36. The %Rec of Tl and As was outside ASP QC limits, low, in CCVL 480-374374/24. The %Rec of Fe and Pb was outside ASP QC limits, low, in ICVL 480-374381/7. The %Rec of Fe was outside ASP QC limits, low, in CCVL 480-374381/50, CCVL 480-374381/61 and CCVL 480-374381/73. The %Rec of As was outside ASP QC limits, low, in CCVL 480-374479/17. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd., Wheatfield
TestAmerica Laboratories, Inc. SDG#480-123256-1
November 21, 2017
Sampling date: 8/25/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers, project located at Nash Rd., Wheatfield, Project #932054, TestAmerica Laboratories, Inc., SDG#480-123256-1, submitted to Vali-Data of WNY, LLC on October 13, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Volatile Organics (8260C), Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C), Mercury (7470A) and in accordance with general chemistry methods.

VOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

GC/MS PERFORMANCE CHECK
All criteria were met.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below in Laboratory Control Samples.

Sample; NS-LDP-004-GW was diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the concentration of 3,3'-Dichlorobenzidine exceeded the initial calibration in LCS/SD 480-374150/2-A/3-A and should be qualified with an 'E'. This target analyte should be qualified as estimated in the associated samples, if detected.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Pentachlorophenol was outside QC limits in CCVIS 480-374660/3. ASP allows for up to four target analytes to be outside QC limits without further action.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank

- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Compound Quantitation.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of TCMX was outside laboratory QC limits in NS-LDP-004-GW but was within ASP limits, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Endosulfan Sulfate was outside ASP QC limits, high in LCS 480-374344/2-A. This target analyte was not detected in the sample, so no further action is required.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met except the RPD of 4,4'-DDT and alpha-BHC was outside QC limits between the two columns in sample NS-LDP-004-GW and should be qualified as estimated.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates with acceptable results.

CONTINUING CALIBRATION
All criteria were met.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Laboratory Control Samples and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1016 and Aroclor 1260 in LCS 480-374278/2-A and LCSD 480-374278/3-A and should be qualified as estimated in the laboratory control sample.

MS/MSD
No MS/MSD was acquired.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on the target analytes and surrogates in which the %RSD was >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1016 peak 5 and Aroclor 1260 peaks 3 and 5 was outside QC limits off column ZB-5 in CCVIS 480-374407/6. The %D of Aroclor 1262 peak 4 was outside QC limits off column ZB-5 in CCV 480-374407/8. ASP requires three conforming peaks, so no further action is required.
The %D of Aroclor 1016 peaks 1-5 and Aroclor 1260 peaks 1, 2, 4, 5, DCBP and TCMX was outside QC limits off column ZB-35 in CCVIS 480-374407/6. The %D of Aroclor 1221 peaks 2 and 3 and Aroclor 1254 peaks 1-5 was outside QC limits off column ZB-35 in CCV 480-374407/7. The %D of Aroclor 1232 peaks 2-5 and Aroclor 1262 peaks 1-5 were outside QC limits off column ZB-35 in CCV 480-374407/8. The %D of Aroclor 1242 peaks 1-5 and Aroclor 1268 peaks 1-5 were outside QC limits off column ZB-35 in CCV 480-374407/9. The %D of Aroclor 1248 peaks 2, 3 and 5 off column ZB-5 and Aroclor 1248 peaks 2-5 was outside QC limits off column

ZB-35 in CCV 480-374407/10. These target analytes should be qualified as estimated in the associated samples off the associated column.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks and Calibration.

The samples arrived at the laboratory unpreserved but were preserved by the laboratory within QC limits, so no further action is required.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Mn and K were detected in MB 480-374152/1-A above the MDL,

below the reporting limit and is qualified as estimated. Mn and Zn were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-374194/1-C. K was detected above the MDL, below the reporting limit and is qualified as estimated in CCB 480-374381/25. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met.

MS/MSD
All criteria were met.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Cr and Ag was outside ASP QC limits, high, in ICVL 480-374381/7. The %Rec of Zn was outside ASP QC limits, high, in CCVL 480-374381/20. The %Rec of Zn and K was outside ASP QC limits, high, in CCVL 480-374381/26. The %Rec of Cr and K was outside ASP QC limits, high, in CCVL 480-374381/38. The %Rec of As, V and K was outside ASP QC limits, high, in CCVL 480-374381/50. The %Rec of Cr was outside ASP QC limits, high, in ICVL 480-374496/7. The %Rec of Cu and V was outside ASP QC limits, high, in CCVL 480-374496/34. Associated samples, blanks and spikes in which these target analytes were detected above the MDL should be qualified as estimated high.
The %Rec of Fe and Pb was outside ASP QC limits, low, in ICVL 480-374381/7. The %Rec of Fe was outside ASP QC limits, low, in CCVL 480-374381/20. The %Rec of Pb was outside ASP QC limits, low, in CCVL 480-374381/26. The %Rec of Al, Pb and Fe was outside ASP QC limits, low, in CCVL 480-374381/38. The %Rec of Al, Fe and Ag was outside ASP QC limits, low, in ICVL 480-374496/7. The %Rec of Al, Fe and K was outside ASP QC limits, low, in CCVL 480-374496/19. The %Rec of Al, Fe and As was outside ASP QC limits, low, in CCVL 480-374496/23. The %Rec of Al, As, Co, Fe, Ni and K was outside ASP QC limits, low, in CCVL 480-374496/34. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- Alkalinity
- Chloride/Sulfate

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use.

