DATA USABILITY SUMMARY REPORT
(DUSR)

DATA USABILITY SUMMARY REPORT
Volatile Organics
by SW-846 Method 8260
Laboratory SDG: Data Package # 12L0266

Sample Identification

Field Sample ID	Lab ID	Matrix
TB-1	12L0266-01	Water
B-16 (12-14FT)	12L0266-02	Soil
B-24 (0-4FT)	12L0266-03	Soil
B-17 (8-10FT)	12L0266-04	Soil
B-18 (6-8FT)	12L0266-05	Soil
B-23 (0-2FT)	12L0266-06	Soil
B-20 (12-14FT)	12L0266-07	Soil
B-20 (0-2FT)	12L0266-08	Soil

I. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

The laboratory submitted required deliverables. It is noted that the electronic copy was not bookmarked thoroughly for content, and no Table of Contents was included.

II. TECHNICAL DATA VALIDATION

The quality control elements that were reviewed are listed below:

Holding Times
Blanks (Method/Equipment)
Reported Results
Accuracy
Precision
Instrument Performance and Calibration

Holding Times

Prescribed holding times for all samples were met.

Blanks (Method/Equipment)

All blanks were reported free of contamination.

Reported Results

Reported positive results in field samples were qualitatively verified from raw data chromatograms and spectral match.

Accuracy

Surrogate recoveries and internal standard responses were within limits. No MS/MSD samples were identified for this SDG. Blank Spike (LCS) and LCS Duplicate samples were reported.

Precision

No MS/MSD samples were identified for this SDG. LCS Duplicate samples were reported. No field duplicate samples for were identified for this SDG.

Instrument Performance and Calibration

Calibration parameters were within acceptable limits, with the following exceptions: target compounds 1,2-dibromo-3-chloropropane (DBCP), 1,4-dioxane, acetone, 2-butanone (MEK), tert-butyl alcohol (TBA) and tetrahydrofuran (THF) presented relative response factor (RRF) values below the method limits; target compounds acetone, DBCP, methylene chloride ($MeCl_2$), naphthalene and trans-1,4-dichlorobutene presented %D values above the method limit, with reduced sensitivity.

1,4-dioxane and TBA were qualified as estimated non-detects (UJ) in all SDG soil samples. Acetone, DBCP, MEK and THF were qualified as estimated non-detects (UJ) in all samples except -01 (Trip Blank). Indication of low bias due to low calibration RRF values. Acetone, methylene chloride, naphthalene and trans-1,4-dichlorobutene were qualified as estimated non-detects (UJ) in all SDG soil samples. DBCP was qualified as an estimated non-detect (UJ) in the trip blank sample. Indication of low bias due to CCV %D values above limit, with reduced sensitivity.

DATA USABILITY SUMMARY REPORT
(DUSR)

DATA USABILITY SUMMARY REPORT
TCL Organics
by SW-846 Methods 8260, 8270, 8081 & 8082
TCL Metals & Inorganics
by SW-846 Methods 6010, 7471 & 9014

Laboratory SDG: Data Package # 12L0362

Sample Identification

Field Sample ID	Lab ID	Analysis	Matrix
TB-2	12L0362-01	VOC	Water
FB-1	12L0362-02	VOC	Water
B-15 (4-8ft)	12L0362-03	TCL / TAL	Soil
B-13 (8-12ft)	12L0362-04	VOC	Soil
B-28 (4-6ft)	12L0362-05	VOC	Soil
B-14 (8-12ft)	12L0362-06	VOC	Soil
B-32 (8-10ft)	12L0362-07	VOC	Soil
B-33 (2-4ft)	12L0362-08	VOC	Soil
B-30 (6-8ft)	12L0362-09	VOC	Soil
B-12 (8-12ft)	12L0362-10	VOC	Soil
B-11 (6-8ft)	12L0362-11	VOC	Soil
B-29 (10-12ft)	12L0362-12	TCL / TAL	Soil
DUP-1	12L0362-13	VOC	Soil
B-29 (4-6ft)	12L0362-14	VOC	Soil
B-34 (4-6ft)	12L0362-15	VOC	Soil

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II. TECHNICAL DATA VALIDATION

The quality control elements that were reviewed are listed below:

Holding Times
Blanks (Method/Equipment)
Reported Results
Accuracy
Precision
Instrument Performance and Calibration

Any analytical fractions which presented QC outliers resulting in data qualifiers are discussed in the applicable sections below.

Holding Times

Prescribed holding times for all samples were met.

Blanks (Method/Equipment)

All blanks were reported free of contamination, or in the case of method blanks, any associated positive analytes were above 10x blank values and no data qualification was necessary.

Reported Results

Reported TCL Organics positive results in field samples were qualitatively verified from raw data chromatograms and spectral match (for GC-MS analytes) and second-column confirmation (for GC-ECD analytes. Reported TAL Metals and cyanide positive results in field samples were verified by raw data assessment.

Accuracy

Surrogate recoveries and internal standard responses (as applicable) were within limits in all TCL samples.

Volatile Organics (VOC)
The following compounds presented recoveries below limits in both MS and MSD which resulted in qualification in parent sample 12L0362-10: dichloro- difluoromethane (Freon-12), naphthalene, 1,2,3-trichlorobenzene and 1,2,4-trichloro-benzene. The following compounds presented recoveries below limits in both LCS and LCSD which resulted in qualification in the noted associated samples: Freon-12, samples 12L0362-01 and 02; chloromethane, samples 12L0362-13 and 14. The noted compounds were qualified as estimated non-detects (UJ) in the associated samples, with indication of low bias due to low MS/MSD and/or low LCS/LCSD recoveries.

Semivolatile Organics (SVOC)
The following compounds presented recoveries below limits in both LCS and LCSD which resulted in qualification in the noted associated samples: benzoic acid and benzidine, samples 12L0362-03 and -12. The noted compounds were qualified as estimated non-detects (UJ) in the associated samples, with indication of low bias due to low LCS/LCSD recoveries. Note: although the LCSD recovery for benzidine was 46.5%, the average of the LCS (31%) and LCSD recoveries was below the lower recovery limit of 40% (at 39%), and the RPD value exceeded the limit of 30% (at 40%).

Precision

Volatile Organics (VOC)
The following compounds presented MS/MSD RPD values which exceeded 30%: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene and 1,3,5-trichlorobenzene. Since no positives

for these compounds were found in the parent sample, no data qualifiers were assigned. No MS/MSD samples were requested for analysis for the other TCL analytical fractions. LCS Duplicate samples were reported.

VOC sample DUP-1 is the field duplicate of B-29 (10-12'). Both samples were reported positive (at 200x dilution) for tetrachloroethene, with RPD calculated at 24%. The field duplicate sample was not requested for analysis for the other analytical fractions.

Instrument Performance and Calibration

Volatile Organics (VOC)

Calibration parameters were within acceptable limits, with the following exceptions: target compounds 1,2-dibromo-3-chloropropane (DBCP), 1,4-dioxane, acetone, 2-butanone (MEK), tert-butyl alcohol (TBA) and tetrahydrofuran (THF) presented relative response factor (RRF) values below the method limits; target compounds acetone, chloromethane, naphthalene, 2,2-dichloropropane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, trans-1,3-dichloropropene and trans-1,4-dichlorobutene presented %D values above the method limit, with reduced sensitivity.

DBCP, acetone and MEK were qualified as estimated values (UJ or J) in samples 12L0362- (03-11 inclusive) and -15. 1,4-dioxane and TBA were qualified as estimated values (UJ or J) in samples 12L0362-(01-15 inclusive). THF was qualified as estimated (UJ) in samples 12L0362-(03-11 inclusive), (13-15 inclusive). Indication of low bias due to low calibration RRF values.

Acetone, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene were qualified as estimated values (UJ or J) in sample 12L-0362-12. 2,2-dichloropropane and *trans*-1,3-dichloropropene were qualified as estimated values (UJ or J) in samples 12L0362-01,-02 and -12. Chloromethane and *trans*-1,4-dichlorobutene were qualified as estimated values (UJ or J) in samples 12L0362-13 and -14. Naphthalene was qualified as an estimated value (UJ or J) in samples 12L0362-(03-12 inclusive) and -15. Indication of low bias due to CCV %D values above limit, with reduced sensitivity.

Semivolatile Organics (SVOC)

The laboratory flagged target compound pentachloronitrobenzene as presenting a low RRF value of 0.034. However, this compound does not have a listed minimum RRF, and similar compounds typically are allowed a minimum RRF of 0.010, and the RRFs were consistent (RSD=5.6%) from low to high concentration. Therefore, no validation qualifiers were assigned for this compound by the reviewer.

DATA USABILITY SUMMARY REPORT
(DUSR)

DATA USABILITY SUMMARY REPORT
TCL Organics
by SW-846 Methods 8260, 8270, 8081 & 8082
TCL Metals & Inorganics
by SW-846 Methods 6010, 6020, 7470, 7471 & 9014

Laboratory SDG: Data Package # 12L0409

Sample Identification

Field Sample ID	Lab ID	Analysis	Matrix
B-40 (10-12ft)	12L0409-01	TCL / TAL	Soil
B-31 (6-8ft)	12L0409-02	VOC	Soil
B-35 (6-8ft)	12L0409-03	VOC	Soil
B-41 (10-12ft)	12L0409-04	VOC	Soil
DUP-2	12L0409-05	VOC	Soil
B-37 (10-12ft)	12L0409-06	VOC	Soil
B-19 (6-8ft)	12L0409-07	VOC	Soil
B-21 (0-2ft)	12L0409-08	VOC	Soil
TB-3	12L0409-09	VOC	Water
FB-2	12L0409-10	VOC	Water
B-27	12L0409-11	VOC	Water
B-28	12L0409-12	VOC	Water
B-18	12L0409-13	VOC	Water
B-23	12L0409-14	TCL / TAL	Water
B-17	12L0409-15	VOC	Water
B-11	12L0409-16	VOC	Water
DUP-3	12L0409-17	VOC	Water
B-36	12L0409-18	VOC	Water
B-35	12L0409-19	VOC	Water

I. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

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II. TECHNICAL DATA VALIDATION

The quality control elements that were reviewed are listed below:

Holding Times
Blanks (Method/Equipment)
Reported Results
Accuracy
Precision
Instrument Performance and Calibration

Any analytical fractions which presented QC outliers resulting in data qualifiers are discussed in the applicable sections below.

Holding Times

Aqueous sample B-23 (Lab ID 12L0409-14) was extracted one day beyond the 5-day holding time from VTSR for both Pesticides and PCB analyses. All Pesticide target analytes were qualified as estimated values (UJ or J); all PCB target analytes (Arochlors) were qualified as estimated values (UJ). Indication of potential low bias due to extraction holding time exceedance.

Blanks (Method/Equipment)

All blanks were reported free of contamination, or in the case of method blanks, any associated positive analytes were above 10x blank values and no data qualification was necessary.

Reported Results

Reported TCL Organics positive results in field samples were qualitatively verified from raw data chromatograms and spectral match (for GC-MS analytes) and second-column confirmation (for GC-ECD analytes). Reported TAL Metals positive results in field samples were verified by raw data assessment.

Accuracy

Surrogate recoveries and internal standard responses (as applicable) were within limits in all TCL samples.

<u>Volatile Organics (VOC)</u>
The following compounds presented recoveries below limits in soil MS/MSD which resulted in qualification in parent sample 12L0409-08: dichlorodifluoromethane (Freon-12), naphthalene, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene. The following compounds presented recoveries below limits in aqueous MS/MSD which resulted in qualification in parent sample 12L0409-15: chloromethane and Freon-12. The following compounds presented recoveries below limits in soil LCS/LCSD which resulted in qualification in the noted associated samples: Freon-12, sample 12L0409-01. The noted compounds were qualified as estimated non-detects (UJ) in the associated samples, with indication of low bias due to low MS/MSD and/or low LCS/LCSD recoveries.

<u>Semivolatile Organics (SVOC)</u>
The following compounds presented recoveries below limits in both LCS and LCSD which resulted in qualification in the noted associated samples: benzoic acid (12L0409-01); N-nitroso-dimethylamine, benzidine (12L0409-14).

The noted compounds were qualified as estimated non-detects (UJ) in the associated samples, with indication of low bias due to low LCS/LCSD recoveries.

Metals
The recoveries for sodium (Na) in aqueous batch LCS/LCSD B064640BS1 and BS2 were 0%. These LCS were spiked at 2.0 mg/L, which is the RL value for sodium. The reported positive result for Na in associated aqueous sample B-23 was qualified as estimated (J), with indication of low bias.

Precision

Volatile Organics (VOC)
The following compounds presented MS/MSD RPD values which exceeded 30% in parent sample 12L0409-08: N-butylbenzene, hexachlorobutadiene, naphthalene,1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene and tetrachloroethene. Since tetrachloroethene was positive in the parent sample, tetrachloroethene was qualified in 12L0409-08 only. No data qualifiers were assigned to the other compounds as they were non-detects.

No MS/MSD samples were requested for analysis for the other TCL analytical fractions. LCS Duplicate samples were reported.

VOC soil sample DUP-2 is the field duplicate of B-40 (10-12'). Both samples were reported positive (at 5000x and 500x dilution, respectively) for tetrachloroethene, with RPD calculated at 82%. VOC aqueous sample DUP-3 is the field duplicate of B-28. Both samples were reported positive for cis-1,2-dichloroethene, trichloroethene and tetrachloroethene, while only DUP-3 was reported positive for vinyl chloride and benzene. RPD values for cis-1,2-dichloroethene, trichloroethene and tetrachloroethene were 144%, 126% and 107%, respectively. The results for the above compounds in the associated parent and duplicate samples only were qualified as estimated (J or UJ) with indeterminate bias direction.

The field duplicate samples were not requested for analysis for the other analytical fractions.

Instrument Performance and Calibration

Volatile Organics (VOC)
Calibration parameters were within acceptable limits, with the following exceptions: target compounds 1,2-dibromo-3-chloropropane (DBCP), 1,4-dioxane, acetone, 2-butanone (MEK), tert-butyl alcohol (TBA) and tetrahydrofuran (THF) presented relative response factor (RRF) values for soil sample calibration below the method limits. Target compounds 1,4-dioxane, TBA and THF presented relative response factor (RRF) values for aqueous sample calibration below the method limits.

1,4-Dioxane and TBA were qualified as estimated values (UJ or J) in soil samples 12L0409- (01-08 inclusive). Acetone, DBCP, MEK and THF were qualified as estimated values (UJ or J) in soil samples 12L0409-(02-08 inclusive). 1,4-Dioxane and THF were qualified as estimated values (UJ or J) in water samples 12L0409- (09-19 inclusive). TBA was qualified as an estimated value (UJ or J) in water samples 12L0409- (11-19 inclusive). Indication of low bias due to low calibration RRF values.

Target compounds naphthalene, 2,2-dichloropropane, 1,2,3-trichlorobenzene and trans-1,3-dichloropropene presented soil CCV %D values above the method limit, with reduced sensitivity.
Target compounds naphthalene, chloromethane, bromoform, DBCP, 1,2,3-trichloro-benzene and trans-1,4-dichlorobutene presented aqueous CCV %D values above the method limit, with reduced sensitivity.

2,2-Dichloropropane and *trans*-1,3-dichloropropene were qualified as estimated values (UJ or J) in soil sample 12L0409-01; naphthalene was qualified as an estimated value (UJ or J) in soil samples 12L0409- (02-08 inclusive); 1,2,3-trichlorobenzene was qualified as an estimated value (UJ or J) in soil samples 12L0409- (02-06 inclusive) and -08. Naphthalene, chloromethane, bromoform, DBCP, 1,2,3-trichlorobenzene and *trans*-1,3-dichlorobutene were qualified as estimated values (UJ or J) in water samples 12L0409-(11-19 inclusive). Indication of low bias due to CCV %D values above limit, with reduced sensitivity.

<u>Semivolatile Organics (SVOC)</u>
The laboratory flagged target compound pentachloronitrobenzene as presenting a low RRF value of 0.034. However, this compound does not have a listed minimum RRF, and similar compounds typically are allowed a minimum RRF of 0.010, and the RRFs were consistent (RSD=5.6%) from low to high concentration. Therefore, no validation qualifiers were assigned for this compound by the reviewer.

The aqueous Initial Calibration %RSD for 2,4-dinitrophenol exceeded the limit and the compound was calibrated via linear regression, which is an acceptable option; however the R-value was below the minimum limit of 0.99. Target compounds 4-nitrophenol, benzo(ghi)perylene and benzidine presented aqueous CCV %D values above the method limit, with reduced sensitivity.

Target compounds 2,4-dinitrophenol,4-nitrophenol, benzo(ghi)perylene and benzidine were qualified as estimated values (UJ or J) in water sample 12L0409-14. Indication of low bias due to CCV %D values above limit, with reduced sensitivity, and reduced sensitivity (2,4-dinitrophenol) due to IC non-linearity.

DATA USABILITY SUMMARY REPORT
(DUSR)

DATA USABILITY SUMMARY REPORT
Volatile Organics
by SW-846 Method 8260
Laboratory SDG: Data Package # 12L0458

Sample Identification

Field Sample ID	Lab ID	Matrix
B-26 (6-8ft)	12L0458-01	Soil
B-27 (3-4ft)	12L0458-02	Soil
B-22 (0-4ft)	12L0458-03	Soil
B-25 (5-6ft)	12L0458-04	Soil
Cistern (soil)	12L0458-05	Soil
Cistern (GW)	12L0458-06	Water
CB-2	12L0458-07	Water
CB-1	12L0458-08	Water
B-14	12L0458-09	Water
FB-3	12L0458-10	Water
TB-4	12L0458-11	Water

I. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

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II. TECHNICAL DATA VALIDATION

The quality control elements that were reviewed are listed below:

Holding Times
Blanks (Method/Equipment)
Reported Results
Accuracy
Precision
Instrument Performance and Calibration

Any volatile samples or QC samples which presented QC outliers resulting in data qualifiers are discussed in the applicable sections below.

Holding Times

Prescribed holding times for all samples were met.

Blanks (Method/Equipment)

All blanks were reported free of contamination.

Reported Results

Reported positive results in field samples were qualitatively verified from raw data chromatograms and spectral match.

Accuracy

Surrogate recoveries and internal standard responses were within limits. No MS/MSD samples were identified for this SDG.
Blank Spike (LCS) and LCS Duplicate samples were reported. The following compounds presented recoveries below limits in soil LCS/LCSD which resulted in qualification in the noted associated samples: chloromethane and *trans*-1,4-dichlorobutene, sample 12L0458-05. The following compounds presented recoveries below limits in aqueous LCS/LCSD which resulted in qualification in the noted associated samples: Freon-12, samples 12L0458-10 and -11; chloromethane and *trans*-1,4-dichlorobutene, samples 12L0458-06, -07, -08 and -09.The noted compounds were qualified as estimated values (UJ or J) in the associated samples, with indication of low bias due to low LCS/LCSD recoveries.