ALKALINITY
All criteria were met.

CHLORIDE/SULFATE
All criteria were met.
All of the samples were diluted.

LSW-1, LSW-2 & LSW-4

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd., Wheatfield
TestAmerica Laboratories, Inc. SDG#480-115248-1
May 11, 2017
Sampling date: 3/28/2017

Prepared by:
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers., project located at Nash Rd., Wheatfield, Project #932054, TestAmerica Laboratories, Inc., SDG#480-115248-1, submitted to Vali-Data of WNY, LLC on May 5, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C, 6020A), Mercury (7471B) and in accordance with wet chemistry methods.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use but are qualified below in Method Blank and Laboratory Control Samples.

Samples; LSW-20-04, LSW-20-04MS/MSD, LSS-001 0-2", LSS-002 0-2", LSS-002 2-12", LSS-012 0-2", LSS-012 2-6", LSS-011 0-2", LSS-011 2-6", LSS-011 6-12", LSS-010 0-2", LSS-010 2-6" and LSS-010 6-12" were diluted due to color, appearance and/or viscosity.

Sample; LSED-04 2-12" was diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of some of the surrogates was outside QC limits due to dilution; no further action is required.

METHOD BLANK
All the criteria were met except Diethyl phthalate was detected above the MDL, below the reporting limit and is qualified as estimated in MB 480-349416/1-A. This target analyte was not detected in the associated samples, so no further action is required.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 3,3-Dichlorobenzidine was outside QC limits, high, in LCS 480-349416/2-A and is qualified with an 'E'. This target analyte was within limits in the matrix spike and matrix spike duplicate, so no further action is required

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of several target analytes was outside laboratory QC limits but was within ASP limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Method Blank, MS/MSD, Compound Quantitation and Continuing Calibration.

Samples; LSS-011 0-2", LSS-011 2-6", LSS-011 6-12" and LSS-010 0-2" were diluted due to sample matrix.
Samples; LSS-002 0-2", LSS-002 2-12", LSS-012 0-2", LSS-012 2-6" and LSS-012 6-12" may contain enhanced positive peaks due to the presence of biphenyl peaks.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP was outside QC limits in sample LSED-04 2-12" due to dilution and interfering peaks. No further action is required.
The %Rec of the surrogates in sample LSS-011 6-12" were outside QC limits due to dilution, so no further action is required.
The %Rec of several surrogates were outside laboratory QC limits, but within ASP limits, so no further action is required.

METHOD BLANK
All the criteria were met except 4,4'-DDT was detected above the MDL, below the reporting limit and is qualified as estimated in MB 180-207882/1-B. This target analyte should be qualified as undetected at the reporting limit, if it is detected in the associated samples below the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met.

MS/MSD
All criteria were met except the %Rec of Methoxychlor was outside QC limits, high in LSW-04MS/MSD and should be qualified as estimated high in LSW-04 and LSW-04MS/MSD. The %Rec of Endrin and Endrin Aldehyde was outside QC limits, high in LSW-04MSD and should be qualified as estimated high in LSW-04MSD.

COMPOUND QUANTITATION
All criteria were met except the RPD of beta-BHC, oxy-Chlordane, Dieldrin, 4,4'-DDD and 4,4'-DDT was outside QC limits between the two columns in sample LSED-002-0-2". The RPD of beta-BHC, oxy-Chlordane, 4,4'-DDD, alpha-Chlordane, Mirex and 4,4'-DDT was outside QC limits between the two columns in sample LSED-002 2-12". The RPD of beta-BHC, oxy-Chlordane, Dieldrin, 4,4'-DDD, Mirex and 4,4'-DDT was outside QC limits between the two columns in sample LSED-001 0-2". The RPD of beta-BHC, oxy-Chlordane, alpha-Chlordane, Endosulfan I, 2,4'-DDT, 4,4'-DDD, Endosulfan II and 4,4'-DDT was outside QC limits between the two columns in sample LSED-005 0-2". The RPD of beta-BHC, oxy-Chlordane, 2,4'-DDT, Mirex, Endosulfan sulfate and 4,4'-DDT was outside QC limits between the two columns in sample LSED-005 2-12". The RPD of trans-Nonachlor, 4,4'-DDD and 4,4'-DDT was outside QC limits between the two columns in sample LSED-005 2-12"DL. The RPD of oxy-Chlordane, Heptachlor epoxide, 4,4'-