Precision

No MS/MSD samples were identified for this SDG. LCS Duplicate samples were reported. No field duplicate samples for were identified for this SDG.

Instrument Performance and Calibration

Calibration parameters were within acceptable limits, with the following exceptions:

IC (soils): target compounds 1,2-dibromo-3-chloropropane (DBCP), 1,4-dioxane, acetone, 2-butanone (MEK), tert-butyl alcohol (TBA) and tetrahydrofuran (THF) presented relative response factor (RRF) values below the method limits.
IC (H_2O): Target compounds 1,4-dioxane, TBA and THF presented relative response factor (RRF) values below the method limits.

Target compounds DBCP, 1,4-dioxane, acetone, MEK,TBA and THF were qualified as estimated (UJ or J) in soil samples 12L0458- 01, -02 and -04, and 1,4-dioxane, TBA and THF were qualified as estimated (UJ or J) in soil sample 12L0458-05.
Target compounds 1,4-dioxane, TBA and THF were qualified as estimated (UJ or J) in water samples 12L0458- (06-09, inclusive). 1,4-Dioxane and TBA were qualified as estimated (UJ or J) in water samples 12L0458-11 and -12. Indication of low bias due to low calibration RRF values.

Target compounds bromoform, chloromethane, naphthalene, *trans*-1,3-dichloropropene and *trans*-1,4-dichlorobutene presented soil CCV %D values above the method limit, with reduced sensitivity.
Target compounds bromoform, chloromethane, 2,2-dichloropropane, *trans*-1,3-dichloropropene and *trans*-1,4-dichlorobutene presented aqueous CCV %D values above the method limit, with reduced sensitivity.

Naphthalene was qualified as an estimated value (UJ or J) in soil samples 12L0458-01, -02 and -04; bromoform, chloromethane, *trans*-1,3-dichloropropene and *trans*-1,4-dichlorobutene were qualified as estimated values (UJ or J) in soil sample 12L0458-05. Bromoform, chloromethane, *trans*-1,3-dichloropropene and *trans*-1,4-dichlorobutene were qualified as estimated values (UJ or J) in water samples 12L0458- (06-09 inclusive); 2,2-dichloropropane and *trans*-1,3-dichloropropene were qualified as estimated values (UJ or J) in water samples 12L0458-11 and -12. Indication of low bias due to CCV %D values above limit.

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
FORMER DORO CLEANERS, BUFFALO, NEW YORK

Client: CDM Smith, Inc., Latham, New York
SDG: 13C0408
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, Massachusetts
Site: Former Doro Cleaners, Buffalo, New York
Date: October 17, 2013

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	FB-1_3-13-13	13C0408-01	Water
2	B-46_3-13-13	13C0408-02	Water
3	B-54_3-13-13	13C0408-03	Water
4	B-48_3-13-13	13C0408-04	Water
5	B-47_3-13-13	13C0408-05	Water
6	B-50_3-13-13	13C0408-06	Water
7	B-51_3-13-13	13C0408-07	Water
8	B-53_3-13-13	13C0408-08	Water
9	B-44_3-13-13	13C0408-09	Water
9MS	B-44_3-13-13MS	13C0408-09MS	Water
9MSD	B-44_3-13-13MSD	13C0408-09MSD	Water
10	B-52_3-13-13	13C0408-10	Water
11	B-45_3-13-13	13C0408-11	Water
12	FD-01_3-13-13	13C0408-12	Water

A Data Usability Summary Review was performed on the analytical data for eleven water samples and one aqueous field blank sample collected March 13, 2013 by CDM Smith at the Former Doro Cleaners site in Buffalo, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".*

Specific method references are as follows:

Analysis	*Method References*
VOCs	USEPA SW-846 Method 8260C

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-24, Revision 2, August 2008: Validating Volatile Organic Compounds by SW-846 Method 8260B;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Field Duplicate sample precision
- Tentatively Identified Compounds (TICs)

Overall Usability Issues:

There were several rejections of data. This data cannot be used in the decision-making process for this project.

- tert-Butyl alcohol and 1,4-dioxane were rejected in all samples due to low initial calibration RRF values.

Overall the remaining data is acceptable for the intended purposes as qualified for the following deficiencies.

- Seven compounds were qualified as estimated in one sample due to low MS/MSD recoveries.
- Six compounds were qualified as estimated in all samples due to high continuing calibration %D values.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organics Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate recoveries.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier
9	Acetone	49.8%/51.1%/OK	None - See CCAL
	Acrylonitrile	55.2%/55.6%/OK	J/UJ
	2-Butanone (MEK)	43.1%/43.5%/OK	
	tert-Butyl alcohol (TBA)	49.6%/52.5%/OK	None - See ICAL
	1,2-Dibromo-3-chloropropane	46.7%/46.8%/OK	J/UJ
	trans-1,4-Dichloro-2-butene	46.1%/46.4%/OK	None - See CCAL
	1,4-Dioxane	62.4%/60.0%/OK	None - See ICAL
	2-Hexanone	49.1%/48.3%/OK	None - See CCAL
	Methylene chloride	57.9%/53.8%/OK	None - See CCAL
	4-Methyl-2-pentanone (MIBK)	52.1%/52.1%/OK	None - See CCAL
	Naphthalene	47.9%/54.9%OK	J/UJ
	Tetrahydrofuran	49.4%/ 56.8%/OK	
	1,2,3-Trichlorobenzene	54.8%/61.3%/OK	
	1,2,3-Trichloropropane	69.4%/OK/OK	

Laboratory Control Samples

- The LCS samples exhibited acceptable %R values.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
FB-1_3-13-13	None - ND	-	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The following table presents compounds that exceeded 20 percent relative standard deviation (%RSD) and/or average RRF values <0.05 in the initial calibration (ICAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %RSD may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
03/11/13	tert-Butyl alcohol	0.026 RRF	J/R	All Samples
	1,4-Dioxane	0.002 RRF	J/R	

Continuing Calibration

- The following table presents compounds that exceeded 20 percent deviation (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
03/19/13	Acetone	24.5%	J/UJ	All Samples
	Chloromethane	25.6%	J/UJ	
	tert-Butyl alcohol	0.026 RRF	None	See ICAL
	trans-1,4-Dichloro-2-butene	29.6%	J/UJ	All Samples
	1,4-Dioxane	0.002 RRF	None	See ICAL
	2-Hexanone	22.7%	J/UJ	All Samples
	Methylene chloride	41.0%	J/UJ	
	4-Methyl-2-pentanone	22.7%	J/UJ	

Compound Quantitation

- All criteria were met.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate results are summarized below.

VOC				
Compound	B-53_3-13-13 ug/L	FD-01_3-13-13 ug/L	RPD	Qualifier
Toluene	0.040U	1.3	NC	None

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 10/21/13

Nancy Weaver
Senior Chemist

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for, but was not detected above the sample reporting limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

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1 - FORM I
ANALYSIS DATA SHEET

FB-1_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-01	File ID:	ve078016.D
Sampled:	03/13/13 13:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 17:20
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039

Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		0.54	50 UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50	
71-43-2	Benzene		0.050	1.0	
108-86-1	Bromobenzene		0.10	1.0	
74-97-5	Bromochloromethane		0.10	1.0	
75-27-4	Bromodichloromethane		0.080	0.50	
75-25-2	Bromoform		0.25	1.0	
74-83-9	Bromomethane		0.38	5.0	
78-93-3	2-Butanone (MEK)		0.41	20	
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20 R	~~V-16~~
104-51-8	n-Butylbenzene		0.050	2.0	
135-98-8	sec-Butylbenzene		0.050	2.0	
98-06-6	tert-Butylbenzene		0.050	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50	
75-15-0	Carbon Disulfide		0.050	4.0	
56-23-5	Carbon Tetrachloride		0.090	5.0	
108-90-7	Chlorobenzene		0.050	1.0	
124-48-1	Chlorodibromomethane		0.12	0.50	
75-00-3	Chloroethane		0.33	2.0	
67-66-3	Chloroform		0.040	2.0	
74-87-3	Chloromethane		0.13	2.0 UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0	
106-43-4	4-Chlorotoluene		0.050	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0	

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1 - FORM I
ANALYSIS DATA SHEET

FB-1_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-01	File ID:	ve078016.D
Sampled:	03/13/13 13:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 17:20
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

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1 - FORM I
ANALYSIS DATA SHEET

FB-1_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-01	File ID:	ve078016.D
Sampled:	03/13/13 13:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 17:20
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0	
75-09-2	Methylene Chloride		2.3	5.0	UJ ~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ ~~V-05~~
91-20-3	Naphthalene		0.21	2.0	
103-65-1	n-Propylbenzene		0.040	1.0	
100-42-5	Styrene		0.060	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50	
127-18-4	Tetrachloroethylene		0.14	1.0	
109-99-9	Tetrahydrofuran		1.0	10	
108-88-3	Toluene		0.040	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0	
71-55-6	1,1,1-Trichloroethane		0.050	1.0	
79-00-5	1,1,2-Trichloroethane		0.080	1.0	
79-01-6	Trichloroethylene		0.12	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0	
96-18-4	1,2,3-Trichloropropane		0.21	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0	
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0	
75-01-4	Vinyl Chloride		0.16	2.0	
108383/106423	m+p Xylene		0.070	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

FB-1_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-01	File ID:	ve078016.D		
Sampled:	03/13/13 13:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 17:20		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

2

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1 - FORM I
ANALYSIS DATA SHEET

B-46_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-02	File ID:	ve078017.D		
Sampled:	03/13/13 11:25	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 17:46		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		0.54	50	UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50		
71-43-2	Benzene		0.050	1.0		
108-86-1	Bromobenzene		0.10	1.0		
74-97-5	Bromochloromethane		0.10	1.0		
75-27-4	Bromodichloromethane		0.080	0.50		
75-25-2	Bromoform		0.25	1.0		
74-83-9	Bromomethane		0.38	5.0		
78-93-3	2-Butanone (MEK)		0.41	20		
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.050	2.0		
135-98-8	sec-Butylbenzene		0.050	2.0		
98-06-6	tert-Butylbenzene		0.050	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50		
75-15-0	Carbon Disulfide		0.050	4.0		
56-23-5	Carbon Tetrachloride		0.090	5.0		
108-90-7	Chlorobenzene		0.050	1.0		
124-48-1	Chlorodibromomethane		0.12	0.50		
75-00-3	Chloroethane		0.33	2.0		
67-66-3	Chloroform		0.040	2.0		
74-87-3	Chloromethane		0.13	2.0	UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0		
106-43-4	4-Chlorotoluene		0.050	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0		

2

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1 - FORM I
ANALYSIS DATA SHEET

B-46_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-02	File ID:	ve078017.D		
Sampled:	03/13/13 11:25	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 17:46		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

2

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1 - FORM I
ANALYSIS DATA SHEET

B-46_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-02	File ID:	ve078017.D
Sampled:	03/13/13 11:25	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 17:46
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039

Instrument: GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0		
75-09-2	Methylene Chloride		2.3	5.0	UJ	~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ	~~V-05~~
91-20-3	Naphthalene		0.21	2.0		
103-65-1	n-Propylbenzene		0.040	1.0		
100-42-5	Styrene		0.060	1.0		
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0		
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50		
127-18-4	Tetrachloroethylene		0.14	1.0		
109-99-9	Tetrahydrofuran		1.0	10		
108-88-3	Toluene		0.040	1.0		
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0		
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0		
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0		
71-55-6	1,1,1-Trichloroethane		0.050	1.0		
79-00-5	1,1,2-Trichloroethane		0.080	1.0		
79-01-6	Trichloroethylene		0.12	1.0		
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0		
96-18-4	1,2,3-Trichloropropane		0.21	2.0		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0		
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0		
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0		
75-01-4	Vinyl Chloride		0.16	2.0		
108383/106423	m+p Xylene		0.070	2.0		

2

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1 - FORM I
ANALYSIS DATA SHEET

B-46_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-02	File ID:	ve078017.D		
Sampled:	03/13/13 11:25	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 17:46		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

3

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1 - FORM I
ANALYSIS DATA SHEET

B-54_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-03	File ID:	ve078018.D
Sampled:	03/13/13 11:05	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 18:13
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		0.54	50	UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50		
71-43-2	Benzene		0.050	1.0		
108-86-1	Bromobenzene		0.10	1.0		
74-97-5	Bromochloromethane		0.10	1.0		
75-27-4	Bromodichloromethane		0.080	0.50		
75-25-2	Bromoform		0.25	1.0		
74-83-9	Bromomethane		0.38	5.0		
78-93-3	2-Butanone (MEK)		0.41	20		
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.050	2.0		
135-98-8	sec-Butylbenzene		0.050	2.0		
98-06-6	tert-Butylbenzene		0.050	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50		
75-15-0	Carbon Disulfide		0.050	4.0		
56-23-5	Carbon Tetrachloride		0.090	5.0		
108-90-7	Chlorobenzene		0.050	1.0		
124-48-1	Chlorodibromomethane		0.12	0.50		
75-00-3	Chloroethane		0.33	2.0		
67-66-3	Chloroform		0.040	2.0		
74-87-3	Chloromethane		0.13	2.0	UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0		
106-43-4	4-Chlorotoluene		0.050	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0		

3

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-54_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-03	File ID:	ve078018.D
Sampled:	03/13/13 11:05	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 18:13
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

3

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-54_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-03	File ID:	ve078018.D
Sampled:	03/13/13 11:05	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 18:13
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
				Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0		
75-09-2	Methylene Chloride		2.3	5.0	UJ	~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ	~~V-05~~
91-20-3	Naphthalene		0.21	2.0		
103-65-1	n-Propylbenzene		0.040	1.0		
100-42-5	Styrene		0.060	1.0		
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0		
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50		
127-18-4	Tetrachloroethylene		0.14	1.0		
109-99-9	Tetrahydrofuran		1.0	10		
108-88-3	Toluene		0.040	1.0		
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0		
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0		
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0		
71-55-6	1,1,1-Trichloroethane		0.050	1.0		
79-00-5	1,1,2-Trichloroethane		0.080	1.0		
79-01-6	Trichloroethylene		0.12	1.0		
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0		
96-18-4	1,2,3-Trichloropropane		0.21	2.0		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0		
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0		
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0		
75-01-4	Vinyl Chloride		0.16	2.0		
108383/106423	m+p Xylene		0.070	2.0		

3

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-54_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-03	File ID:	ve078018.D		
Sampled:	03/13/13 11:05	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 18:13		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

4

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1 - FORM I
ANALYSIS DATA SHEET

B-48_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-04	File ID:	ve078019.D
Sampled:	03/13/13 12:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 18:39
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		0.54	50	UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50		
71-43-2	Benzene		0.050	1.0		
108-86-1	Bromobenzene		0.10	1.0		
74-97-5	Bromochloromethane		0.10	1.0		
75-27-4	Bromodichloromethane		0.080	0.50		
75-25-2	Bromoform		0.25	1.0		
74-83-9	Bromomethane		0.38	5.0		
78-93-3	2-Butanone (MEK)		0.41	20		
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.050	2.0		
135-98-8	sec-Butylbenzene		0.050	2.0		
98-06-6	tert-Butylbenzene		0.050	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50		
75-15-0	Carbon Disulfide		0.050	4.0		
56-23-5	Carbon Tetrachloride		0.090	5.0		
108-90-7	Chlorobenzene		0.050	1.0		
124-48-1	Chlorodibromomethane		0.12	0.50		
75-00-3	Chloroethane		0.33	2.0		
67-66-3	Chloroform		0.040	2.0		
74-87-3	Chloromethane		0.13	2.0	UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0		
106-43-4	4-Chlorotoluene		0.050	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0		

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-48_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-04	File ID:	ve078019.D
Sampled:	03/13/13 12:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 18:39
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039

Instrument: GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

4

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-48_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-04	File ID:	ve078019.D
Sampled:	03/13/13 12:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 18:39
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0		
75-09-2	Methylene Chloride		2.3	5.0	UJ	~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ	~~V-05~~
91-20-3	Naphthalene		0.21	2.0		
103-65-1	n-Propylbenzene		0.040	1.0		
100-42-5	Styrene		0.060	1.0		
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0		
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50		
127-18-4	Tetrachloroethylene		0.14	1.0		
109-99-9	Tetrahydrofuran		1.0	10		
108-88-3	Toluene		0.040	1.0		
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0		
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0		
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0		
71-55-6	1,1,1-Trichloroethane		0.050	1.0		
79-00-5	1,1,2-Trichloroethane		0.080	1.0		
79-01-6	Trichloroethylene		0.12	1.0		
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0		
96-18-4	1,2,3-Trichloropropane		0.21	2.0		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0		
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0		
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0		
75-01-4	Vinyl Chloride		0.16	2.0		
108383/106423	m+p Xylene		0.070	2.0		

4

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-48_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-04	File ID:	ve078019.D		
Sampled:	03/13/13 12:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 18:39		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-47_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-05	File ID:	ve078020.D
Sampled:	03/13/13 11:45	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:05
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		0.54	50	UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50		
71-43-2	Benzene		0.050	1.0		
108-86-1	Bromobenzene		0.10	1.0		
74-97-5	Bromochloromethane		0.10	1.0		
75-27-4	Bromodichloromethane		0.080	0.50		
75-25-2	Bromoform		0.25	1.0		
74-83-9	Bromomethane		0.38	5.0		
78-93-3	2-Butanone (MEK)		0.41	20		
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.050	2.0		
135-98-8	sec-Butylbenzene		0.050	2.0		
98-06-6	tert-Butylbenzene		0.050	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50		
75-15-0	Carbon Disulfide		0.050	4.0		
56-23-5	Carbon Tetrachloride		0.090	5.0		
108-90-7	Chlorobenzene		0.050	1.0		
124-48-1	Chlorodibromomethane		0.12	0.50		
75-00-3	Chloroethane		0.33	2.0		
67-66-3	Chloroform		0.040	2.0		
74-87-3	Chloromethane		0.13	2.0	UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0		
106-43-4	4-Chlorotoluene		0.050	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0		

5

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-47_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-05	File ID:	ve078020.D
Sampled:	03/13/13 11:45	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:05
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

5

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-47_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-05	File ID:	ve078020.D
Sampled:	03/13/13 11:45	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:05
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039

Instrument: GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0		
75-09-2	Methylene Chloride		2.3	5.0	UJ	~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ	~~V-05~~
91-20-3	Naphthalene		0.21	2.0		
103-65-1	n-Propylbenzene		0.040	1.0		
100-42-5	Styrene		0.060	1.0		
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0		
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50		
127-18-4	Tetrachloroethylene		0.14	1.0		
109-99-9	Tetrahydrofuran		1.0	10		
108-88-3	Toluene		0.040	1.0		
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0		
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0		
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0		
71-55-6	1,1,1-Trichloroethane		0.050	1.0		
79-00-5	1,1,2-Trichloroethane		0.080	1.0		
79-01-6	Trichloroethylene		0.12	1.0		
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0		
96-18-4	1,2,3-Trichloropropane		0.21	2.0		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0		
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0		
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0		
75-01-4	Vinyl Chloride		0.16	2.0		
108383/106423	m+p Xylene		0.070	2.0		

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-47_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-05	File ID:	ve078020.D		
Sampled:	03/13/13 11:45	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:05		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

6

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1 - FORM I
ANALYSIS DATA SHEET

B-50_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-06	File ID:	ve078027.D
Sampled:	03/13/13 10:35	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 22:09
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		0.54	50	UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50		
71-43-2	Benzene		0.050	1.0		
108-86-1	Bromobenzene		0.10	1.0		
74-97-5	Bromochloromethane		0.10	1.0		
75-27-4	Bromodichloromethane		0.080	0.50		
75-25-2	Bromoform		0.25	1.0		
74-83-9	Bromomethane		0.38	5.0		
78-93-3	2-Butanone (MEK)		0.41	20		
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.050	2.0		
135-98-8	sec-Butylbenzene		0.050	2.0		
98-06-6	tert-Butylbenzene		0.050	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50		
75-15-0	Carbon Disulfide		0.050	4.0		
56-23-5	Carbon Tetrachloride		0.090	5.0		
108-90-7	Chlorobenzene		0.050	1.0		
124-48-1	Chlorodibromomethane		0.12	0.50		
75-00-3	Chloroethane		0.33	2.0		
67-66-3	Chloroform		0.040	2.0		
74-87-3	Chloromethane		0.13	2.0	UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0		
106-43-4	4-Chlorotoluene		0.050	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0		

6

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1 - FORM I
ANALYSIS DATA SHEET

B-50_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-06	File ID:	ve078027.D
Sampled:	03/13/13 10:35	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 22:09
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
				Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene	53	0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

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1 - FORM I
ANALYSIS DATA SHEET

B-50_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-06	File ID:	ve078027.D	NM	
Sampled:	03/13/13 10:35	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 22:09	10/17/13	
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0		
75-09-2	Methylene Chloride		2.3	5.0	UJ	~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ	~~V-05~~
91-20-3	Naphthalene		0.21	2.0		
103-65-1	n-Propylbenzene		0.040	1.0		
100-42-5	Styrene		0.060	1.0		
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0		
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50		
127-18-4	Tetrachloroethylene		0.14	1.0		
109-99-9	Tetrahydrofuran		1.0	10		
108-88-3	Toluene		0.040	1.0		
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0		
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0		
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0		
71-55-6	1,1,1-Trichloroethane		0.050	1.0		
79-00-5	1,1,2-Trichloroethane		0.080	1.0		
79-01-6	Trichloroethylene		0.12	1.0		
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0		
96-18-4	1,2,3-Trichloropropane		0.21	2.0		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0		
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0		
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0		
75-01-4	Vinyl Chloride	8.5	0.16	2.0		
108383/106423	m+p Xylene		0.070	2.0		

6

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-50_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-06	File ID:	ve078027.D		
Sampled:	03/13/13 10:35	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 22:09		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

7

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-51_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-07	File ID:	ve078021.D
Sampled:	03/13/13 10:15	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:31
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		0.54	50	UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50		
71-43-2	Benzene		0.050	1.0		
108-86-1	Bromobenzene		0.10	1.0		
74-97-5	Bromochloromethane		0.10	1.0		
75-27-4	Bromodichloromethane		0.080	0.50		
75-25-2	Bromoform		0.25	1.0		
74-83-9	Bromomethane		0.38	5.0		
78-93-3	2-Butanone (MEK)		0.41	20		
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R	~~V-10~~
104-51-8	n-Butylbenzene		0.050	2.0		
135-98-8	sec-Butylbenzene		0.050	2.0		
98-06-6	tert-Butylbenzene		0.050	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50		
75-15-0	Carbon Disulfide		0.050	4.0		
56-23-5	Carbon Tetrachloride		0.090	5.0		
108-90-7	Chlorobenzene		0.050	1.0		
124-48-1	Chlorodibromomethane		0.12	0.50		
75-00-3	Chloroethane		0.33	2.0		
67-66-3	Chloroform		0.040	2.0		
74-87-3	Chloromethane		0.13	2.0	UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0		
106-43-4	4-Chlorotoluene		0.050	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0		

7

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-51_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-07	File ID:	ve078021.D
Sampled:	03/13/13 10:15	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:31
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

7

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-51_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-07	File ID:	ve078021.D		
Sampled:	03/13/13 10:15	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:31		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0		
75-09-2	Methylene Chloride		2.3	5.0	UJ	~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ	V-05
91-20-3	Naphthalene		0.21	2.0		
103-65-1	n-Propylbenzene		0.040	1.0		
100-42-5	Styrene		0.060	1.0		
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0		
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50		
127-18-4	Tetrachloroethylene		0.14	1.0		
109-99-9	Tetrahydrofuran		1.0	10		
108-88-3	Toluene	1.2	0.040	1.0		
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0		
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0		
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0		
71-55-6	1,1,1-Trichloroethane		0.050	1.0		
79-00-5	1,1,2-Trichloroethane		0.080	1.0		
79-01-6	Trichloroethylene		0.12	1.0		
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0		
96-18-4	1,2,3-Trichloropropane		0.21	2.0		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0		
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0		
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0		
75-01-4	Vinyl Chloride		0.16	2.0		
108383/106423	m+p Xylene		0.070	2.0		

7

con-test® ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-51_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-07	File ID:	ve078021.D
Sampled:	03/13/13 10:15	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:31
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

MW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

8

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-53_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-08	File ID:	ve078022.D		
Sampled:	03/13/13 09:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:58		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		0.54	50	UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50		
71-43-2	Benzene		0.050	1.0		
108-86-1	Bromobenzene		0.10	1.0		
74-97-5	Bromochloromethane		0.10	1.0		
75-27-4	Bromodichloromethane		0.080	0.50		
75-25-2	Bromoform		0.25	1.0		
74-83-9	Bromomethane		0.38	5.0		
78-93-3	2-Butanone (MEK)		0.41	20		
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R	~~V-10~~
104-51-8	n-Butylbenzene		0.050	2.0		
135-98-8	sec-Butylbenzene		0.050	2.0		
98-06-6	tert-Butylbenzene		0.050	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50		
75-15-0	Carbon Disulfide		0.050	4.0		
56-23-5	Carbon Tetrachloride		0.090	5.0		
108-90-7	Chlorobenzene		0.050	1.0		
124-48-1	Chlorodibromomethane		0.12	0.50		
75-00-3	Chloroethane		0.33	2.0		
67-66-3	Chloroform		0.040	2.0		
74-87-3	Chloromethane		0.13	2.0	UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0		
106-43-4	4-Chlorotoluene		0.050	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0		

8

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-53_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-08	File ID:	ve078022.D
Sampled:	03/13/13 09:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:58
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039

Instrument: GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

8

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-53_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-08	File ID:	ve078022.D
Sampled:	03/13/13 09:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:58
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0		
75-09-2	Methylene Chloride		2.3	5.0	UJ	~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ	~~V-05~~
91-20-3	Naphthalene		0.21	2.0		
103-65-1	n-Propylbenzene		0.040	1.0		
100-42-5	Styrene		0.060	1.0		
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0		
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50		
127-18-4	Tetrachloroethylene		0.14	1.0		
109-99-9	Tetrahydrofuran		1.0	10		
108-88-3	Toluene		0.040	1.0		
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0		
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0		
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0		
71-55-6	1,1,1-Trichloroethane		0.050	1.0		
79-00-5	1,1,2-Trichloroethane		0.080	1.0		
79-01-6	Trichloroethylene		0.12	1.0		
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0		
96-18-4	1,2,3-Trichloropropane		0.21	2.0		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0		
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0		
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0		
75-01-4	Vinyl Chloride		0.16	2.0		
108383/106423	m+p Xylene		0.070	2.0		

8

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-53_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-08	File ID:	ve078022.D		
Sampled:	03/13/13 09:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 19:58		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

9

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-44_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-09	File ID:	ve078023.D
Sampled:	03/13/13 08:30	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 20:24
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		0.54	50	UJ ~~MS-07A, V-05~~
107-13-1	Acrylonitrile		0.51	5.0	UJ ~~MS-07A~~
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50	
71-43-2	Benzene		0.050	1.0	
108-86-1	Bromobenzene		0.10	1.0	
74-97-5	Bromochloromethane		0.10	1.0	
75-27-4	Bromodichloromethane		0.080	0.50	
75-25-2	Bromoform		0.25	1.0	
74-83-9	Bromomethane		0.38	5.0	
78-93-3	2-Butanone (MEK)		0.41	20	UJ ~~MS-07A~~
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R ~~MS-07A, V-16~~
104-51-8	n-Butylbenzene		0.050	2.0	
135-98-8	sec-Butylbenzene		0.050	2.0	
98-06-6	tert-Butylbenzene		0.050	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50	
75-15-0	Carbon Disulfide		0.050	4.0	
56-23-5	Carbon Tetrachloride		0.090	5.0	
108-90-7	Chlorobenzene		0.050	1.0	
124-48-1	Chlorodibromomethane		0.12	0.50	
75-00-3	Chloroethane		0.33	2.0	
67-66-3	Chloroform		0.040	2.0	
74-87-3	Chloromethane		0.13	2.0	UJ ~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0	
106-43-4	4-Chlorotoluene		0.050	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0	UJ ~~MS-07A~~

9

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1 - FORM I
ANALYSIS DATA SHEET

B-44_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-09	File ID:	ve078023.D		
Sampled:	03/13/13 08:30	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 20:24		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50	
74-95-3	Dibromomethane		0.080	1.0	
95-50-1	1,2-Dichlorobenzene		0.060	1.0	
541-73-1	1,3-Dichlorobenzene		0.060	1.0	
106-46-7	1,4-Dichlorobenzene		0.11	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ ~~MS-07A, V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0	
75-34-3	1,1-Dichloroethane		0.090	1.0	
107-06-2	1,2-Dichloroethane		0.090	1.0	
75-35-4	1,1-Dichloroethylene		0.10	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0	
78-87-5	1,2-Dichloropropane		0.20	1.0	
142-28-9	1,3-Dichloropropane		0.080	0.50	
594-20-7	2,2-Dichloropropane		0.13	1.0	
563-58-6	1,1-Dichloropropene		0.10	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50	
60-29-7	Diethyl Ether		0.10	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50	
123-91-1	1,4-Dioxane		3.5	50	R ~~MS-07A, V-10~~
100-41-4	Ethylbenzene		0.050	1.0	
87-68-3	Hexachlorobutadiene		0.26	0.50	
591-78-6	2-Hexanone (MBK)		0.66	10	UJ ~~MS-07A, V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0	

9

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1 - FORM I
ANALYSIS DATA SHEET

B-44_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-09	File ID:	ve078023.D
Sampled:	03/13/13 08:30	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 20:24
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039

Instrument: GCMSVOA5

NM 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0	
75-09-2	Methylene Chloride		2.3	5.0	UJ ~~MS-07A, V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	~~MS-07A, V-05~~
91-20-3	Naphthalene		0.21	2.0	~~MS-07A~~
103-65-1	n-Propylbenzene		0.040	1.0	
100-42-5	Styrene		0.060	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50	
127-18-4	Tetrachloroethylene		0.14	1.0	
109-99-9	Tetrahydrofuran		1.0	10	UJ ~~MS-07A~~
108-88-3	Toluene		0.040	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0	UJ ~~MS-07A~~
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0	
71-55-6	1,1,1-Trichloroethane		0.050	1.0	
79-00-5	1,1,2-Trichloroethane		0.080	1.0	
79-01-6	Trichloroethylene		0.12	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0	
96-18-4	1,2,3-Trichloropropane		0.21	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0	
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0	
75-01-4	Vinyl Chloride		0.16	2.0	
108383/106423	m+p Xylene		0.070	2.0	

9

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-44_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-09	File ID:	ve078023.D		
Sampled:	03/13/13 08:30	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 20:24		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

10

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-52_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-10	File ID:	ve078024.D
Sampled:	03/13/13 09:50	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 20:50
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
				Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone	68	0.54	50	UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50		
71-43-2	Benzene		0.050	1.0		
108-86-1	Bromobenzene		0.10	1.0		
74-97-5	Bromochloromethane		0.10	1.0		
75-27-4	Bromodichloromethane		0.080	0.50		
75-25-2	Bromoform		0.25	1.0		
74-83-9	Bromomethane		0.38	5.0		
78-93-3	2-Butanone (MEK)		0.41	20		
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.050	2.0		
135-98-8	sec-Butylbenzene		0.050	2.0		
98-06-6	tert-Butylbenzene		0.050	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50		
75-15-0	Carbon Disulfide		0.050	4.0		
56-23-5	Carbon Tetrachloride		0.090	5.0		
108-90-7	Chlorobenzene		0.050	1.0		
124-48-1	Chlorodibromomethane		0.12	0.50		
75-00-3	Chloroethane		0.33	2.0		
67-66-3	Chloroform		0.040	2.0		
74-87-3	Chloromethane		0.13	2.0	UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0		
106-43-4	4-Chlorotoluene		0.050	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0		

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-52_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-10	File ID:	ve078024.D	
Sampled:	03/13/13 09:50	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 20:50	
Solids:		Preparation:	SW-846 5030B	Dilution:	1	
Initial/Final:	5 mL / 5 mL					
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument: GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

B-52_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-10	File ID:	ve078024.D
Sampled:	03/13/13 09:50	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 20:50
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0		
75-09-2	Methylene Chloride		2.3	5.0	UJ	~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ	~~V-05~~
91-20-3	Naphthalene		0.21	2.0		
103-65-1	n-Propylbenzene		0.040	1.0		
100-42-5	Styrene		0.060	1.0		
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0		
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50		
127-18-4	Tetrachloroethylene		0.14	1.0		
109-99-9	Tetrahydrofuran		1.0	10		
108-88-3	Toluene		0.040	1.0		
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0		
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0		
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0		
71-55-6	1,1,1-Trichloroethane		0.050	1.0		
79-00-5	1,1,2-Trichloroethane		0.080	1.0		
79-01-6	Trichloroethylene		0.12	1.0		
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0		
96-18-4	1,2,3-Trichloropropane		0.21	2.0		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0		
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0		
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0		
75-01-4	Vinyl Chloride		0.16	2.0		
108383/106423	m+p Xylene		0.070	2.0		

10

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1 - FORM I
ANALYSIS DATA SHEET

B-52_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-10	File ID:	ve078024.D
Sampled:	03/13/13 09:50	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 20:50
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

11

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1 - FORM I
ANALYSIS DATA SHEET

B-45_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-11	File ID:	ve078025.D
Sampled:	03/13/13 09:25	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 21:16
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039

Instrument: GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone	72	0.54	50	UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50		
71-43-2	Benzene		0.050	1.0		
108-86-1	Bromobenzene		0.10	1.0		
74-97-5	Bromochloromethane		0.10	1.0		
75-27-4	Bromodichloromethane		0.080	0.50		
75-25-2	Bromoform		0.25	1.0		
74-83-9	Bromomethane		0.38	5.0		
78-93-3	2-Butanone (MEK)		0.41	20		
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.050	2.0		
135-98-8	sec-Butylbenzene		0.050	2.0		
98-06-6	tert-Butylbenzene		0.050	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50		
75-15-0	Carbon Disulfide		0.050	4.0		
56-23-5	Carbon Tetrachloride		0.090	5.0		
108-90-7	Chlorobenzene		0.050	1.0		
124-48-1	Chlorodibromomethane		0.12	0.50		
75-00-3	Chloroethane		0.33	2.0		
67-66-3	Chloroform		0.040	2.0		
74-87-3	Chloromethane		0.13	2.0	UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0		
106-43-4	4-Chlorotoluene		0.050	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0		

11

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1 - FORM I
ANALYSIS DATA SHEET

B-45_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-11	File ID:	ve078025.D
Sampled:	03/13/13 09:25	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 21:16
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039

Instrument: GCMSVOA5

NW 10/7/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

11

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1 - FORM I
ANALYSIS DATA SHEET

B-45_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-11	File ID:	ve078025.D		
Sampled:	03/13/13 09:25	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 21:16		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0		
75-09-2	Methylene Chloride		2.3	5.0	UJ	~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ	~~V-05~~
91-20-3	Naphthalene		0.21	2.0		
103-65-1	n-Propylbenzene		0.040	1.0		
100-42-5	Styrene		0.060	1.0		
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0		
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50		
127-18-4	Tetrachloroethylene		0.14	1.0		
109-99-9	Tetrahydrofuran		1.0	10		
108-88-3	Toluene		0.040	1.0		
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0		
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0		
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0		
71-55-6	1,1,1-Trichloroethane		0.050	1.0		
79-00-5	1,1,2-Trichloroethane		0.080	1.0		
79-01-6	Trichloroethylene		0.12	1.0		
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0		
96-18-4	1,2,3-Trichloropropane		0.21	2.0		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0		
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0		
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0		
75-01-4	Vinyl Chloride		0.16	2.0		
108383/106423	m+p Xylene		0.070	2.0		

11

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1 - FORM I
ANALYSIS DATA SHEET

B-45_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-11	File ID:	ve078025.D
Sampled:	03/13/13 09:25	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 21:16
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

12

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1 - FORM I
ANALYSIS DATA SHEET

FD-01_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13C0408-12	File ID:	ve078026.D
Sampled:	03/13/13 00:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 21:43
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		0.54	50	UJ	~~V-05~~
107-13-1	Acrylonitrile		0.51	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.11	0.50		
71-43-2	Benzene		0.050	1.0		
108-86-1	Bromobenzene		0.10	1.0		
74-97-5	Bromochloromethane		0.10	1.0		
75-27-4	Bromodichloromethane		0.080	0.50		
75-25-2	Bromoform		0.25	1.0		
74-83-9	Bromomethane		0.38	5.0		
78-93-3	2-Butanone (MEK)		0.41	20		
75-65-0	tert-Butyl Alcohol (TBA)		3.5	20	R	~~V-10~~
104-51-8	n-Butylbenzene		0.050	2.0		
135-98-8	sec-Butylbenzene		0.050	2.0		
98-06-6	tert-Butylbenzene		0.050	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.070	0.50		
75-15-0	Carbon Disulfide		0.050	4.0		
56-23-5	Carbon Tetrachloride		0.090	5.0		
108-90-7	Chlorobenzene		0.050	1.0		
124-48-1	Chlorodibromomethane		0.12	0.50		
75-00-3	Chloroethane		0.33	2.0		
67-66-3	Chloroform		0.040	2.0		
74-87-3	Chloromethane		0.13	2.0	UJ	~~V-05~~
95-49-8	2-Chlorotoluene		0.050	1.0		
106-43-4	4-Chlorotoluene		0.050	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.48	5.0		