DDD, Endosulfan II and 4,4'-DDT was outside QC limits between the two columns in sample LSED-004 0-2". The RPD of alpha-Chlordane, 4,4'-DDD and 4,4'-DDT was outside QC limits between the two columns in sample LSED-004 2-12". The RPD of Toxaphene was outside QC limits between the two columns in sample LSW-002. The RPD of 4,4'-DDE and 4,4'-DDT was outside QC limits between the two columns in samples LSS-001 0-2" and LSS-011 0-2". The RPD of 4,4'-DDE and Dieldrin was outside QC limits between the two columns in sample LSS-002 2-12". The RPD of 4,4'-DDE was outside QC limits between the two columns in samples LSS-002 0-2", LSS-012 0-2", LSS-011 6-12" and LSS-010 2-6". The RPD of 4,4'-DDT was outside QC limits between the two columns in sample LSS-012 2-6". The RPD of 4,4'-DDD and 4,4'-DDT was outside QC limits between the two columns in sample LSS-012 6-12". The RPD of alpha-BHC was outside QC limits between the two columns in sample LSW-04. The RPD of gamma-BHC, alpha-BHC, gamma-Chlordane, alpha-Chlordane, 4,4'-DDE and Methoxychlor was outside QC limits between the two columns in LSW-04MS/MSD. The RPD of gamma-Chlordane was outside QC limits between the two columns in LCS 480-349417/2-A. The RPD of alpha-BHC, Endrin aldehyde and Endosulfan sulfate was outside QC limits between the two columns in LCS 480-349432/2-A. The RPD of delta-BHC was outside QC limits between the two columns in LSW-04MSD. These target analytes should be qualified as estimated in the associated samples.

INITIAL CALIBRATION

All criteria were met.

Alternate forms of regression were used on all target analytes and surrogates in the initial calibrations performed on instruments HP6890-25 and HP6890-5 with acceptable results.

CONTINUING CALIBRATION

All criteria were met except the %D of DCBP off column MR-1 and MR-2 was outside QC limits in CCV 180-208894/29. This surrogate should be qualified as estimated in the associated samples, blanks and spikes.

The %D of Mirex off column MR-1 was outside QC limits in CCV 180-209014/4. The %D of Endrin aldehyde, Endosulfan sulfate and Endrin Ketone was outside QC limits in CCVIS 480-349667/5 off column RTX-CLPI. These target analytes should be qualified as estimated in associated samples, blanks and spikes off the associated column.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision

- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Laboratory Control Samples, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column ZB-5 was outside ASP QC limits, high, in LCS 480-349562/2-A. The %Rec of DCBP off both columns was outside QC limits, high, in LSED-04 2-12". These surrogates and detects in these samples, off the associated column, should be qualified as estimated high.
The %Rec of TCMX off column RTX-CLPI was outside ASP QC limits, low in LSED-002-0-2" and should be qualified as estimated.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Aroclor 1016 was outside ASP QC limits, high in LCS 480-349562/2-A and should be qualified as estimated.

MS/MSD
All criteria were met.

COMPOUND QUANTITATION
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1254 in samples LSS-012 0-2", LSS-012 2-6", LSS-011 0-2", LSS-011 6-12", LSED-005 0-2" and LSED-005 2-12". The RPD between the columns was outside QC limits for Aroclor 1260 in samples LSS-011 2-6" and LSED-002 2-12". These target analytes should be qualified as estimated in the associated samples.

INITIAL CALIBRATION
All criteria were met except a single point calibration was used on Aroclor 1254 and Aroclor 1268 off instrument CHGC16. ASP requires a three point calibration for all detected target analytes. These target analytes should be qualified as estimated if detected in associated samples.
Alternate forms of regression were used on the initial calibration performed on instrument HP6890-7 with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1248 peaks 2 and 3 was outside QC limits off column ZB-35 in CCV 480-349510/8. ASP requires three conforming peaks, so no further action is required.
The %D of Aroclor 1221 peak 3 was outside QC limits off column ZB-35 in CCV 480-349510/5.
The %D of Aroclor 1221 peaks 1 and 2 were outside QC limits off column ZB-35 in CCB 480-349735/5. These target analytes should be qualified as estimated in the associated samples off the associated column.