12

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1 - FORM I
ANALYSIS DATA SHEET

FD-01_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-12	File ID:	ve078026.D
Sampled:	03/13/13 00:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 21:43
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NM 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		0.14	0.50		
74-95-3	Dibromomethane		0.080	1.0		
95-50-1	1,2-Dichlorobenzene		0.060	1.0		
541-73-1	1,3-Dichlorobenzene		0.060	1.0		
106-46-7	1,4-Dichlorobenzene		0.11	1.0		
110-57-6	trans-1,4-Dichloro-2-butene		0.77	2.0	UJ	~~V-05~~
75-71-8	Dichlorodifluoromethane (Freon 12)		0.040	2.0		
75-34-3	1,1-Dichloroethane		0.090	1.0		
107-06-2	1,2-Dichloroethane		0.090	1.0		
75-35-4	1,1-Dichloroethylene		0.10	1.0		
156-59-2	cis-1,2-Dichloroethylene		0.050	1.0		
156-60-5	trans-1,2-Dichloroethylene		0.070	1.0		
78-87-5	1,2-Dichloropropane		0.20	1.0		
142-28-9	1,3-Dichloropropane		0.080	0.50		
594-20-7	2,2-Dichloropropane		0.13	1.0		
563-58-6	1,1-Dichloropropene		0.10	2.0		
10061-01-5	cis-1,3-Dichloropropene		0.070	0.50		
10061-02-6	trans-1,3-Dichloropropene		0.12	0.50		
60-29-7	Diethyl Ether		0.10	2.0		
108-20-3	Diisopropyl Ether (DIPE)		0.030	0.50		
123-91-1	1,4-Dioxane		3.5	50	R	~~V-16~~
100-41-4	Ethylbenzene		0.050	1.0		
87-68-3	Hexachlorobutadiene		0.26	0.50		
591-78-6	2-Hexanone (MBK)		0.66	10	UJ	~~V-05~~
98-82-8	Isopropylbenzene (Cumene)		0.060	1.0		

12

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1 - FORM I
ANALYSIS DATA SHEET

FD-01_3-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13C0408		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13C0408-12	File ID:	ve078026.D	NW 10/17/13	
Sampled:	03/13/13 00:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 21:43		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B069146	Sequence:	S004000	Calibration:	1300039	Instrument:	GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.060	1.0		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.050	1.0		
75-09-2	Methylene Chloride		2.3	5.0	UJ	~~V-05~~
108-10-1	4-Methyl-2-pentanone (MIBK)		0.22	10	UJ	~~V-05~~
91-20-3	Naphthalene		0.21	2.0		
103-65-1	n-Propylbenzene		0.040	1.0		
100-42-5	Styrene		0.060	1.0		
630-20-6	1,1,1,2-Tetrachloroethane		0.080	1.0		
79-34-5	1,1,2,2-Tetrachloroethane		0.18	0.50		
127-18-4	Tetrachloroethylene		0.14	1.0		
109-99-9	Tetrahydrofuran		1.0	10		
108-88-3	Toluene	1.3	0.040	1.0		
87-61-6	1,2,3-Trichlorobenzene		0.22	5.0		
120-82-1	1,2,4-Trichlorobenzene		0.11	1.0		
108-70-3	1,3,5-Trichlorobenzene		0.40	1.0		
71-55-6	1,1,1-Trichloroethane		0.050	1.0		
79-00-5	1,1,2-Trichloroethane		0.080	1.0		
79-01-6	Trichloroethylene		0.12	1.0		
75-69-4	Trichlorofluoromethane (Freon 11)		0.070	2.0		
96-18-4	1,2,3-Trichloropropane		0.21	2.0		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.11	2.0		
95-63-6	1,2,4-Trimethylbenzene		0.060	1.0		
108-67-8	1,3,5-Trimethylbenzene		0.060	1.0		
75-01-4	Vinyl Chloride		0.16	2.0		
108383/106423	m+p Xylene		0.070	2.0		

12

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1 - FORM I
ANALYSIS DATA SHEET

FD-01_3-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13C0408	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13C0408-12	File ID:	ve078026.D
Sampled:	03/13/13 00:00	Prepared:	03/15/13 09:05	Analyzed:	03/19/13 21:43
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B069146	Sequence:	S004000	Calibration:	1300039
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.050	1.0	

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
FORMER DORO CLEANERS, BUFFALO, NEW YORK

Client: CDM Smith, Inc., Latham, New York
SDG: 13G0937
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, Massachusetts
Site: Former Doro Cleaners, Buffalo, New York
Date: October 21, 2013

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-06-7-23-13	13G0937-01	Soil
2	TB-01-07-23-13	13G0937-02	Water
3	B-55-07-23-13	13G0937-03	Soil
4	FD-01-7-23-13	13G0937-04	Soil
5	FB-01-7-23-13	13G0937-05	Water
6	FB-2-7-23-13	13G0937-06	Water

A Data Usability Summary Review was performed on the analytical data for three soil samples, one aqueous trip blank sample, and two aqueous field blank samples collected July 23, 2013 by CDM Smith at the Former Doro Cleaners site in Buffalo, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".*

Specific method references are as follows:

Analysis	*Method References*
VOCs	USEPA SW-846 Method 8260C

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-24, Revision 2, August 2008: Validating Volatile Organic Compounds by SW-846 Method 8260B;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries

- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Field Duplicate sample precision
- Tentatively Identified Compounds (TICs)

Overall Usability Issues:

There were several rejections of data. This data cannot be used in the decision-making process for this project.

- tert-Butyl alcohol and 1,4-dioxane were rejected in all samples due to low initial calibration RRF values.

Overall the remaining data is acceptable for the intended purposes as qualified for the following deficiencies.

- Several compounds were qualified as estimated in all samples due to high continuing calibration %D values.
- Two compounds were qualified as estimated in two samples due to poor field duplicate precision.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organics Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water and soil samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate recoveries.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- A MS/MSD sample was not analyzed.

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
B077701-BS1	Bromomethane	137%	None	All Associated ND
	Trichlorofluoromethane	135%	None	
B077818-BS1	Methylene chloride	143%	None	All Associated ND

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
TB-01-07-23-13	None - ND	-	-	-	-
FB-01-07-23-13	None - ND	-	-	-	-
FB-02-07-23-13	Tetrachloroethene	4.0	40	None	All ND

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The following table presents compounds that exceeded 20 percent relative standard deviation (%RSD) and/or average RRF values <0.05 in the initial calibration (ICAL). A low RRF indicates poor indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %RSD may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
07/23/13	tert-Butyl alcohol	0.046 RRF	J/R	All Samples
	1,4-Dioxane	0.003 RRF	J/R	

Continuing Calibration

- The following table presents compounds that exceeded 20 percent deviation (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
07/29/13	Acrylonitrile	22.1%	J/UJ	2, 5, 6
	Bromomethane	131%	J/UJ	
	Carbon disulfide	21.7%	J/UJ	
	2,2-Dichloropropane	25.8%	J/UJ	
	1,4-Dioxane	0.029 RRF	None	See ICAL
	Methylene chloride	39.8%	J/UJ	2, 5, 6
	1,3,5-Trichlorobenzene	20.7%	J/UJ	
07/30/13	1,4-Dioxane	0.029 RRF	None	See ICAL
	tert-Butyl alcohol	0.038 RRF	None	
	Acrylonitrile	26.8%	J/UJ	1, 3, 4
	Bromomethane	109%	J/UJ	
	1,2,3-Trichlorobenzene	21.4%	J/UJ	
	1,2,4-Trichlorobenzene	22.2%	J/UJ	
	1,3,5-Trichlorobenzene	27.3%	J/UJ	
	Trichlorofluoromethane	28.8%	J/UJ	
	1,1,2-Trichloro-1,2,2-trifluoroethane	28.9%	J/UJ	

Compound Quantitation

- Several samples were analyzed at various dilutions due to high concentrations of target compounds.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate results are summarized below. For a high RPD >100% for soil samples, results are considered estimated and qualified (J). A high %RPD may indicate a potential bias due to poor laboratory instrument precision.

VOC				
Compound	B-55-07-23-13 mg/kg	FD-01-7-23-13 mg/kg	RPD	Qualifier
cis-1,2-Dichloroethylene	4.1	2.7U	NC	None
Trichloroethylene	12	1.6	153%	J
Tetrachloroethylene	2600	120	182%	J

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 10/21/13

Nancy Weaver
Senior Chemist

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for, but was not detected above the sample reporting limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

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1 - FORM I
ANALYSIS DATA SHEET

MW-06-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-01	File ID:	VB211020.D
Sampled:	07/23/13 13:25	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 00:15
Solids:	90.90	Preparation:	SW-846 5035	Dilution:	2
Initial/Final:	13.6 g / 16.24 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079
				Instrument:	GCMSVOA2

NW 10/16/13

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q	
67-64-1	Acetone		0.071	6.6		
107-13-1	Acrylonitrile		0.067	0.66	UJ	~~V-05~~
994-05-8	tert-Amyl Methyl Ether (TAME)		0.014	0.066		
71-43-2	Benzene		0.0066	0.13		
108-86-1	Bromobenzene		0.013	0.13		
74-97-5	Bromochloromethane		0.013	0.13		
75-27-4	Bromodichloromethane		0.011	0.13		
75-25-2	Bromoform		0.033	0.13		
74-83-9	Bromomethane		0.050	0.26	UJ	
78-93-3	2-Butanone (MEK)		0.054	2.6		
75-65-0	tert-Butyl Alcohol (TBA)		0.46	2.6	R	~~V-16~~
104-51-8	n-Butylbenzene		0.0066	0.13		
135-98-8	sec-Butylbenzene		0.0066	0.13		
98-06-6	tert-Butylbenzene		0.0066	0.13		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.0092	0.066		
75-15-0	Carbon Disulfide		0.0066	0.66		
56-23-5	Carbon Tetrachloride		0.012	0.13		
108-90-7	Chlorobenzene		0.0066	0.13		
124-48-1	Chlorodibromomethane		0.016	0.066		
75-00-3	Chloroethane		0.043	0.26		
67-66-3	Chloroform		0.0053	0.26		
74-87-3	Chloromethane		0.017	0.26		
95-49-8	2-Chlorotoluene		0.0066	0.13		
106-43-4	4-Chlorotoluene		0.0066	0.13		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.063	0.66		

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1 - FORM I
ANALYSIS DATA SHEET

MW-06-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-01	File ID:	VB211020.D
Sampled:	07/23/13 13:25	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 00:15
Solids:	90.90	Preparation:	SW-846 5035	Dilution:	2
Initial/Final:	13.6 g / 16.24 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079

Instrument: GCMSVOA2

MW 10/16/13

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.018	0.066	
74-95-3	Dibromomethane		0.011	0.13	
95-50-1	1,2-Dichlorobenzene		0.0079	0.13	
541-73-1	1,3-Dichlorobenzene		0.0079	0.13	
106-46-7	1,4-Dichlorobenzene		0.014	0.13	
110-57-6	trans-1,4-Dichloro-2-butene		0.10	0.26	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.0053	0.26	
75-34-3	1,1-Dichloroethane		0.012	0.13	
107-06-2	1,2-Dichloroethane		0.012	0.13	
75-35-4	1,1-Dichloroethylene		0.013	0.13	
156-59-2	cis-1,2-Dichloroethylene	0.27	0.0066	0.13	
156-60-5	trans-1,2-Dichloroethylene		0.0092	0.13	
78-87-5	1,2-Dichloropropane		0.026	0.13	
142-28-9	1,3-Dichloropropane		0.011	0.066	
594-20-7	2,2-Dichloropropane		0.017	0.13	
563-58-6	1,1-Dichloropropene		0.013	0.26	
10061-01-5	cis-1,3-Dichloropropene		0.0092	0.13	
10061-02-6	trans-1,3-Dichloropropene		0.016	0.66	
60-29-7	Diethyl Ether		0.013	0.26	
108-20-3	Diisopropyl Ether (DIPE)		0.0039	0.066	
123-91-1	1,4-Dioxane		0.46	6.6 R	R ~~05, V-16~~
100-41-4	Ethylbenzene		0.0066	0.13	
87-68-3	Hexachlorobutadiene		0.034	0.13	
591-78-6	2-Hexanone (MBK)		0.087	1.3	
98-82-8	Isopropylbenzene (Cumene)		0.0079	0.13	

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1 - FORM I
ANALYSIS DATA SHEET

MW-06-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-01	File ID:	VB211020.D
Sampled:	07/23/13 13:25	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 00:15
Solids:	90.90	Preparation:	SW-846 5035	Dilution:	2
Initial/Final:	13.6 g / 16.24 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079

NW 10/16/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.0079	0.13		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.0066	0.13		
75-09-2	Methylene Chloride		0.29	1.3		
108-10-1	4-Methyl-2-pentanone (MIBK)		0.029	1.3		
91-20-3	Naphthalene		0.028	0.26		
103-65-1	n-Propylbenzene		0.0053	0.13		
100-42-5	Styrene		0.0079	0.13		
630-20-6	1,1,1,2-Tetrachloroethane		0.011	0.13		
79-34-5	1,1,2,2-Tetrachloroethane		0.024	0.066		
127-18-4	Tetrachloroethylene	5.9	0.018	0.13		
109-99-9	Tetrahydrofuran		0.13	1.3		
108-88-3	Toluene		0.0053	0.13		
87-61-6	1,2,3-Trichlorobenzene		0.029	0.66	UJ	~~V-05~~
120-82-1	1,2,4-Trichlorobenzene		0.014	0.13	↓	~~V-05~~
108-70-3	1,3,5-Trichlorobenzene		0.053	0.66		~~V-05~~
71-55-6	1,1,1-Trichloroethane		0.0066	0.13		
79-00-5	1,1,2-Trichloroethane		0.011	0.13		
79-01-6	Trichloroethylene	0.49	0.016	0.13		
75-69-4	Trichlorofluoromethane (Freon 11)		0.0092	0.26	UJ	
96-18-4	1,2,3-Trichloropropane		0.028	0.26		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.014	0.13	UJ	
95-63-6	1,2,4-Trimethylbenzene		0.0079	0.13		
108-67-8	1,3,5-Trimethylbenzene		0.0079	0.13		
75-01-4	Vinyl Chloride		0.021	0.26		
108383/106423	m+p Xylene		0.0092	0.26		

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1

1 - FORM I
ANALYSIS DATA SHEET

MW-06-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-01	File ID:	VB211020.D
Sampled:	07/23/13 13:25	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 00:15
Solids:	90.90	Preparation:	SW-846 5035	Dilution:	2
Initial/Final:	13.6 g / 16.24 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079

Instrument: GCMSVOA2

NW 10/16/13

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
95-47-6	o-Xylene		0.0066	0.13	

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2

1 - FORM I
ANALYSIS DATA SHEET

TB-01-07-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13G0937-02	File ID:	VB210011.D
Sampled:	07/23/13 13:57	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 14:57
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078
				Instrument:	GCMSVOA2

NW 10/16/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0	UJ	~~V-05~~
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	1.0		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	1.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	5.0	UJ	
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0		
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

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2

1 - FORM I
ANALYSIS DATA SHEET

TB-01-07-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13G0937-02	File ID:	VB210011.D
Sampled:	07/23/13 13:57	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 14:57
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078

NW 10/16/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	UJ
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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2

1 - FORM I
ANALYSIS DATA SHEET

TB-01-07-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13G0937-02	File ID:	VB210011.D
Sampled:	07/23/13 13:57	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 14:57
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078

NW 10/16/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	10	UJ
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	2.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	5.0	UJ ~~V-05~~
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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2

1 - FORM I
ANALYSIS DATA SHEET

TB-01-07-23-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13G0937	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Trip Blank Water	Laboratory ID:	13G0937-02	File ID:	VB210011.D
Sampled:	07/23/13 13:57	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 14:57
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078

Instrument: GCMSVOA2

NW 10/16/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

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3

1 - FORM I
ANALYSIS DATA SHEET

B-55-07-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-03	File ID:	VB211021.D
Sampled:	07/23/13 16:10	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 00:46
Solids:	91.80	Preparation:	SW-846 5035	Dilution:	40
Initial/Final:	13.1 g / 16.07 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079

Instrument: GCMSVOA2

NW 10/16/13

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q	
67-64-1	Acetone		1.4	130		
107-13-1	Acrylonitrile		1.4	13	UJ	~~V-05~~
994-05-8	tert-Amyl Methyl Ether (TAME)		0.29	1.3		
71-43-2	Benzene		0.13	2.7		
108-86-1	Bromobenzene		0.27	2.7		
74-97-5	Bromochloromethane		0.27	2.7		
75-27-4	Bromodichloromethane		0.21	2.7		
75-25-2	Bromoform		0.67	2.7		
74-83-9	Bromomethane		1.0	5.3	UJ	
78-93-3	2-Butanone (MEK)		1.1	53		
75-65-0	tert-Butyl Alcohol (TBA)		9.4	53	R	~~V-16~~
104-51-8	n-Butylbenzene		0.13	2.7		
135-98-8	sec-Butylbenzene		0.13	2.7		
98-06-6	tert-Butylbenzene		0.13	2.7		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.19	1.3		
75-15-0	Carbon Disulfide		0.13	13		
56-23-5	Carbon Tetrachloride		0.24	2.7		
108-90-7	Chlorobenzene		0.13	2.7		
124-48-1	Chlorodibromomethane		0.32	1.3		
75-00-3	Chloroethane		0.88	5.3		
67-66-3	Chloroform		0.11	5.3		
74-87-3	Chloromethane		0.35	5.3		
95-49-8	2-Chlorotoluene		0.13	2.7		
106-43-4	4-Chlorotoluene		0.13	2.7		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		1.3	13		

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3

1 - FORM I
ANALYSIS DATA SHEET

B-55-07-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-03	File ID:	VB211021.D
Sampled:	07/23/13 16:10	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 00:46
Solids:	91.80	Preparation:	SW-846 5035	Dilution:	40
Initial/Final:	13.1 g / 16.07 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079
Instrument:	GCMSVOA2				