METALS

The following items/criteria were reviewed for this analytical suite:

- -Data Completeness
- -Narrative and Data Reporting Forms
- -Chain of Custody and Traffic Reports
- -Holding Times
- -Blanks
- -Laboratory Control Sample
- -MS/MSD
- -Field Duplicate
- -Serial Dilution
- -Compound Quantitation
- -Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Laboratory Control Samples, MS/MSD, Serial Dilution and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Zn was detected in MB 480-349435/1-A above the MDL, below the reporting limit and is qualified as estimated. Ca and Mg were detected in MB 480-349516/1-A above the MDL, below the reporting limit and are qualified as estimated. Mn was detected in CCB 480-349637/38 and CCB 480-349932/30 above the MDL, below the reporting limit and is qualified as estimated. K was detected in CCB1 180-209095/11 above the MDL, below the reporting limit and is qualified as estimated. Tl was detected in CCB3 180-209095/35 above the MDL, below the reporting limit and is qualified as estimated. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.
Fe and Mn were detected above the reporting limit in MB 480-349516/1-A. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit and below the blank result should be reported with the blank result and 'undetected'. Associated samples in which these target analytes were detected above the blank result should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met except the %Rec of Sb was outside ASP QC limits, low in LCSSRM 480-349516/2-A. This target analyte should be qualified as estimated in LCSSRM 480-349516/2-A and the associated samples.

MS/MSD
All criteria were met except the %Rec of Ba and K were outside QC limits, high in LSS-002 0-2”MS/MSD. The %Rec of As was outside QC limits, high in LSED-002 2-12”MS/MSD. These target analytes were within limits in the post digest spike. These target analytes should be qualified as estimated high in the associated samples, if detected.
The %Rec of Sb was outside QC limits, low in LSS-002 0-2”MS/MSD. The %Rec of Sb and Ca was outside QC limits, low in LSED-002 2-12”MS/MSD. These target analytes were within limits in the post digest spike. These target analytes should be qualified as estimated in the associated samples.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met except the %D of Ca, Fe and Mg in LSS-002 0-2”SD and Cu, Fe and K in LSED-002 2-12”SD were outside QC limits. These target analytes should be qualified as estimated in the associated samples.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Sb, As, Mn and Se was outside ASP QC limits, high, in ICVL 480-349637/7. The %Rec of Ag and Na was outside ASP QC limits, high in CCVL 480-349637/27. The %Rec of As, Cu, Mn, Se and Na was outside ASP QC limits, high in CCVL 480-349637/39. The %Rec of As, Cd, Cr, Mn, Se and Na was outside ASP QC limits, high in CCVL 480-349637/51. The %Rec of Sb, Zn and Se was outside ASP QC limits, high, in ICVL 480-349932/7. The %Rec of As, Mn and Zn was outside ASP QC limits, high in CCVL 480-349932/31. The %Rec of Sb, Mn and Zn was outside ASP QC limits, high in CCVL 480-349932/42. The %Rec of Mn and Zn was outside ASP QC limits, high in CCVL 480-349932/54. The %Rec of Zn was outside ASP QC limits, high in CCVL 480-349932/63. The %Rec of Hg was outside ASP QC limits, high, in ICVL 480-349539/3. The %Rec of Hg was outside ASP QC limits, high in CCVL 480-349539/62, 75. The %Rec of Co, Se, Na, Tl and Zn was outside ASP QC limits, high, in ICVL 180-209095/7. The %Rec of Al, Be, Co, Cu, Pb, Fe, Ni and Tl was outside ASP QC limits, high in CCVL 180-209095/74. Associated samples, blanks and spikes in which these target analytes were detected above the MDL should be qualified as estimated high.
All criteria were met except the %Rec of Be was outside ASP QC limits, low, in CCVL 480-349637/19. The %Rec of Al, Cr and Pb was outside ASP QC limits, low in CCVL 480-349637/27. The %Rec of K was outside ASP QC limits, low in CCVL 480-349637/39. The %Rec of Ag and Pb was outside ASP QC limits, low in CCVL 480-349637/51. The %Rec of V was outside ASP QC limits, low, in ICVL 480-349932/7. The %Rec of Al was outside ASP QC limits, low in CCVL 480-349932/31. The %Rec of Cu and V was outside ASP QC limits, low in CCVL 480-349932/42. The %Rec of Cu, Ag and V was outside ASP QC limits, low in CCVL 480-349932/54. The %Rec of Cu and Se was outside ASP QC limits, low in CCVL 480-349932/63. The %Rec of V was outside ASP

QC limits, low in CCVL 180-209095/74. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use except where qualified below.

%SOLIDS
All criteria were met.

LSW-3

Data Usability Summary Report

Vali-Data of WNY, LLC
1514 Davis Rd.
West Falls, NY 14170

Nash Rd., Wheatfield
TestAmerica Laboratories, Inc. SDG#480-115331-1
May 17, 2017
Reissued: July 21, 2017
Sampling date: 3/29/2017

Prepared by:
Jodi Zimmerman
Vali-Data of WNY, LLC
1514 Davis Rd.
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DELIVERABLES

This Data Usability Summary Report (DUSR) was prepared by evaluating the analytical data package for LiRo Engineers. (reissued; July 21, 2017), project located at Nash Rd., Wheatfield, Project #932054, TestAmerica Laboratories, Inc., SDG#480-115331-1, submitted to Vali-Data of WNY, LLC on May 5, 2017. This DUSR has been prepared in general compliance with NYSDEC Analytical Services Protocols and USEPA National Functional Guidelines. The laboratory performed the analyses using USEPA method Semi-Volatile Organics (8270D), Pesticides (8081B), PCB (8082A), Inorganics (6010C, 6020A), Mercury (7470A, 7471B) and in accordance with wet chemistry methods.

SEMIVOLATILE ORGANIC COMPOUNDS

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Internal Standard (IS) Area Performance
- Surrogate Spike Recoveries
- Method Blank
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration
- GC/MS Performance Check

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use but are qualified below in Method Blank, Laboratory Control Samples and MS/MSD.

Samples; LSS-007 0-2", LSS-007 0-2"MS/MSD, LSS-007 2-12", LSS-018 0-2", LSS-004 0-2", LSS-005 0-2", LSS-006 0-2" and LSS-009 0-2" were diluted due to color, appearance and/or viscosity.

Samples; LSS-007 0-2"MS/MSD, LSED-003 0-2", LSED-003 0-2"DU, LSED-003 0-2"MS/MSD were diluted due to sample matrix.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.
Data was not reported to 3 significant figures. This does not affect the usability of the data.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the sample were met.

INTERNAL STANDARD (IS)
All criteria were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of some of the surrogates was outside QC limits due to dilution; no further action is required.

METHOD BLANK
All the criteria were met except Diethyl phthalate and Di-n-butyl phthalate were detected above the MDL, below the reporting limit and are qualified as estimated in MB 480-349909/1-A. These target analytes should be qualified as undetected at the reporting limit if they are detected in the associated samples below the reporting limit. If they are detected above the reporting limit in the associated samples, they should be qualified as estimated.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of 3,3-Dichlorobenzidine was outside QC limits, high, in LCS 480-349909/2-A and is qualified with an 'E'. This target analyte was within limits in the associated matrix spike and matrix spike duplicate, so no further action is required

MS/MSD
All criteria were met except the %Rec of 2,4-Dinitrotoluene was outside QC limits, high in LSS-007 0-2"MS/MSD and should be qualified as estimated in LSS-007 0-2"MS/MSD and LSS-007 0-2", if detected.
The %Rec of 2,4-Dinitrophenol was 0% in LSS-007 0-2"MS/MSD and should be qualified as estimated in LSS-007 0-2", if detected, and unusable, if not detected.
The %Rec of 3,3'-Dichlorobenzidine and Hexachlorocyclopentadiene was outside QC limits, low in LSED-003 0-2"MS/MSD and should be qualified as estimated in LSED-003 0-2"MS/MSD and LSED-007 0-2".

The %Rec of 2,4-Dinitrophenol was outside QC limits, low in LSED-007 0-2”MS but within limits in LSED-007 0-2”MSD, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except Acenaphthene and Acenaphthylene were detected above the MDL, below the reporting limit in LSED-003 0-2” but were not detected in LSED-003 0-2”DU.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were performed on all target analytes whose %RSD >20.0%, with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of several target analytes was outside laboratory QC limits but was within ASP limits, so no further action is required.

GC/MS PERFORMANCE CHECK
All criteria were met.

PESTICIDES

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Method Blank, Laboratory Control Samples, MS/MSD, Compound Quantitation and Continuing Calibration.

Sample; LSS-007 0-2” was diluted due to sample matrix.

Samples; LSS-004 0-2”, LSS-005 0-2”and LSS-006 0-2” were diluted due to high target analyte concentration.

Samples; LSS-003 0-2”, LSS-004 0-2”, LSS-005 0-2”, LSS-006 0-2”, LSS-007 2-12” and LSS-017 2-12” may contain enhanced positive peaks due to the presence of biphenyl peaks.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of some of the surrogates was outside QC limits in sample LSS-004 0-2” and LSS-005 0-2”due to dilution and interfering peaks. No further action is required.
The %Rec of several surrogates were outside laboratory QC limits, but within ASP limits, so no further action is required.

METHOD BLANK
All the criteria were met except 4,4’-DDT was detected above the MDL, below the reporting limit and is qualified as estimated in MB 180-207882/1-B. This target analyte should be qualified as undetected at the reporting limit, if it is detected in the associated samples below the reporting limit.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Endosulfan sulfate was outside QC limits, high in LCS 480-349618/2-A and LCSD 480-349618/3-A. This target analyte should be qualified as estimated high if detected in the associated samples.
The %Rec of Endrin and 4,4’-DDT was outside QC limits, high in LCSD 480-349618/3-A but within limits in LCS 480-349618/2-A, so no further action is required.

MS/MSD
All criteria were met except the RPD of 4,4'-DDE, Endosulfan I and gamma-Chlordane between LSS-007 0-2"MS and LSS-007 0-2"MSD was outside QC limits. These target analytes should be qualified as estimated in LSS-007 0-2"MS/MSD and LSS-007 0-2".
4,4'-DDT and gamma-BHC were outside laboratory QC limits, but within ASP limits, so no further action is required.