NW 10/16/13

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.37	1.3	
74-95-3	Dibromomethane		0.21	2.7	
95-50-1	1,2-Dichlorobenzene		0.16	2.7	
541-73-1	1,3-Dichlorobenzene		0.16	2.7	
106-46-7	1,4-Dichlorobenzene		0.29	2.7	
110-57-6	trans-1,4-Dichloro-2-butene		2.1	5.3	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.11	5.3	
75-34-3	1,1-Dichloroethane		0.24	2.7	
107-06-2	1,2-Dichloroethane		0.24	2.7	
75-35-4	1,1-Dichloroethylene		0.27	2.7	
156-59-2	cis-1,2-Dichloroethylene	4.1	0.13	2.7	
156-60-5	trans-1,2-Dichloroethylene		0.19	2.7	
78-87-5	1,2-Dichloropropane		0.53	2.7	
142-28-9	1,3-Dichloropropane		0.21	1.3	
594-20-7	2,2-Dichloropropane		0.35	2.7	
563-58-6	1,1-Dichloropropene		0.27	5.3	
10061-01-5	cis-1,3-Dichloropropene		0.19	2.7	
10061-02-6	trans-1,3-Dichloropropene		0.32	13	
60-29-7	Diethyl Ether		0.27	5.3	
108-20-3	Diisopropyl Ether (DIPE)		0.080	1.3	
123-91-1	1,4-Dioxane		9.4	130	R ~~R-05, V-16~~
100-41-4	Ethylbenzene		0.13	2.7	
87-68-3	Hexachlorobutadiene		0.69	2.7	
591-78-6	2-Hexanone (MBK)		1.8	27	
98-82-8	Isopropylbenzene (Cumene)		0.16	2.7	

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3

1 - FORM I
ANALYSIS DATA SHEET

B-55-07-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-03	File ID:	VB211021.D
Sampled:	07/23/13 16:10	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 00:46
Solids:	91.80	Preparation:	SW-846 5035	Dilution:	40
Initial/Final:	13.1 g / 16.07 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079

Instrument: GCMSVOA2

NW 10/16/13

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.16	2.7		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.13	2.7		
75-09-2	Methylene Chloride		6.0	27		
108-10-1	4-Methyl-2-pentanone (MIBK)		0.59	27		
91-20-3	Naphthalene		0.56	5.3		
103-65-1	n-Propylbenzene		0.11	2.7		
100-42-5	Styrene		0.16	2.7		
630-20-6	1,1,1,2-Tetrachloroethane		0.21	2.7		
79-34-5	1,1,2,2-Tetrachloroethane		0.48	1.3		
109-99-9	Tetrahydrofuran		2.7	27		
108-88-3	Toluene		0.11	2.7		
87-61-6	1,2,3-Trichlorobenzene		0.59	13	UJ	~~V-05~~
120-82-1	1,2,4-Trichlorobenzene		0.29	2.7	↓	~~V-05~~
108-70-3	1,3,5-Trichlorobenzene		1.1	13		~~V-05~~
71-55-6	1,1,1-Trichloroethane		0.13	2.7		
79-00-5	1,1,2-Trichloroethane		0.21	2.7		
79-01-6	Trichloroethylene	12	0.32	2.7	J	
75-69-4	Trichlorofluoromethane (Freon 11)		0.19	5.3	UJ	
96-18-4	1,2,3-Trichloropropane		0.56	5.3		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.29	2.7	UJ	
95-63-6	1,2,4-Trimethylbenzene		0.16	2.7		
108-67-8	1,3,5-Trimethylbenzene		0.16	2.7		
75-01-4	Vinyl Chloride		0.43	5.3		
108383/106423	m+p Xylene		0.19	5.3		
95-47-6	o-Xylene		0.13	2.7		

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3

1 - FORM I
ANALYSIS DATA SHEET

B-55-07-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-03RE1	File ID:	VB212020.D
Sampled:	07/23/13 16:10	Prepared:	07/31/13 06:36	Analyzed:	07/31/13 20:44
Solids:	91.80	Preparation:	SW-846 5035	Dilution:	400
Initial/Final:	13.1 g / 16.07 mL				
Batch:	B077786	Sequence:	S004489	Calibration:	1300079
Instrument:	GCMSVOA2				

NW 10/16/13

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
127-18-4	Tetrachloroethylene	2600	3.7	27	J

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4

1 - FORM I
ANALYSIS DATA SHEET

FD-01-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-04	File ID:	VB211022.D
Sampled:	07/23/13 00:00	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 01:16
Solids:	91.50	Preparation:	SW-846 5035	Dilution:	20
Initial/Final:	15.06 g / 16.28 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079

NW 10/16/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q	
67-64-1	Acetone		0.64	59		
107-13-1	Acrylonitrile		0.60	5.9	UJ	~~V-05~~
994-05-8	tert-Amyl Methyl Ether (TAME)		0.13	0.59		
71-43-2	Benzene		0.059	1.2		
108-86-1	Bromobenzene		0.12	1.2		
74-97-5	Bromochloromethane		0.12	1.2		
75-27-4	Bromodichloromethane		0.095	1.2		
75-25-2	Bromoform		0.30	1.2		
74-83-9	Bromomethane		0.45	2.4	UJ	
78-93-3	2-Butanone (MEK)		0.48	24		
75-65-0	tert-Butyl Alcohol (TBA)		4.1	24	R	~~V-16~~
104-51-8	n-Butylbenzene		0.059	1.2		
135-98-8	sec-Butylbenzene		0.059	1.2		
98-06-6	tert-Butylbenzene		0.059	1.2		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.083	0.59		
75-15-0	Carbon Disulfide		0.059	5.9		
56-23-5	Carbon Tetrachloride		0.11	1.2		
108-90-7	Chlorobenzene		0.059	1.2		
124-48-1	Chlorodibromomethane		0.14	0.59		
75-00-3	Chloroethane		0.39	2.4		
67-66-3	Chloroform		0.047	2.4		
74-87-3	Chloromethane		0.15	2.4		
95-49-8	2-Chlorotoluene		0.059	1.2		
106-43-4	4-Chlorotoluene		0.059	1.2		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.57	5.9		

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4

1 - FORM I
ANALYSIS DATA SHEET

FD-01-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-04	File ID:	VB211022.D
Sampled:	07/23/13 00:00	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 01:16
Solids:	91.50	Preparation:	SW-846 5035	Dilution:	20
Initial/Final:	15.06 g / 16.28 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079
				Instrument:	GCMSVOA2

NW 10/16/13

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.17	0.59	
74-95-3	Dibromomethane		0.095	1.2	
95-50-1	1,2-Dichlorobenzene		0.071	1.2	
541-73-1	1,3-Dichlorobenzene		0.071	1.2	
106-46-7	1,4-Dichlorobenzene		0.13	1.2	
110-57-6	trans-1,4-Dichloro-2-butene		0.91	2.4	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.047	2.4	
75-34-3	1,1-Dichloroethane		0.11	1.2	
107-06-2	1,2-Dichloroethane		0.11	1.2	
75-35-4	1,1-Dichloroethylene		0.12	1.2	
156-59-2	cis-1,2-Dichloroethylene		0.059	1.2	
156-60-5	trans-1,2-Dichloroethylene		0.083	1.2	
78-87-5	1,2-Dichloropropane		0.24	1.2	
142-28-9	1,3-Dichloropropane		0.095	0.59	
594-20-7	2,2-Dichloropropane		0.15	1.2	
563-58-6	1,1-Dichloropropene		0.12	2.4	
10061-01-5	cis-1,3-Dichloropropene		0.083	1.2	
10061-02-6	trans-1,3-Dichloropropene		0.14	5.9	
60-29-7	Diethyl Ether		0.12	2.4	
108-20-3	Diisopropyl Ether (DIPE)		0.035	0.59	
123-91-1	1,4-Dioxane		4.1	59	R ~~R-05, V-16~~
100-41-4	Ethylbenzene		0.059	1.2	
87-68-3	Hexachlorobutadiene		0.31	1.2	
591-78-6	2-Hexanone (MBK)		0.78	12	
98-82-8	Isopropylbenzene (Cumene)		0.071	1.2	

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4

1 - FORM I
ANALYSIS DATA SHEET

FD-01-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-04	File ID:	VB211022.D
Sampled:	07/23/13 00:00	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 01:16
Solids:	91.50	Preparation:	SW-846 5035	Dilution:	20
Initial/Final:	15.06 g / 16.28 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079

NW 10/16/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q	
99-87-6	p-Isopropyltoluene (p-Cymene)		0.071	1.2		
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.059	1.2		
75-09-2	Methylene Chloride		2.6	12		
108-10-1	4-Methyl-2-pentanone (MIBK)		0.26	12		
91-20-3	Naphthalene		0.25	2.4		
103-65-1	n-Propylbenzene		0.047	1.2		
100-42-5	Styrene		0.071	1.2		
630-20-6	1,1,1,2-Tetrachloroethane		0.095	1.2		
79-34-5	1,1,2,2-Tetrachloroethane		0.21	0.59		
127-18-4	Tetrachloroethylene	120	0.17	1.2	J	
109-99-9	Tetrahydrofuran		1.2	12		
108-88-3	Toluene		0.047	1.2		
87-61-6	1,2,3-Trichlorobenzene		0.26	5.9	UJ	~~V-05~~
120-82-1	1,2,4-Trichlorobenzene		0.13	1.2	↓	~~V-05~~
108-70-3	1,3,5-Trichlorobenzene		0.47	5.9		~~V-05~~
71-55-6	1,1,1-Trichloroethane		0.059	1.2		
79-00-5	1,1,2-Trichloroethane		0.095	1.2		
79-01-6	Trichloroethylene	1.6	0.14	1.2	J	
75-69-4	Trichlorofluoromethane (Freon 11)		0.083	2.4	UJ	
96-18-4	1,2,3-Trichloropropane		0.25	2.4		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.13	1.2	UJ	
95-63-6	1,2,4-Trimethylbenzene		0.071	1.2		
108-67-8	1,3,5-Trimethylbenzene		0.071	1.2		
75-01-4	Vinyl Chloride		0.19	2.4		
108383/106423	m+p Xylene		0.083	2.4		

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1 - FORM I
ANALYSIS DATA SHEET

FD-01-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Soil	Laboratory ID:	13G0937-04	File ID:	VB211022.D
Sampled:	07/23/13 00:00	Prepared:	07/30/13 06:10	Analyzed:	07/31/13 01:16
Solids:	91.50	Preparation:	SW-846 5035	Dilution:	20
Initial/Final:	15.06 g / 16.28 mL				
Batch:	B077701	Sequence:	S004488	Calibration:	1300079
				Instrument:	GCMSVOA2

NW 10/16/13

CAS NO.	COMPOUND	CONC. (mg/Kg dry)	MDL	RL	Q
95-47-6	o-Xylene		0.059	1.2	

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1 - FORM I
ANALYSIS DATA SHEET

FB-01-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13G0937-05	File ID:	VB210012.D
Sampled:	07/23/13 14:15	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 15:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078
Instrument:	GCMSVOA2				

NW 10/16/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0	UJ	~~V-05~~
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	1.0		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	1.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	5.0	UJ	
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0		
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

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1 - FORM I
ANALYSIS DATA SHEET

FB-01-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13G0937-05	File ID:	VB210012.D
Sampled:	07/23/13 14:15	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 15:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078
Instrument:	GCMSVOA2				

NW 10/16/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	UJ
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-10~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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1 - FORM I
ANALYSIS DATA SHEET

FB-01-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13G0937-05	File ID:	VB210012.D
Sampled:	07/23/13 14:15	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 15:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078
Instrument:	GCMSVOA2				

NW 10/16/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	10	UJ
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	2.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	5.0	UJ ~~V-05~~
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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1 - FORM I
ANALYSIS DATA SHEET

FB-01-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13G0937-05	File ID:	VB210012.D
Sampled:	07/23/13 14:15	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 15:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078

NW 10/16/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

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6

1 - FORM I
ANALYSIS DATA SHEET

FB-02-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13G0937-06	File ID:	VB210013.D
Sampled:	07/23/13 16:34	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 15:59
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078
Instrument:	GCMSVOA2				

NW 10/16/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0	UJ	~~V-05~~
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	1.0		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	1.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	5.0	UJ	
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0		
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

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1 - FORM I
ANALYSIS DATA SHEET

FB-02-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13G0937-06	File ID:	VB210013.D
Sampled:	07/23/13 16:34	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 15:59
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078
Instrument:	GCMSVOA2				

NW 10/16/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	UJ
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	1.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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ANALYSIS DATA SHEET

FB-02-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13G0937-06	File ID:	VB210013.D
Sampled:	07/23/13 16:34	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 15:59
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B077818	Sequence:	S004469	Calibration:	1300078
Instrument:	GCMSVOA2				

NW 10/16/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	10	UJ
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	2.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene	4.0	0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	5.0	UJ ~~V-05~~
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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FB-02-7-23-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13G0937		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13G0937-06	File ID:	VB210013.D		
Sampled:	07/23/13 16:34	Prepared:	07/29/13 11:09	Analyzed:	07/29/13 15:59		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B077818	Sequence:	S004469	Calibration:	1300078	Instrument:	GCMSVOA2

NW 10/16/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
FORMER DORO CLEANERS, BUFFALO, NEW YORK

Client: CDM Smith, Inc., Latham, New York
SDG: 13H0490
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, Massachusetts
Site: Former Doro Cleaners, Buffalo, New York
Date: October 18, 2013

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-01_08-13-13	13H0490-01	Water
2	MW-02_08-13-13	13H0490-02	Water
3	MW-08_08-13-13	13H0490-03	Water
4	MW-03_08-13-13	13H0490-04	Water
5*	TB-01_08-13-13	13H0490-05	Water
6*	FB-01_08-13-13	13H0490-06	Water
7	MW-07_08-13-13	13H0490-07	Water
7MS†	MW-07_08-13-13MS	13H0490-07MS	Water
7MSD†	MW-07_08-13-13MSD	13H0490-07MSD	Water
8	MW-05_08-13-13	13H0490-08	Water
8MSβ	MW-05_08-13-13MS	13H0490-08MS	Water
8MSDβ	MW-05_08-13-13MSD	13H0490-08MSD	Water
9*	TB-02_08-13-13	13H0490-09	Water

* - VOC Only † - TOC only β - Nitrite as N Only

A Data Usability Summary Review was performed on the analytical data for six water samples, one aqueous field blank sample, and two aqueous trip blank samples collected August 13, 2013 by CDM Smith at the Former Doro Cleaners site in Buffalo, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".*

Specific method references are as follows:

Analysis	*Method References*
VOCs	USEPA SW-846 Method 8260C
Iron	USEPA Method 6010C
Ferrous Iron	Standard Method SM3500 Fe D
Alkalinity	Standard Method SM2320B
Chloride	Standard Method SM4500 CL B
Nitrate	Standard Method SM4500 NO3 F
Nitrite	Standard Method SM4500 NO2 B
Sulfate	ASTM Method D516-90, 02
Sulfide	Standard Method SM4500S-E
Total Organic Carbon	Standard Method 5310B
Specific Conductance	Standard Method SM2510B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-24, Revision 2, August 2008: Validating Volatile Organic Compounds by SW-846 Method 8260B;
- SOP Number HW-2, Revision 13, September 2006: Evaluation of Metals Data for the CLP Program based on ILMO5.3;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Field Duplicate sample precision

Inorganics

- Data Completeness
- Holding times and sample preservation
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Initial and continuing calibration verifications
- ICS Check Sample
- Compound Quantitation
- ICP Serial Dilution
- Field Duplicate sample precision

Overall Usability Issues:

There were several rejections of data. This data cannot be used in the decision-making process for this project.

- tert-Butyl alcohol and 1,4-dioxane were rejected in all samples due to low initial calibration RRF values.

- Naphthalene, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene were rejected in one sample due to low continuing calibration RRF values.

Overall the remaining data is acceptable for the intended purposes as qualified for the following deficiencies.

- Several compounds were qualified as estimated in all samples due to high continuing calibration %D values.
- Iron was qualified as nondetected in one sample due to method blank contamination.
- Sulfide was qualified as estimated in all samples due to a low LCS recovery.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organics Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate recoveries.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- A MS/MSD sample was not analyzed.

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
B078839-BS1	Bromomethane	33.1%	None	See CCAL

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
TB-01_08-13-13	None - ND	-	-	-	-
FB-01_08-13-13	None - ND	-	-	-	-
TB-02_08-13-13	None - ND	-	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The following table presents compounds that exceeded 20 percent relative standard deviation (%RSD) and/or average RRF values <0.05 in the initial calibration (ICAL). A low RRF indicates poor indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %RSD may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
08/13/13	tert-Butyl alcohol (TBA)	0.038 RRF	J/R	All Samples
	1,4-Dioxane	0.003 RRF	J/R	

Continuing Calibration

- The following table presents compounds that exceeded 20 percent deviation (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
08/15/13	Bromomethane	149%	J/UJ	5, 6
	tert-Butyl alcohol (TBA)	0.036 RRF	None	See ICAL
	Carbon disulfide	25.2%	J/UJ	5, 6
	1,4-Dioxane	24.0%/0.002 RRF	None	See ICAL
08/19/13	Bromomethane	43.9%	J/UJ	1-4, 7, 8
	tert-Butyl alcohol (TBA)	0.039 RRF	None	See ICAL
	Carbon disulfide	23.1%	J/UJ	1-4, 7, 8
	2,2-Dichloropropane	24.1%	J/UJ	
	1,4-Dioxane	0.002 RRF	None	See ICAL
08/21/13	Bromomethane	23.7%	J/UJ	9
	tert-Butyl alcohol (TBA)	0.003 RRF	None	See ICAL
	Carbon disulfide	21.8%	J/UJ	9
	trans-1,2-Dichloroethene	24.6%	J/UJ	
	2,2-Dichloropropane	20.5%	J/UJ	
	1,4-Dioxane	29.4%	None	See ICAL
	Methylene chloride	22.9%	J/UJ	9
	Naphthalene	0.019 RRF	J/R	
	Tetrahydrofuran	20.3%	J/UJ	
	1,3,5-Trichlorobenzene	27.5%	J/UJ	
	1,2,3-Trichlorobenzene	0.007 RRF	J/R	
	1,2,4-Trichlorobenzene	0.042 RRF	J/R	

Compound Quantitation

- EDS Sample ID #7 was analyzed at a 2X dilution due to high concentrations of target compounds.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Metals (Iron)

Holding Times

- All samples were prepared and analyzed within 180 days for iron.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- A MS/MSD sample was not analyzed.

Duplicate Sample Analysis

- The duplicate sample exhibited acceptable RPD values.

Laboratory Control Samples

- The LCS sample exhibited acceptable recoveries.

Method Blank

- The following table lists method blanks with contamination and the samples associated with the blanks that had results qualified as a consequence of the blank contamination. Detected sample concentrations less than ten times (10x) the highest associated blank (after taking sample dilution levels, percent moisture and sample volume into account) are negated and qualified with a (U).

Metals (Iron)				
Blank ID	Compound	Conc. mg/L	Qualifier	Affected Samples
B078766-BLK1	Iron	0.028	U	7

Field Blank

- Field QC samples were not analyzed.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Interference Check Sample

- All criteria were met.

Compound Quantitation

- All criteria were met.

ICP Serial Dilution

- ICP serial dilution percent differences (%D) were within acceptance limits.

Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

Ferrous Iron, Alkalinity, Chloride, Nitrate, Nitrite, Sulfate, Sulfide, Total Organic Carbon, Specific Conductance

Holding Times

- All samples were prepared and analyzed within the recommended time for each analysis.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD sample exhibited acceptable %R and RPD values.

Duplicate Sample Analysis

- The duplicate sample exhibited acceptable RPD values.

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
B078828-BS1	Sulfide	40.3%	J/UJ	All Samples

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field QC samples were not analyzed.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Compound Quantitation

- All samples were analyzed at various dilutions due to high concentrations of wet chemistry parameters.

Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 10/21/13

Nancy Weaver
Senior Chemist

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for, but was not detected above the sample reporting limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

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1 - FORM I
ANALYSIS DATA SHEET

MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13H0490	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13H0490-01	File ID:	VB231018.D
Sampled:	08/13/13 08:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 17:30
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	1.0		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	~~R-05~~
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	5.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	4.0	UJ	
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0		
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

1

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1 - FORM I
ANALYSIS DATA SHEET

MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13H0490-01	File ID:	VB231018.D		
Sampled:	08/13/13 08:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 17:30		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B078839	Sequence:	S004588	Calibration:	1300088	Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	UJ
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

1

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1 - FORM I
ANALYSIS DATA SHEET

MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13H0490-01	File ID:	VB231018.D		
Sampled:	08/13/13 08:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 17:30		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B078839	Sequence:	S004588	Calibration:	1300088	Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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ANALYTICAL LABORATORY

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-01	File ID:	VB231018.D
Sampled:	08/13/13 08:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 17:30
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

2

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1 - FORM I
ANALYSIS DATA SHEET

MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13H0490	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13H0490-02	File ID:	VB231019.D
Sampled:	08/13/13 09:45	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:01
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	1.0		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	~~R-05~~
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-10~~
104-51-8	n-Butylbenzene		0.054	5.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	4.0	UJ	
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0		
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

2

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1 - FORM I
ANALYSIS DATA SHEET

MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-02	File ID:	VB231019.D
Sampled:	08/13/13 09:45	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:01
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
				Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	UJ
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

2

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1 - FORM I
ANALYSIS DATA SHEET

MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-02	File ID:	VB231019.D
Sampled:	08/13/13 09:45	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:01
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
				Instrument:	GCMSVOA2

NDI 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

2

con-test® ANALYTICAL LABORATORY
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1 - FORM I
ANALYSIS DATA SHEET

MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13H0490	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13H0490-02	File ID:	VB231019.D
Sampled:	08/13/13 09:45	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:01
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

3

1 - FORM I
ANALYSIS DATA SHEET

MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03	File ID:	VB231020.D
Sampled:	08/13/13 11:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:32
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	1.0		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	~~R-05~~
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	5.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	4.0	UJ	
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0		
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

3

1 - FORM I
ANALYSIS DATA SHEET

MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03	File ID:	VB231020.D
Sampled:	08/13/13 11:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:32
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
				Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	1.4	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	UJ
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

3

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1 - FORM I
ANALYSIS DATA SHEET

MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03	File ID:	VB231020.D
Sampled:	08/13/13 11:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:32
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088

NW 10/18/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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3

1 - FORM I
ANALYSIS DATA SHEET

MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13H0490-03	File ID:	VB231020.D		
Sampled:	08/13/13 11:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 18:32		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B078839	Sequence:	S004588	Calibration:	1300088	Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

4

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1 - FORM I
ANALYSIS DATA SHEET

MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04	File ID:	VB231021.D
Sampled:	08/13/13 12:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:03
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
				Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	1.0		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	~~B-05~~
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	5.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	4.0	UJ	
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0		
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

4

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1 - FORM I
ANALYSIS DATA SHEET

MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04	File ID:	VB231021.D
Sampled:	08/13/13 12:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:03
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
				Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	UJ
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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4

1 - FORM I
ANALYSIS DATA SHEET

MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04	File ID:	VB231021.D
Sampled:	08/13/13 12:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:03
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
				Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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4

1 - FORM I
ANALYSIS DATA SHEET

MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13H0490-04	File ID:	VB231021.D		
Sampled:	08/13/13 12:00	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:03		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B078839	Sequence:	S004588	Calibration:	1300088	Instrument:	GCMSVOA2

MW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

5

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1 - FORM I
ANALYSIS DATA SHEET

TB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-05	File ID:	VB227035.D
Sampled:	08/13/13 13:15	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088

NW 10/18/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	1.0		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	~~R-05~~
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	5.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	4.0	UJ	
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0		
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

5

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1 - FORM I
ANALYSIS DATA SHEET

TB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-05	File ID:	VB227035.D
Sampled:	08/13/13 13:15	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-05, V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

5

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1 - FORM I
ANALYSIS DATA SHEET

TB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-05	File ID:	VB227035.D
Sampled:	08/13/13 13:15	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
				Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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5

1 - FORM I
ANALYSIS DATA SHEET

TB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-05	File ID:	VB227035.D
Sampled:	08/13/13 13:15	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:28
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088

NDW 10/18/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

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6

1 - FORM I
ANALYSIS DATA SHEET

FB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-06	File ID:	VB227036.D
Sampled:	08/13/13 13:20	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:59
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	1.0		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	~~B-05~~
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	5.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	4.0	UJ	
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0		
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

6

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

FB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-06	File ID:	VB227036.D
Sampled:	08/13/13 13:20	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:59
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-05, V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

6

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1 - FORM I
ANALYSIS DATA SHEET

FB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-06	File ID:	VB227036.D
Sampled:	08/13/13 13:20	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:59
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078920	Sequence:	S004587	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

6

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

FB-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13H0490-06	File ID:	VB227036.D		
Sampled:	08/13/13 13:20	Prepared:	08/15/13 08:23	Analyzed:	08/16/13 01:59		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B078920	Sequence:	S004587	Calibration:	1300088	Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

7

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-07	File ID:	VB231022.D
Sampled:	08/13/13 14:10	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:33
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		9.4	100		
107-13-1	Acrylonitrile		1.2	10		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.18	1.0		
71-43-2	Benzene		0.16	2.0		
108-86-1	Bromobenzene		0.088	2.0		
74-97-5	Bromochloromethane		0.45	2.0		
75-27-4	Bromodichloromethane		0.18	2.0		
75-25-2	Bromoform		0.42	2.0		
74-83-9	Bromomethane		1.9	4.0	UJ	~~B-05~~
78-93-3	2-Butanone (MEK)		4.7	40		
75-65-0	tert-Butyl Alcohol (TBA)		4.3	40	R	~~V-16~~
104-51-8	n-Butylbenzene		0.11	10		
135-98-8	sec-Butylbenzene		0.17	2.0		
98-06-6	tert-Butylbenzene		0.19	2.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.15	1.0		
75-15-0	Carbon Disulfide		2.0	8.0	UJ	
56-23-5	Carbon Tetrachloride		0.20	10		
108-90-7	Chlorobenzene		0.24	2.0		
124-48-1	Chlorodibromomethane		0.11	1.0		
75-00-3	Chloroethane		0.32	4.0		
67-66-3	Chloroform		0.29	4.0		
74-87-3	Chloromethane		0.65	4.0		
95-49-8	2-Chlorotoluene		0.14	2.0		
106-43-4	4-Chlorotoluene		0.15	2.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.68	10		

7

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-07	File ID:	VB231022.D
Sampled:	08/13/13 14:10	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:33
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088

NW 10/18/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.18	1.0	
74-95-3	Dibromomethane		0.14	2.0	
95-50-1	1,2-Dichlorobenzene		0.15	2.0	
541-73-1	1,3-Dichlorobenzene		0.16	2.0	
106-46-7	1,4-Dichlorobenzene		0.092	2.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.24	4.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.24	4.0	
75-34-3	1,1-Dichloroethane		0.32	2.0	
107-06-2	1,2-Dichloroethane		0.39	2.0	
75-35-4	1,1-Dichloroethylene		0.42	2.0	
156-59-2	cis-1,2-Dichloroethylene	130	0.29	2.0	
156-60-5	trans-1,2-Dichloroethylene		0.30	2.0	
78-87-5	1,2-Dichloropropane		0.22	2.0	
142-28-9	1,3-Dichloropropane		0.20	1.0	
594-20-7	2,2-Dichloropropane		0.14	2.0	UJ
563-58-6	1,1-Dichloropropene		0.26	4.0	
10061-01-5	cis-1,3-Dichloropropene		0.12	4.0	
10061-02-6	trans-1,3-Dichloropropene		0.11	10	
60-29-7	Diethyl Ether		0.44	4.0	
108-20-3	Diisopropyl Ether (DIPE)		0.36	1.0	
123-91-1	1,4-Dioxane		53	100	R ~~V16~~
100-41-4	Ethylbenzene		0.18	2.0	
87-68-3	Hexachlorobutadiene		0.34	2.0	
591-78-6	2-Hexanone (MBK)		3.0	20	
98-82-8	Isopropylbenzene (Cumene)		0.23	2.0	

7

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13H0490	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13H0490-07	File ID:	VB231022.D
Sampled:	08/13/13 14:10	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:33
Solids:		Preparation:	SW-846 5030B	Dilution:	2
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.25	2.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.18	2.0	
75-09-2	Methylene Chloride		6.4	10	
108-10-1	4-Methyl-2-pentanone (MIBK)		2.9	20	
91-20-3	Naphthalene		0.24	10	
103-65-1	n-Propylbenzene		0.19	2.0	
100-42-5	Styrene		0.24	2.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.24	4.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.25	1.0	
127-18-4	Tetrachloroethylene	9.6	0.16	2.0	
109-99-9	Tetrahydrofuran		2.1	20	
108-88-3	Toluene		0.18	2.0	
87-61-6	1,2,3-Trichlorobenzene		0.28	10	
120-82-1	1,2,4-Trichlorobenzene		0.24	10	
108-70-3	1,3,5-Trichlorobenzene		0.28	2.0	
71-55-6	1,1,1-Trichloroethane		0.19	2.0	
79-00-5	1,1,2-Trichloroethane		0.23	2.0	
79-01-6	Trichloroethylene	6.4	0.15	2.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.29	4.0	
96-18-4	1,2,3-Trichloropropane		0.24	4.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.18	2.0	
95-63-6	1,2,4-Trimethylbenzene		0.36	2.0	
108-67-8	1,3,5-Trimethylbenzene		0.20	2.0	
75-01-4	Vinyl Chloride	44	0.27	4.0	
108383/106423	m+p Xylene		0.36	4.0	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

7

1 - FORM I
ANALYSIS DATA SHEET

MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13H0490-07	File ID:	VB231022.D		
Sampled:	08/13/13 14:10	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 19:33		
Solids:		Preparation:	SW-846 5030B	Dilution:	2		
Initial/Final:	5 mL / 5 mL						
Batch:	B078839	Sequence:	S004588	Calibration:	1300088	Instrument:	GCMSVOA2

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.22	2.0	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

8

1 - FORM I
ANALYSIS DATA SHEET

MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08	File ID:	VB231023.D
Sampled:	08/13/13 15:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 20:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	1.0		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	~~B-05~~
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	5.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	4.0	UJ	
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0		
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

8

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08	File ID:	VB231023.D
Sampled:	08/13/13 15:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 20:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088
Instrument:	GCMSVOA2				

NW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene	4.9	0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	UJ
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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8

1 - FORM I
ANALYSIS DATA SHEET

MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08	File ID:	VB231023.D
Sampled:	08/13/13 15:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 20:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088

NW 10/18/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene	27	0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene	8.9	0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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8

1 - FORM I
ANALYSIS DATA SHEET

MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08	File ID:	VB231023.D
Sampled:	08/13/13 15:25	Prepared:	08/15/13 08:23	Analyzed:	08/19/13 20:04
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B078839	Sequence:	S004588	Calibration:	1300088

NW 10/18/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

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9

1 - FORM I
ANALYSIS DATA SHEET

TB-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-09	File ID:	VB233018.D
Sampled:	08/13/13 15:45	Prepared:	08/16/13 08:35	Analyzed:	08/21/13 13:44
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079026	Sequence:	S004589	Calibration:	1300088

NW 10/18/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		4.7	50	
107-13-1	Acrylonitrile		0.58	5.0	
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50	
71-43-2	Benzene		0.079	1.0	
108-86-1	Bromobenzene		0.044	1.0	
74-97-5	Bromochloromethane		0.22	1.0	
75-27-4	Bromodichloromethane		0.088	1.0	
75-25-2	Bromoform		0.21	1.0	
74-83-9	Bromomethane		0.94	2.0	UJ
78-93-3	2-Butanone (MEK)		2.4	20	
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R ~~V10~~
104-51-8	n-Butylbenzene		0.054	5.0	
135-98-8	sec-Butylbenzene		0.084	1.0	
98-06-6	tert-Butylbenzene		0.096	1.0	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50	
75-15-0	Carbon Disulfide		1.0	4.0	UJ
56-23-5	Carbon Tetrachloride		0.10	5.0	
108-90-7	Chlorobenzene		0.12	1.0	
124-48-1	Chlorodibromomethane		0.054	0.50	
75-00-3	Chloroethane		0.16	2.0	
67-66-3	Chloroform		0.14	2.0	
74-87-3	Chloromethane		0.32	2.0	
95-49-8	2-Chlorotoluene		0.070	1.0	
106-43-4	4-Chlorotoluene		0.074	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0	

9

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1 - FORM I
ANALYSIS DATA SHEET

TB-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-09	File ID:	VB233018.D
Sampled:	08/13/13 15:45	Prepared:	08/16/13 08:35	Analyzed:	08/21/13 13:44
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079026	Sequence:	S004589	Calibration:	1300088

NW 10/18/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	UJ
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	UJ
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	2.0	
10061-02-6	trans-1,3-Dichloropropene		0.056	5.0	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-05, V-10~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	1.0	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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9

1 - FORM I
ANALYSIS DATA SHEET

TB-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-09	File ID:	VB233018.D
Sampled:	08/13/13 15:45	Prepared:	08/16/13 08:35	Analyzed:	08/21/13 13:44
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079026	Sequence:	S004589	Calibration:	1300088
				Instrument:	GCMSVOA2

MW 10/18/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	UJ
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	5.0	R
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	2.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	UJ
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	R
120-82-1	1,2,4-Trichlorobenzene		0.12	5.0	R
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	UJ ~~V-05~~
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

9

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1 - FORM I
ANALYSIS DATA SHEET

TB-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0490
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0490-09	File ID:	VB233018.D
Sampled:	08/13/13 15:45	Prepared:	08/16/13 08:35	Analyzed:	08/21/13 13:44
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079026	Sequence:	S004589	Calibration:	1300088

NW 10/18/13

Instrument: GCMSVOA2

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

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1

1 - FORM I
ANALYSIS DATA SHEET
MW-01_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-01
Sampled:	08/13/13 08:25		
% Solids:	0.00		

NW 10/18/13

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	0.51	0.026	0.050	1		B078766	08/15/13 18:59	SW-846 6010C

2

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1 - FORM I
ANALYSIS DATA SHEET
MW-02_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-02
Sampled:	08/13/13 09:45		
% Solids:	0.00		

NW 10/18/13

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	1.1	0.026	0.050	1		B078766	08/15/13 19:04	SW-846 6010C

3

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1 - FORM I
ANALYSIS DATA SHEET
MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03
Sampled:	08/13/13 11:00		
% Solids:	0.00		

NW
10/18/13

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	1.8	0.026	0.050	1		B078766	08/15/13 19:29	SW-846 6010C

4

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1 - FORM I
ANALYSIS DATA SHEET
MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04
Sampled:	08/13/13 12:00		
% Solids:	0.00		

NW
10/18/13

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	2.2	0.026	0.050	1		B078766	08/15/13 19:35	SW-846 6010C

7

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1 - FORM I
ANALYSIS DATA SHEET
MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-07
Sampled:	08/13/13 14:10		
% Solids:	0.00		

NW 10/18/13

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	0.087 U	0.026	0.050	1		B078766	08/15/13 19:40	SW-846 6010C

8

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1 - FORM I
ANALYSIS DATA SHEET
MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08
Sampled:	08/13/13 15:25		
% Solids:	0.00		

NW 10/18/13

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron		0.026	0.050	1		B078766	08/15/13 19:45	SW-846 6010C

1

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1 - FORM I
ANALYSIS DATA SHEET
MW-01_08-13-13

NW 10/18/13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-01
Sampled:	08/13/13 08:25		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	400	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	150	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron		0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N	0.37	0.015	0.050	5		B078797	08/14/13 14:25	SM 18-20 4500 NO2
14808-79-8	Sulfate	130	8.0	10	5		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	UJ ~~L-03~~	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	12	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1200		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

2

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1 - FORM I
ANALYSIS DATA SHEET
MW-02_08-13-13

NW 10/18/13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-02
Sampled:	08/13/13 09:45		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	290	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	350	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron	0.30	0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N		0.0030	0.010	1		B078797	08/14/13 14:25	SM 18-20 4500 NO2
14808-79-8	Sulfate	23	1.6	2.0	1		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	UJ ~~L-03~~	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	2.2	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1500		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

3

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1 - FORM I
ANALYSIS DATA SHEET
MW-08_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-03
Sampled:	08/13/13 11:00		
% Solids:	0.00		

NW 10/18/13

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	430	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	180	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron	0.21	0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N		0.0030	0.010	1		B078797	08/14/13 14:25	SM 18-20 4500 NO2
14808-79-8	Sulfate	100	8.0	10	5		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	UJ ~~L-03~~	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	5.3	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1300		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

4

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1 - FORM I
ANALYSIS DATA SHEET
MW-03_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-04
Sampled:	08/13/13 12:00		
% Solids:	0.00		

NW 10/18/13

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	620	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	95	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron	1.9	0.25	0.40	2		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N	0.020	0.0030	0.010	1		B078797	08/14/13 14:25	SM 18-20 4500 NO2
14808-79-8	Sulfate	120	8.0	10	5		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	UJ ~~L-03~~	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	7.3	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1400		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

7

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1 - FORM I
ANALYSIS DATA SHEET
MW-07_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-07
Sampled:	08/13/13 14:10		
% Solids:	0.00		

MW
10/18/13

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	560	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	190	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron		0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N		0.0030	0.010	1		B078797	08/14/13 14:25	SM 18-20 4500 NO2
14808-79-8	Sulfate	31	1.6	2.0	1		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	UJ ~~L-03~~	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	4.7	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1500		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

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8

1 - FORM I
ANALYSIS DATA SHEET
MW-05_08-13-13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0490
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0490-08
Sampled:	08/13/13 15:25		
% Solids:	0.00		

NW 10/18/13

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	340	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	39	0.70	1.0	1		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron		0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N	1.5	0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N		0.0030	0.010	1		B078797	08/14/13 14:25	SM 18-20 4500 NO2
14808-79-8	Sulfate	77	3.2	4.0	2		B078870	08/15/13 15:45	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	UJ ~~L-03~~	B078828	08/15/13 11:10	SM18-20
NA	Total Organic Carbon	3.0	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	790		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

ENVIRONMENTAL
Data Services, Inc.