COMPOUND QUANTITATION
All criteria were met except the RPD of Heptachlor epoxide, Dieldrin, 2,4'-DDT, 4,4'-DDD and 4,4'-DDT was outside QC limits between the two columns in sample LSED-003 0-2". The RPD of oxy-Chlordane was outside QC limits between the two columns in sample LSED-003 0-2"MS/MSD. The RPD of Mirex was outside QC limits between the two columns in sample LSED-003 0-2"MSD. The RPD of Heptachlor epoxide, gamma-Chlordane, alpha-Chlordane, Dieldrin, 4,4'-DDD and 4,4'-DDT was outside QC limits between the two columns in sample LSED-003 0-2"DU. The RPD of beta-BHC, oxy-Chlordane and Mirex was outside QC limits between the two columns in sample LSED-006 0-2". The RPD of alpha-BHC was outside QC limits between the two columns in sample LSW-003. The RPD of 4,4'-DDT was outside QC limits between the two columns in sample LSS-004 0-2". The RPD of Endosulfan II was outside QC limits between the two columns in sample LSS-005 0-2". The RPD of Heptachlor epoxide, gamma-Chlordane, Endosulfan I, Endosulfan II, Methoxychlor and Endrin ketone was outside QC limits between the two columns in sample LSS-007 0-2"MS. The RPD of Heptachlor epoxide, gamma-Chlordane, Endosulfan II and Methoxychlor was outside QC limits between the two columns in sample LSS-007 0-2"MSD. The RPD of 4,4'-DDE and delta-BHC was outside QC limits between the two columns in samples LSS-007 2-12". The RPD of 4,4'-DDE was outside QC limits between the two columns in sample LSS-008 0-2", LSS-009 2-12", LSS-017 2-12" and LSS-018 0-2". The RPD of alpha-BHC, alpha-Chlordane and Methoxychlor was outside QC limits between the two columns in LCS 480-349618/2-A and LCSD 480-349618/3-A. The RPD of gamma-Chlordane, Heptachlor epoxide, Endrin aldehyde and Endosulfan I was outside QC limits between the two columns in LCS 480-349858/2-A. These target analytes should be qualified as estimated in the associated samples.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on all target analytes and surrogates in the initial calibrations performed on instruments HP6890-25 and HP6890-5 with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of DCBP off column MR-1 and MR-2 was outside QC limits in CCV 180-208894/29. This surrogate should be qualified as estimated in the associated samples, blanks and spikes.

PCB

The following items/criteria were reviewed for this analytical suite:

- Data Completeness
- Narrative and Data Reporting Forms
- Chain of Custody and Traffic Reports
- Holding Times
- Surrogate Spike Recoveries
- Method Blank
- Field Duplicate Precision
- Laboratory Control Samples
- MS/MSD
- Compound Quantitation
- Initial Calibration
- Continuing Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above and qualified accordingly.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Surrogate Spike Recoveries, Laboratory Control Samples, MS/MSD, Compound Quantitation and Continuing Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times for the samples were met.

SURROGATE SPIKE RECOVERIES
All criteria were met except the %Rec of DCBP off column ZB-5 was outside ASP QC limits, high, in LCS 480-349693/2-A and should be qualified as estimated high.
The %Rec of several surrogates were outside laboratory QC limits, but within ASP limits, so no further action is required.

METHOD BLANK
All the criteria were met.

FIELD DUPLICATE SAMPLE PRECISION
No field duplicate was acquired.

LABORATORY CONTROL SAMPLES
All criteria were met except the %Rec of Aroclor 1016 was outside ASP QC limits, high in LCS 480-349693/2-A and LCSD 480-349619/3-A and should be qualified as estimated.

MS/MSD
All criteria were met except the RPD between LSS-007 0-2”MS and LSS-007 0-2”MSD and LSED-003 0-2”MS and LSED-003 0-2”MSD was outside QC limits for Aroclor 1016 and Aroclor 1260. These target analytes should be qualified as estimated in the associated samples.

COMPOUND QUANTITATION
All criteria were met except the RPD between the columns was outside QC limits for Aroclor 1254 in samples LSS-005 0-2”and LSS-006 0-2”. The RPD between the columns was outside QC limits for Aroclor 1260 in samples LSS-004 0-2”, LSS-005 0-2”, LSS-006 0-2” and LSS-007 2-12”. The RPD between the columns was outside QC limits for Aroclor 1016 in sample LSS-007 0-2”MS. These target analytes should be qualified as estimated in the associated samples.

INITIAL CALIBRATION
All criteria were met.
Alternate forms of regression were used on some of the target analytes and surrogates in the initial calibration performed on instrument HP6890-6 with acceptable results.

CONTINUING CALIBRATION
All criteria were met except the %D of Aroclor 1016 peaks 1-3 and 5 was outside QC limits off column ZB-5 in CCVIS 480-349730/4. The %D of Aroclor 1260 peaks 1-5 and DCBP was outside QC limits off column ZB-35 in CCVIS 480-349730/4. The %D of Aroclor 1254 peaks 1, 3 and 4 was outside QC limits off column ZB-5 in CCV 480-349730/5. The %D of Aroclor 1254 peaks 1-5 was outside QC limits off column ZB-35 in CCV 480-349730/5. The %D of Aroclor 1262 peaks 1-3 and 5 was outside QC limits off column ZB-5 in CCV 480-349730/6. The %D of Aroclor 1268 peaks 1, 2 and 4 was outside QC limits off column ZB-5 in CCV 480-349730/7. The %D of Aroclor 1248 peaks 1-5 was outside QC limits off column ZB-5 in CCV 480-349730/8. The %D of Aroclor 1260 peaks 1, 2 and 4 and TCMX was outside QC limits off column ZB-5 in CCV 480-349730/30. The %D of Aroclor 1016 peaks 1, 3 and 5 was outside QC limits off column ZB-5 in CCV 480-349733/26. The %D of Aroclor 1221 peaks 1 and 3 was outside QC limits off column ZB-5 in CCV 480-349733/27. The %D of Aroclor 1262 peaks 1-5 was outside QC limits off column ZB-35 in CCV 480-349733/28. The %D of Aroclor 1242 peaks 2, 4 and 5 and Aroclor 1268 peaks 1-5 was outside QC limits off column ZB-5 in CCV 480-349733/29. The %D of Aroclor 1268 peaks 2-4 was outside QC limits off column ZB-35 in CCV 480-349733/29. The %D of Aroclor 1221 peaks 1 and 3 was outside QC limits off column RTX-CLP1 in CCV 180-207953/1.

The %D of Aroclor 1221 peaks 1-3 was outside QC limits off column RTX-CLP2 in CCV 180-207953/1. The %D of TCMX was outside QC limits off both columns in CCV 480-349733/26. The %D of Aroclor 1254 peaks 1-5 was outside QC limits off both columns in CCV 180-207953/1. These target analytes should be qualified as estimated in the associated samples off the associated column.
All criteria were met except the %D of Aroclor 1260 peak 1 was outside QC limits off column ZB-5 in CCV 480-349730/4. The %D of Aroclor 1016 peak 3 was outside QC limits off column ZB-35 in CCV 480-349730/4. The %D of Aroclor 1232 peak 4 was outside QC limits off column ZB-5 in CCV 480-349730/6. The %D of Aroclor 1232 peak 5 and Aroclor 1262 peak 5 was outside QC limits off column ZB-35 in CCV 480-349730/6. The %D of Aroclor 1242 peak4 was outside QC limits off column ZB-5 in CCV 480-349730/7. The %D of Aroclor 1248 peak 3 was outside QC limits off column ZB-35 in CCV 480-349730/8. The %D of Aroclor 1016 peaks 1 and 3 was outside QC limits off column ZB-5 in CCV 480-349730/30. The %D of Aroclor 1016 peak 1 was outside QC limits off column ZB-35 in CCV 480-349733/4. The %D of Aroclor 1242 peak 5 was outside QC limits off column ZB-35 in CCV 480-349733/7. The %D of Aroclor 1248 peak 1 was outside QC limits off column ZB-5 in CCV 480-349733/8. The %D of Aroclor 1248 peak 5 was outside QC limits off column ZB-35 in CCV 480-349733/8. The %D of Aroclor 1016 peaks 3 and 4 was outside QC limits off column ZB-35 in CCV 480-349733/26. The %D of Aroclor 1232 peaks 3 and 5 was outside QC limits off column ZB-35 in CCV 480-349733/28. The %D of Aroclor 1242 peak 4 was outside QC limits off column ZB-35 in CCV 480-349733/29. The %D of Aroclor 1248 peak 3 was outside QC limits off column ZB-35 in CCV 480-349733/30. ASP requires three conforming peaks, so no further action is required.

METALS

The following items/criteria were reviewed for this analytical suite:

-Data Completeness
-Narrative and Data Reporting Forms
-Chain of Custody and Traffic Reports
-Holding Times
-Blanks
-Laboratory Control Sample
-MS/MSD
-Field Duplicate
-Serial Dilution
-Compound Quantitation
-Calibration

The items listed above were technically in compliance with the method and SOP criteria with the exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES
The data are acceptable for use but are qualified below in Blanks, Laboratory Control Sample, MS/MSD, Serial Dilution and Calibration.

DATA COMPLETENESS
All criteria were met.

NARRATIVE AND DATA REPORTING FORMS
All criteria were met.

CHAIN OF CUSTODY AND TRAFFIC REPORTS
All criteria were met.