DATA USABILITY SUMMARY REPORT
FORMER DORO CLEANERS, BUFFALO, NEW YORK

Client: CDM Smith, Inc., Latham, New York
SDG: 13H0569
Laboratory: Con-Test Analytical Laboratory, East Longmeadow, Massachusetts
Site: Former Doro Cleaners, Buffalo, New York
Date: October 17, 2013

EDS ID	Client Sample ID	Laboratory Sample ID	Matrix
1	MW-04_08-14-13	13H0569-01	Water
2	MW-06_08-14-13	13H0569-02	Water
2MS†	MW-06_08-14-13MS	13H0569-02MS	Water
2MSD†	MW-06_08-14-13MSD	13H0569-02MSD	Water
3*	FB-02_08-14-13	13H0569-03	Water
4*	TB-03_08-14-13	13H0569-04	Water
5*	FD-01_08-14-13	13H0569-05	Water

* - VOC only † - All analyses except alkalinity, sulfide and specific conductance

A Data Usability Summary Review was performed on the analytical data for three water samples, one aqueous field blank sample, and one aqueous trip blank sample collected August 14, 2013 by CDM Smith at the Former Doro Cleaners site in Buffalo, New York. The samples were analyzed under Environmental Protection Agency (USEPA) *"Test Methods for the Evaluation of Solid Waste, USEPA SW-846, Third Edition, September 1986, with revisions".*

Specific method references are as follows:

Analysis	*Method References*
VOCs	USEPA SW-846 Method 8260C
Iron	USEPA Method 6010C
Ferrous Iron	Standard Method SM3500 Fe D
Alkalinity	Standard Method SM2320B
Chloride	Standard Method SM4500 CL B
Nitrate	Standard Method SM4500 NO3 F
Nitrite	Standard Method SM4500 NO2 B
Sulfate	ASTM Method D516-90, 02
Sulfide	Standard Method SM4500S-E
Total Organic Carbon	Standard Method 5310B
Specific Conductance	Standard Method SM2510B

The data have been validated according to the protocols and quality control (QC) requirements of the analytical methods and the USEPA Region II Data Review Standard Operating Procedures (SOPs) as follows:

- SOP Number HW-24, Revision 2, August 2008: Validating Volatile Organic Compounds by SW-846 Method 8260B;

- SOP Number HW-2, Revision 13, September 2006: Evaluation of Metals Data for the CLP Program based on ILMO5.3;
- and the reviewer's professional judgment.

The following items/criteria were reviewed for this report:

Organics

- Data Completeness
- Holding times and sample preservation
- Surrogate Spike recoveries
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Gas Chromatography (GC)/Mass Spectroscopy (MS) tuning
- Initial and continuing calibration summaries
- Compound Quantitation
- Internal standard area and retention time summary forms
- Field Duplicate sample precision

Inorganics

- Data Completeness
- Holding times and sample preservation
- Matrix Spike/Matrix Spike Duplicate (MS/MSD) recoveries
- Laboratory Control Sample (LCS) recoveries
- Method blank and field blank contamination
- Initial and continuing calibration verifications
- ICS Check Sample
- Compound Quantitation
- ICP Serial Dilution
- Field Duplicate sample precision

Overall Usability Issues:

There were several rejections of data. This data cannot be used in the decision-making process for this project.

- tert-Butyl alcohol and 1,4-dioxane were rejected in all samples due to low initial calibration RRF values.

Overall the remaining data is acceptable for the intended purposes as qualified for the following deficiencies.

- Two compounds were qualified as estimated in one sample due to low MS/MSD recoveries.
- Several compounds were qualified as estimated in all samples due to high continuing calibration %D values.

- Sulfide was qualified as estimated in two samples due to a low LCS recovery.

Please note that any results qualified (U) due to blank contamination may be then qualified (J) due to another action. Therefore, the results may be qualified (UJ) due to the culmination of the blank contaminations and actions from other exceedences of QC criteria.

Data Completeness

- The data is a complete Category B data package as defined under the requirements for the NYS Department of Environmental Conservation Analytical Services Protocol.

Volatile Organics Compounds (VOCs)

Holding Times

- All samples were analyzed within 14 days for preserved water samples.

Surrogate Spike Recoveries

- All samples exhibited acceptable surrogate recoveries.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The following table presents MS/MSD samples that exhibited percent recoveries (%R) outside the QC limits and/or relative percent differences (RPD) above QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

MS/MSD Sample ID	Compound	MS %R/MSD %R/ RPD	Qualifier
2	Bromomethane	41.3%/43.6%/OK	None - See CCAL
	tert-Butyl alcohol (TBA)	134%150%OK	None - See ICAL
	Chloromethane	33.8%/26.0%/OK	None - See CCAL
	1,2-Dibromo-3-chloropropane	157%/152%/OK	None - ND
	Dichlorodifluoromethane	61.4%/61.3%/OK	J/UJ
	2,2-Dichloropropane	64.0%/59.5%/OK	J/UJ
	Naphthalene	171%/171%/OK	None - ND - See CCAL
	1,2,3-Trichlorobenzene	164%/166%/OK	

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
B079226-BS1	Bromomethane	39.0%	None	See CCAL
	Chloromethane	26.8%	None	
B079321-BS1	Chloromethane	32.2%	None	See CCAL
	Naphthalene	136%	None	All ND
	1,2,3-Trichlorobenzene	141%	None	

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field blank results are summarized below.

Blank ID	Compound	Conc. ug/L	Action Level ug/L	Qualifier	Affected Samples
FB-02_08-14-13	None - ND	-	-	-	-
TB-03_08-14-13	None - ND	-	-	-	-

GC/MS Tuning

- All criteria were met.

Initial Calibration

- The following table presents compounds that exceeded 20 percent relative standard deviation (%RSD) and/or average RRF values <0.05 in the initial calibration (ICAL). A low RRF indicates poor indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %RSD may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

ICAL Date	Compound	%RSD/RRF	Qualifier	Affected Samples
05/17/13	tert-Butyl alcohol (TBA)	0.017 RRF	J/R	All Samples
	1,4-Dioxane	0.017 RRF	J/R	

Continuing Calibration

- The following table presents compounds that exceeded 20 percent deviation (%D) and/or RRF values <0.05 in the continuing calibration (CCAL). A low RRF indicates poor instrument sensitivity for these compounds. Positive results for these compounds in the affected samples are considered estimated and qualified (J). Non-detect results for these compounds in the affected samples are rejected (R) and are unusable for project objectives. A high %D may indicate a potential high or low bias. All results for these compounds in affected samples are considered estimated and qualified (J/UJ).

CCAL Date	Compound	%D/RRF	Qualifier	Affected Samples
08/21/13	Bromomethane	22.6%	J/UJ	1, 3-5
	tert-Butyl alcohol (TBA)	0.018 RRF	None	See ICAL
	Chloromethane	59.8%	J/UJ	1, 3-5
	1,4-Dioxane	0.017 RRF	None	See ICAL
	Naphthalene	22.9%	J/UJ	1, 3-5
	1,2,3-Trichlorobenzene	28.6%	J/UJ	
08/22/13	Bromomethane	42.5%	J/UJ	2
	tert-Butyl alcohol (TBA)	0.017 RRF	None	See ICAL
	Chloromethane	46.1%	J/UJ	2
	1,4-Dioxane	0.015 RRF	None	See ICAL
	Naphthalene	23.2%	J/UJ	2
	1,2,3-Trichlorobenzene	24.9%	J/UJ	

Compound Quantitation

- EDS Sample ID #1 was analyzed at a 250X dilution due to high concentrations of target compounds.
- EDS Sample ID #s 2 and 5 were analyzed at a 500X dilution due to high concentrations of target compounds.

Internal Standard (IS) Area Performance

- All internal standards met response and retention time (RT) criteria.

Field Duplicate Sample Precision

- Field duplicate samples are summarized below.

VOCs				
Compound	MW-06_08-14-13 ug/L	FD-01_08-14-13 ug/L	RPD	Qualifier
cis-1,2-Dichloroethylene	22000	23000	4%	None

Tentatively Identified Compounds (TICs)

- TICs were not reported.

Metals (Iron)

Holding Times

- All samples were prepared and analyzed within 180 days for iron.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD sample exhibited acceptable %R and RPD values.

Duplicate Sample Analysis

- The duplicate sample exhibited acceptable RPD values.

Laboratory Control Samples

- The LCS sample exhibited acceptable recoveries.

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field QC samples were not analyzed.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Interference Check Sample

- All criteria were met.

Compound Quantitation

- All criteria were met.

ICP Serial Dilution

- ICP serial dilution percent differences (%D) were within acceptance limits.

Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

Ferrous Iron, Alkalinity, Chloride, Nitrate, Nitrite, Sulfate, Sulfide, Total Organic Carbon, Specific Conductance

Holding Times

- All samples were prepared and analyzed within the recommended time for each analysis.

Matrix Spike/Matrix Spike Duplicate (MS/MSD) Recoveries

- The MS/MSD sample exhibited acceptable %R and RPD values.

Duplicate Sample Analysis

- The duplicate sample exhibited acceptable RPD values.

Laboratory Control Samples

- The following table presents LCS percent recoveries (%R) outside the QC limits. A low %R may indicate a potential low bias while a high %R may indicate a potential high bias. For a low %R, positive results are considered estimated and qualified (J) while non-detects are estimated and qualified (UJ). For a high %R, positive results are considered estimated and qualified (J). Results are valid and usable, however possibly biased.

LCS ID	Compound	%R	Qualifier	Affected Samples
B079053-BS1	Sulfide	56.4%	J/UJ	1, 2

Method Blank

- The method blanks were free of contamination.

Field Blank

- Field QC samples were not analyzed.

Initial Calibration Verification

- All initial calibration criteria were met.

Continuing Calibration Verification

- All continuing calibration criteria were met.

Compound Quantitation

- All samples were analyzed at various dilutions due to high concentrations of wet chemistry parameters.

Field Duplicate Sample Precision

- Field duplicate samples were not analyzed.

Please contact the undersigned at (757) 564-0090 if you have any questions or need further information.

Signed: Nancy Weaver Dated: 10/21/13

Nancy Weaver
Senior Chemist

Data Qualifiers

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ = The analyte was not detected above the sample reporting limit; and the reporting limit is approximate.

U = The analyte was analyzed for, but was not detected above the sample reporting limit.

R = The sample results is rejected due to serious deficiencies. The presence or absence of the analyte cannot be verified.

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1

1 - FORM I
ANALYSIS DATA SHEET

MW-04_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-01	File ID:	ve233014.D
Sampled:	08/14/13 09:20	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 13:07
Solids:		Preparation:	SW-846 5030B	Dilution:	250
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
				Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		1200	12000		
107-13-1	Acrylonitrile		140	1200		
994-05-8	tert-Amyl Methyl Ether (TAME)		23	120		
71-43-2	Benzene		20	250		
108-86-1	Bromobenzene		11	250		
74-97-5	Bromochloromethane		56	250		
75-27-4	Bromodichloromethane		22	120		
75-25-2	Bromoform		52	250		
74-83-9	Bromomethane		240	500	UJ	~~V-05~~
78-93-3	2-Butanone (MEK)		590	5000		
75-65-0	tert-Butyl Alcohol (TBA)		540	5000	R	~~V-16~~
104-51-8	n-Butylbenzene		14	250		
135-98-8	sec-Butylbenzene		21	250		
98-06-6	tert-Butylbenzene		24	250		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		19	120		
75-15-0	Carbon Disulfide		260	1000		
56-23-5	Carbon Tetrachloride		25	1200		
108-90-7	Chlorobenzene		30	250		
124-48-1	Chlorodibromomethane		14	120		
75-00-3	Chloroethane		40	500		
67-66-3	Chloroform		36	500		
74-87-3	Chloromethane		81	500	UJ	~~L-04, V-05~~
95-49-8	2-Chlorotoluene		18	250		
106-43-4	4-Chlorotoluene		18	250		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		84	1200		

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1

1 - FORM I
ANALYSIS DATA SHEET

MW-04_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-01	File ID:	ve233014.D
Sampled:	08/14/13 09:20	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 13:07
Solids:		Preparation:	SW-846 5030B	Dilution:	250
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053

NW 10/17/13

Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		22	120	
74-95-3	Dibromomethane		18	250	
95-50-1	1,2-Dichlorobenzene		19	250	
541-73-1	1,3-Dichlorobenzene		20	250	
106-46-7	1,4-Dichlorobenzene		12	250	
110-57-6	trans-1,4-Dichloro-2-butene		30	500	
75-71-8	Dichlorodifluoromethane (Freon 12)		30	500	
75-34-3	1,1-Dichloroethane		40	250	
107-06-2	1,2-Dichloroethane		48	250	
75-35-4	1,1-Dichloroethylene		52	250	
156-59-2	cis-1,2-Dichloroethylene	15000	37	250	
156-60-5	trans-1,2-Dichloroethylene		38	250	
78-87-5	1,2-Dichloropropane		28	250	
142-28-9	1,3-Dichloropropane		25	120	
594-20-7	2,2-Dichloropropane		18	250	
563-58-6	1,1-Dichloropropene		32	500	
10061-01-5	cis-1,3-Dichloropropene		16	120	
10061-02-6	trans-1,3-Dichloropropene		14	120	
60-29-7	Diethyl Ether		56	500	
108-20-3	Diisopropyl Ether (DIPE)		45	120	
123-91-1	1,4-Dioxane		6600	12000	R ~~V-16~~
100-41-4	Ethylbenzene		23	250	
87-68-3	Hexachlorobutadiene		42	120	
591-78-6	2-Hexanone (MBK)		380	2500	
98-82-8	Isopropylbenzene (Cumene)		28	250	

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1 - FORM I
ANALYSIS DATA SHEET

MW-04_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-01	File ID:	ve233014.D
Sampled:	08/14/13 09:20	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 13:07
Solids:		Preparation:	SW-846 5030B	Dilution:	250
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053

NW 10/17/13

Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		31	250	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		22	250	
75-09-2	Methylene Chloride		800	1200	
108-10-1	4-Methyl-2-pentanone (MIBK)		370	2500	
91-20-3	Naphthalene		30	500	UJ
103-65-1	n-Propylbenzene		24	250	
100-42-5	Styrene		30	250	
630-20-6	1,1,1,2-Tetrachloroethane		30	250	
79-34-5	1,1,2,2-Tetrachloroethane		31	120	
127-18-4	Tetrachloroethylene		20	250	
109-99-9	Tetrahydrofuran		270	2500	
108-88-3	Toluene		22	250	
87-61-6	1,2,3-Trichlorobenzene		35	1200	UJ
120-82-1	1,2,4-Trichlorobenzene		30	250	
108-70-3	1,3,5-Trichlorobenzene		34	250	
71-55-6	1,1,1-Trichloroethane		24	250	
79-00-5	1,1,2-Trichloroethane		29	250	
79-01-6	Trichloroethylene		19	250	
75-69-4	Trichlorofluoromethane (Freon 11)		37	500	
96-18-4	1,2,3-Trichloropropane		30	500	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		23	250	
95-63-6	1,2,4-Trimethylbenzene		45	250	
108-67-8	1,3,5-Trimethylbenzene		25	250	
75-01-4	Vinyl Chloride	3500	33	500	
108383/106423	m+p Xylene		45	500	

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1 - FORM I
ANALYSIS DATA SHEET

MW-04_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-01	File ID:	ve233014.D
Sampled:	08/14/13 09:20	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 13:07
Solids:		Preparation:	SW-846 5030B	Dilution:	250
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		28	250	

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2

1 - FORM I
ANALYSIS DATA SHEET

MW-06_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-02	File ID:	ve234010.D
Sampled:	08/14/13 10:50	Prepared:	08/22/13 08:49	Analyzed:	08/22/13 13:15
Solids:		Preparation:	SW-846 5030B	Dilution:	500
Initial/Final:	5 mL / 5 mL				
Batch:	B079321	Sequence:	S004572	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2300	25000	
107-13-1	Acrylonitrile		290	2500	
994-05-8	tert-Amyl Methyl Ether (TAME)		46	250	
71-43-2	Benzene		40	500	
108-86-1	Bromobenzene		22	500	
74-97-5	Bromochloromethane		110	500	
75-27-4	Bromodichloromethane		44	250	
75-25-2	Bromoform		100	500	
74-83-9	Bromomethane		470	1000	UJ ~~MS-07A~~
78-93-3	2-Butanone (MEK)		1200	10000	
75-65-0	tert-Butyl Alcohol (TBA)		1100	10000	R ~~MS-15, V-16~~
104-51-8	n-Butylbenzene		27	500	
135-98-8	sec-Butylbenzene		42	500	
98-06-6	tert-Butylbenzene		48	500	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		38	250	
75-15-0	Carbon Disulfide		510	2000	
56-23-5	Carbon Tetrachloride		50	2500	
108-90-7	Chlorobenzene		60	500	
124-48-1	Chlorodibromomethane		27	250	
75-00-3	Chloroethane		80	1000	
67-66-3	Chloroform		72	1000	
74-87-3	Chloromethane		160	1000	UJ ~~-04, MS-09, V-0~~
95-49-8	2-Chlorotoluene		35	500	
106-43-4	4-Chlorotoluene		37	500	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		170	2500	~~MS-15~~

2

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

1 - FORM I
ANALYSIS DATA SHEET

MW-06_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Ground Water	Laboratory ID:	13H0569-02	File ID:	ve234010.D		
Sampled:	08/14/13 10:50	Prepared:	08/22/13 08:49	Analyzed:	08/22/13 13:15		
Solids:		Preparation:	SW-846 5030B	Dilution:	500		
Initial/Final:	5 mL / 5 mL						
Batch:	B079321	Sequence:	S004572	Calibration:	1300053	Instrument:	GCMSVOA5

MW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
106-93-4	1,2-Dibromoethane (EDB)		44	250		
74-95-3	Dibromomethane		35	500		
95-50-1	1,2-Dichlorobenzene		38	500		
541-73-1	1,3-Dichlorobenzene		40	500		
106-46-7	1,4-Dichlorobenzene		23	500		
110-57-6	trans-1,4-Dichloro-2-butene		60	1000		
75-71-8	Dichlorodifluoromethane (Freon 12)		60	1000	UJ	~~MS-07A~~
75-34-3	1,1-Dichloroethane		79	500		
107-06-2	1,2-Dichloroethane		97	500		
75-35-4	1,1-Dichloroethylene		100	500		
156-59-2	cis-1,2-Dichloroethylene	22000	74	500		
156-60-5	trans-1,2-Dichloroethylene		75	500		
78-87-5	1,2-Dichloropropane		56	500		
142-28-9	1,3-Dichloropropane		50	250		
594-20-7	2,2-Dichloropropane		36	500	UJ	~~MS-07A~~
563-58-6	1,1-Dichloropropene		64	1000		
10061-01-5	cis-1,3-Dichloropropene		31	250		
10061-02-6	trans-1,3-Dichloropropene		28	250		
60-29-7	Diethyl Ether		110	1000		
108-20-3	Diisopropyl Ether (DIPE)		90	250		
123-91-1	1,4-Dioxane		13000	25000	R	~~V-16~~
100-41-4	Ethylbenzene		46	500		
87-68-3	Hexachlorobutadiene		85	250		
591-78-6	2-Hexanone (MBK)		760	5000		
98-82-8	Isopropylbenzene (Cumene)		56	500		