HOLDING TIMES
All holding times were met.

BLANKS
All criteria were met except Ba was detected in MB 180-209044/1-A above the MDL, below the reporting limit and is qualified as estimated. K was detected in CCB1 180-209311/11 above the MDL, below the reporting limit and is qualified as estimated. Associated samples in which these target analytes were detected above the MDL and below the reporting limit should be reported with the reporting limit and 'undetected'. Associated samples in which these target analytes were detected above the reporting limit should be qualified as estimated high.

LABORATORY CONTROL SAMPLE
All criteria were met except the %Rec of Sb was outside ASP QC limits, low in LCSSRM 480-349750/2-A. This target analyte should be qualified as estimated in LCSSRM 480-349750/2-A and the associated samples.

MS/MSD
All criteria were met except the %Rec of Al, Ba and K was outside QC limits, high in LSS-007 0-2"MS/MSD. These target analytes were within limits in the post digest spike. These target analytes should be qualified as estimated high in the associated samples.
The %Rec of Sb was outside QC limits, low in LSED-003 0-2"MS/MSD. This target analyte was within limits in the post digest spike. This target analyte should be qualified as estimated in the associated samples.
The RPD of Sb between LSS-007 0-2"MS and LSS-007 0-2"MSD was outside QC limits. This target analyte should be qualified as estimated in the associated samples.
The %Rec of Hg was outside QC limits in LSS-007 0-2"MS but within limits in LSS-007 0-2"MSD, so no further action is required.
The %Rec of Se was outside QC limits in LSED-003 0-2"MSD but within limits in LSED-003 0-2"MS, so no further action is required.

FIELD DUPLICATE
No field duplicate was acquired.

SERIAL DILUTION
All criteria were met except the %D of Zn in LSS-007 0-2”SD was outside QC limits. This target analyte should be qualified as estimated in the associated samples.

COMPOUND QUANTITATION
All criteria were met.

CALIBRATION
All criteria were met except the %Rec of Sb, Zn and Se was outside ASP QC limits, high, in ICVL 480-349930/7 and CCVL 480-349930/43. The %Rec of As and Zn was outside ASP QC limits, high in CCVL 480-349930/19. The %Rec of Pb, Mn and Zn was outside ASP QC limits, high in CCVL 480-349930/31. The %Rec of Zn was outside ASP QC limits, high in CCVL 480-349930/49. The %Rec of Cr and Fe was outside ASP QC limits, high, in ICVL 480-350184/7. The %Rec of Cr was outside ASP QC limits, high in CCVL 480-350184/17. The %Rec of Sb, Cd, Cr and Mn was outside ASP QC limits, high in CCVL 480-350184/21. The %Rec of Cr, Fe and Zn was outside ASP QC limits, high in ICVL 480-350194/7. The %Rec of Al, Cr, Fe, Mn and Zn was outside ASP QC limits, high in CCVL 480-350194/19. The %Rec of Al, Cd and Zn was outside ASP QC limits, high in CCVL 480-350194/27. The %Rec of Al, Na and Zn was outside ASP QC limits, high, in ICVL 180-209311/7. The %Rec of Al, As, Cu, Na and Zn was outside ASP QC limits, high in CCVL 180-209311/93. Associated samples, blanks and spikes in which these target analytes were detected above the MDL should be qualified as estimated high.
The %Rec of V was outside ASP QC limits, low, in ICVL 480-349930/7, CCVL 480-349930/19, 31. The %Rec of Al was outside ASP QC limits, low in CCVL 480-349930/43. The %Rec of Fe was outside ASP QC limits, low in CCVL 480-349930/49. The %Rec of Cu and Pb was outside ASP QC limits, low, in CCVL 480-350184/17. The %Rec of Pb was outside ASP QC limits, low in CCVL 480-350184/21. The %Rec of As was outside ASP QC limits, low in ICVL 480-350194/7. The %Rec of Pb was outside ASP QC limits, low in CCVL 480-350194/19. The %Rec of Pb, Ag and Se was outside ASP QC limits, low in CCVL 480-350194/27. The %Rec of Pb and As was outside ASP QC limits, low in CCVL 480-350194/36. The %Rec of As, Co, Fe, Se, Tl and V was outside ASP QC limits, low in ICVL 180-209311/7. The %Rec of Co and Tl was outside ASP QC limits, low in CCVL 180-209311/93. These target analytes should be qualified as estimate in the associated samples, blanks and spikes.

GENERAL CHEMISTRY

The following items/criteria were reviewed for this analytical suite:

- %Solids

The items listed above were technically in compliance with the method and SOP criteria with any exceptions discussed in the text below. The data have been reviewed according to the procedures outlined above.

OVERALL EVALUATION OF DATA AND POTENTIAL USABILITY ISSUES

The data are acceptable for use except where qualified below.

%SOLIDS

All criteria were met.