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2

1 - FORM I
ANALYSIS DATA SHEET

MW-06_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-02	File ID:	ve234010.D
Sampled:	08/14/13 10:50	Prepared:	08/22/13 08:49	Analyzed:	08/22/13 13:15
Solids:		Preparation:	SW-846 5030B	Dilution:	500
Initial/Final:	5 mL / 5 mL				
Batch:	B079321	Sequence:	S004572	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		62	500	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		45	500	
75-09-2	Methylene Chloride		1600	2500	
108-10-1	4-Methyl-2-pentanone (MIBK)		730	5000	
91-20-3	Naphthalene		60	1000	UJ ~~MS-15~~
103-65-1	n-Propylbenzene		47	500	
100-42-5	Styrene		60	500	
630-20-6	1,1,1,2-Tetrachloroethane		60	500	
79-34-5	1,1,2,2-Tetrachloroethane		62	250	
127-18-4	Tetrachloroethylene		40	500	
109-99-9	Tetrahydrofuran		540	5000	
108-88-3	Toluene		45	500	
87-61-6	1,2,3-Trichlorobenzene		70	2500	UJ ~~MS-15~~
120-82-1	1,2,4-Trichlorobenzene		59	500	
108-70-3	1,3,5-Trichlorobenzene		69	500	
71-55-6	1,1,1-Trichloroethane		47	500	
79-00-5	1,1,2-Trichloroethane		58	500	
79-01-6	Trichloroethylene		38	500	
75-69-4	Trichlorofluoromethane (Freon 11)		74	1000	
96-18-4	1,2,3-Trichloropropane		60	1000	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		46	500	
95-63-6	1,2,4-Trimethylbenzene		90	500	
108-67-8	1,3,5-Trimethylbenzene		50	500	
75-01-4	Vinyl Chloride		66	1000	
108383/106423	m+p Xylene		90	1000	

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2

1 - FORM I
ANALYSIS DATA SHEET

MW-06_08-14-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13H0569	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Ground Water	Laboratory ID:	13H0569-02	File ID:	ve234010.D
Sampled:	08/14/13 10:50	Prepared:	08/22/13 08:49	Analyzed:	08/22/13 13:15
Solids:		Preparation:	SW-846 5030B	Dilution:	500
Initial/Final:	5 mL / 5 mL				
Batch:	B079321	Sequence:	S004572	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		55	500	

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3

1 - FORM I
ANALYSIS DATA SHEET

FB-02_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-03	File ID:	ve233011.D
Sampled:	08/14/13 10:10	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 11:48
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	0.50		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	~~V-05~~
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	1.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	4.0		
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0	UJ	~~L-04, V-05~~
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

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3

1 - FORM I
ANALYSIS DATA SHEET

FB-02_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-03	File ID:	ve233011.D
Sampled:	08/14/13 10:10	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 11:48
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/7/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.056	0.50	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	0.50	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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3

1 - FORM I
ANALYSIS DATA SHEET

FB-02_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-03	File ID:	ve233011.D
Sampled:	08/14/13 10:10	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 11:48
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	2.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	UJ
120-82-1	1,2,4-Trichlorobenzene		0.12	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

3

1 - FORM I
ANALYSIS DATA SHEET

FB-02_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-03	File ID:	ve233011.D
Sampled:	08/14/13 10:10	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 11:48
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

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4

1 - FORM I
ANALYSIS DATA SHEET

TB-03_08-14-13

Laboratory:	Con-Test Analytical Laboratory		Work Order:	13H0569	
Client:	CDM Smith, Inc. - NY		Project:	Buffalo, NY	
Matrix:	Trip Blank Water	Laboratory ID:	13H0569-04	File ID:	ve233012.D
Sampled:	08/14/13 10:05	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 12:14
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q	
67-64-1	Acetone		4.7	50		
107-13-1	Acrylonitrile		0.58	5.0		
994-05-8	tert-Amyl Methyl Ether (TAME)		0.091	0.50		
71-43-2	Benzene		0.079	1.0		
108-86-1	Bromobenzene		0.044	1.0		
74-97-5	Bromochloromethane		0.22	1.0		
75-27-4	Bromodichloromethane		0.088	0.50		
75-25-2	Bromoform		0.21	1.0		
74-83-9	Bromomethane		0.94	2.0	UJ	~~V-05~~
78-93-3	2-Butanone (MEK)		2.4	20		
75-65-0	tert-Butyl Alcohol (TBA)		2.2	20	R	~~V-16~~
104-51-8	n-Butylbenzene		0.054	1.0		
135-98-8	sec-Butylbenzene		0.084	1.0		
98-06-6	tert-Butylbenzene		0.096	1.0		
637-92-3	tert-Butyl Ethyl Ether (TBEE)		0.075	0.50		
75-15-0	Carbon Disulfide		1.0	4.0		
56-23-5	Carbon Tetrachloride		0.10	5.0		
108-90-7	Chlorobenzene		0.12	1.0		
124-48-1	Chlorodibromomethane		0.054	0.50		
75-00-3	Chloroethane		0.16	2.0		
67-66-3	Chloroform		0.14	2.0		
74-87-3	Chloromethane		0.32	2.0	UJ	L-04 ~~V-05~~
95-49-8	2-Chlorotoluene		0.070	1.0		
106-43-4	4-Chlorotoluene		0.074	1.0		
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		0.34	5.0		

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4

1 - FORM I
ANALYSIS DATA SHEET

TB-03_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0569-04	File ID:	ve233012.D
Sampled:	08/14/13 10:05	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 12:14
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		0.089	0.50	
74-95-3	Dibromomethane		0.070	1.0	
95-50-1	1,2-Dichlorobenzene		0.076	1.0	
541-73-1	1,3-Dichlorobenzene		0.079	1.0	
106-46-7	1,4-Dichlorobenzene		0.046	1.0	
110-57-6	trans-1,4-Dichloro-2-butene		0.12	2.0	
75-71-8	Dichlorodifluoromethane (Freon 12)		0.12	2.0	
75-34-3	1,1-Dichloroethane		0.16	1.0	
107-06-2	1,2-Dichloroethane		0.19	1.0	
75-35-4	1,1-Dichloroethylene		0.21	1.0	
156-59-2	cis-1,2-Dichloroethylene		0.15	1.0	
156-60-5	trans-1,2-Dichloroethylene		0.15	1.0	
78-87-5	1,2-Dichloropropane		0.11	1.0	
142-28-9	1,3-Dichloropropane		0.099	0.50	
594-20-7	2,2-Dichloropropane		0.072	1.0	
563-58-6	1,1-Dichloropropene		0.13	2.0	
10061-01-5	cis-1,3-Dichloropropene		0.062	0.50	
10061-02-6	trans-1,3-Dichloropropene		0.056	0.50	
60-29-7	Diethyl Ether		0.22	2.0	
108-20-3	Diisopropyl Ether (DIPE)		0.18	0.50	
123-91-1	1,4-Dioxane		26	50	R ~~V-16~~
100-41-4	Ethylbenzene		0.092	1.0	
87-68-3	Hexachlorobutadiene		0.17	0.50	
591-78-6	2-Hexanone (MBK)		1.5	10	
98-82-8	Isopropylbenzene (Cumene)		0.11	1.0	

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4

1 - FORM I
ANALYSIS DATA SHEET

TB-03_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Trip Blank Water	Laboratory ID:	13H0569-04	File ID:	ve233012.D
Sampled:	08/14/13 10:05	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 12:14
Solids:		Preparation:	SW-846 5030B	Dilution:	1
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
				Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		0.12	1.0	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		0.090	1.0	
75-09-2	Methylene Chloride		3.2	5.0	
108-10-1	4-Methyl-2-pentanone (MIBK)		1.5	10	
91-20-3	Naphthalene		0.12	2.0	
103-65-1	n-Propylbenzene		0.094	1.0	
100-42-5	Styrene		0.12	1.0	
630-20-6	1,1,1,2-Tetrachloroethane		0.12	1.0	
79-34-5	1,1,2,2-Tetrachloroethane		0.12	0.50	
127-18-4	Tetrachloroethylene		0.080	1.0	
109-99-9	Tetrahydrofuran		1.1	10	
108-88-3	Toluene		0.090	1.0	
87-61-6	1,2,3-Trichlorobenzene		0.14	5.0	UJ
120-82-1	1,2,4-Trichlorobenzene		0.12	1.0	
108-70-3	1,3,5-Trichlorobenzene		0.14	1.0	
71-55-6	1,1,1-Trichloroethane		0.094	1.0	
79-00-5	1,1,2-Trichloroethane		0.12	1.0	
79-01-6	Trichloroethylene		0.077	1.0	
75-69-4	Trichlorofluoromethane (Freon 11)		0.15	2.0	
96-18-4	1,2,3-Trichloropropane		0.12	2.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		0.092	1.0	
95-63-6	1,2,4-Trimethylbenzene		0.18	1.0	
108-67-8	1,3,5-Trimethylbenzene		0.10	1.0	
75-01-4	Vinyl Chloride		0.13	2.0	
108383/106423	m+p Xylene		0.18	2.0	

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4

1 - FORM I
ANALYSIS DATA SHEET

TB-03_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569		
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY		
Matrix:	Trip Blank Water	Laboratory ID:	13H0569-04	File ID:	ve233012.D		
Sampled:	08/14/13 10:05	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 12:14		
Solids:		Preparation:	SW-846 5030B	Dilution:	1		
Initial/Final:	5 mL / 5 mL						
Batch:	B079226	Sequence:	S004570	Calibration:	1300053	Instrument:	GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		0.11	1.0	

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5

1 - FORM I
ANALYSIS DATA SHEET

FD-01_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-05	File ID:	ve233016.D
Sampled:	08/14/13 00:00	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 14:07
Solids:		Preparation:	SW-846 5030B	Dilution:	500
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053

NW 10/17/13

Instrument: GCMSVOA5

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
67-64-1	Acetone		2300	25000	
107-13-1	Acrylonitrile		290	2500	
994-05-8	tert-Amyl Methyl Ether (TAME)		46	250	
71-43-2	Benzene		40	500	
108-86-1	Bromobenzene		22	500	
74-97-5	Bromochloromethane		110	500	
75-27-4	Bromodichloromethane		44	250	
75-25-2	Bromoform		100	500	
74-83-9	Bromomethane		470	1000	UJ ~~V-05~~
78-93-3	2-Butanone (MEK)		1200	10000	
75-65-0	tert-Butyl Alcohol (TBA)		1100	10000	R ~~V-18~~
104-51-8	n-Butylbenzene		27	500	
135-98-8	sec-Butylbenzene		42	500	
98-06-6	tert-Butylbenzene		48	500	
637-92-3	tert-Butyl Ethyl Ether (TBEE)		38	250	
75-15-0	Carbon Disulfide		510	2000	
56-23-5	Carbon Tetrachloride		50	2500	
108-90-7	Chlorobenzene		60	500	
124-48-1	Chlorodibromomethane		27	250	
75-00-3	Chloroethane		80	1000	
67-66-3	Chloroform		72	1000	
74-87-3	Chloromethane		160	1000	UJ ~~L-04, V-05~~
95-49-8	2-Chlorotoluene		35	500	
106-43-4	4-Chlorotoluene		37	500	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)		170	2500	

5

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1 - FORM I
ANALYSIS DATA SHEET

FD-01_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-05	File ID:	ve233016.D
Sampled:	08/14/13 00:00	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 14:07
Solids:		Preparation:	SW-846 5030B	Dilution:	500
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053

Instrument: GCMSVOA5

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
106-93-4	1,2-Dibromoethane (EDB)		44	250	
74-95-3	Dibromomethane		35	500	
95-50-1	1,2-Dichlorobenzene		38	500	
541-73-1	1,3-Dichlorobenzene		40	500	
106-46-7	1,4-Dichlorobenzene		23	500	
110-57-6	trans-1,4-Dichloro-2-butene		60	1000	
75-71-8	Dichlorodifluoromethane (Freon 12)		60	1000	
75-34-3	1,1-Dichloroethane		79	500	
107-06-2	1,2-Dichloroethane		97	500	
75-35-4	1,1-Dichloroethylene		100	500	
156-59-2	cis-1,2-Dichloroethylene	23000	74	500	
156-60-5	trans-1,2-Dichloroethylene		75	500	
78-87-5	1,2-Dichloropropane		56	500	
142-28-9	1,3-Dichloropropane		50	250	
594-20-7	2,2-Dichloropropane		36	500	
563-58-6	1,1-Dichloropropene		64	1000	
10061-01-5	cis-1,3-Dichloropropene		31	250	
10061-02-6	trans-1,3-Dichloropropene		28	250	
60-29-7	Diethyl Ether		110	1000	
108-20-3	Diisopropyl Ether (DIPE)		90	250	
123-91-1	1,4-Dioxane		13000	25000	R ~~V-16~~
100-41-4	Ethylbenzene		46	500	
87-68-3	Hexachlorobutadiene		85	250	
591-78-6	2-Hexanone (MBK)		760	5000	
98-82-8	Isopropylbenzene (Cumene)		56	500	

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5

1 - FORM I
ANALYSIS DATA SHEET

FD-01_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-05	File ID:	ve233016.D
Sampled:	08/14/13 00:00	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 14:07
Solids:		Preparation:	SW-846 5030B	Dilution:	500
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
Instrument:	GCMSVOA5				

NW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
99-87-6	p-Isopropyltoluene (p-Cymene)		62	500	
1634-04-4	Methyl tert-Butyl Ether (MTBE)		45	500	
75-09-2	Methylene Chloride		1600	2500	
108-10-1	4-Methyl-2-pentanone (MIBK)		730	5000	
91-20-3	Naphthalene		60	1000	
103-65-1	n-Propylbenzene		47	500	
100-42-5	Styrene		60	500	
630-20-6	1,1,1,2-Tetrachloroethane		60	500	
79-34-5	1,1,2,2-Tetrachloroethane		62	250	
127-18-4	Tetrachloroethylene		40	500	
109-99-9	Tetrahydrofuran		540	5000	
108-88-3	Toluene		45	500	
87-61-6	1,2,3-Trichlorobenzene		70	2500	UJ
120-82-1	1,2,4-Trichlorobenzene		59	500	
108-70-3	1,3,5-Trichlorobenzene		69	500	
71-55-6	1,1,1-Trichloroethane		47	500	
79-00-5	1,1,2-Trichloroethane		58	500	
79-01-6	Trichloroethylene		38	500	
75-69-4	Trichlorofluoromethane (Freon 11)		74	1000	
96-18-4	1,2,3-Trichloropropane		60	1000	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 1		46	500	
95-63-6	1,2,4-Trimethylbenzene		90	500	
108-67-8	1,3,5-Trimethylbenzene		50	500	
75-01-4	Vinyl Chloride		66	1000	
108383/106423	m+p Xylene		90	1000	

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5

1 - FORM I
ANALYSIS DATA SHEET

FD-01_08-14-13

Laboratory:	Con-Test Analytical Laboratory			Work Order:	13H0569
Client:	CDM Smith, Inc. - NY			Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-05	File ID:	ve233016.D
Sampled:	08/14/13 00:00	Prepared:	08/21/13 10:39	Analyzed:	08/21/13 14:07
Solids:		Preparation:	SW-846 5030B	Dilution:	500
Initial/Final:	5 mL / 5 mL				
Batch:	B079226	Sequence:	S004570	Calibration:	1300053
				Instrument:	GCMSVOA5

MW 10/17/13

CAS NO.	COMPOUND	CONC. (µg/L)	MDL	RL	Q
95-47-6	o-Xylene		55	500	

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1

1 - FORM I
ANALYSIS DATA SHEET
MW-04_08-14-13

NW
10/17/13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0569
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-01
Sampled:	08/14/13 09:20		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	3.4	0.026	0.050	1		B079102	08/20/13 14:40	SW-846 6010C

2

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1 - FORM I
ANALYSIS DATA SHEET
MW-06_08-14-13

NW 10/17/13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0569
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-02
Sampled:	08/14/13 10:50		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
7439-89-6	Iron	0.27	0.026	0.050	1		B079102	08/20/13 13:23	SW-846 6010C

1

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1 - FORM I
ANALYSIS DATA SHEET
MW-04_08-14-13

NW 10/17/13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0569
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-01
Sampled:	08/14/13 09:20		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	540	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	150	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron	1.4	0.25	0.40	2		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N		0.0030	0.010	1		B078867	08/15/13 11:20	SM 18-20 4500 NO2
14808-79-8	Sulfate	78	6.4	8.0	4		B079386	08/22/13 18:30	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	UJ ~~L-03~~	B079053	08/19/13 16:16	SM18-20
NA	Total Organic Carbon	18	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1300		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

2

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1 - FORM I
ANALYSIS DATA SHEET
MW-06_08-14-13

MW 10/17/13

Laboratory:	Con-Test Analytical Laboratory	SDG:	13H0569
Client:	CDM Smith, Inc. - NY	Project:	Buffalo, NY
Matrix:	Ground Water	Laboratory ID:	13H0569-02
Sampled:	08/14/13 10:50		
% Solids:	0.00		

CAS NO.	Analyte	Concentration (mg/L)	MDL	RL	DF	Q	Batch	Analyzed	Method
471-34-1	Alkalinity	380	0.79	1.0	1		B078962	08/16/13 11:00	SM18-20 2320B
16887-00-6	Chloride	150	3.5	5.0	5		B079056	08/21/13 13:10	SM18-20 4500 CL B
NA	Ferrous Iron		0.12	0.20	1		B079077	08/19/13 14:45	SM18-20 3500 Fe D
14797-55-8	Nitrate as N		0.030	0.050	1		B079065	08/19/13 09:58	SM 18-20 4500 NO3
14797-65-0	Nitrite as N		0.0030	0.010	1		B078867	08/15/13 11:20	SM 18-20 4500 NO2
14808-79-8	Sulfate	82	6.4	8.0	4		B079386	08/22/13 18:30	ASTM D516-90, 02
184-96-258	Sulfide		1.9	2.0	1	UJ ~~L-03~~	B079053	08/19/13 16:16	SM18-20
NA	Total Organic Carbon	14	0.67	1.0	1		B079021	08/19/13 08:22	SM 5310B

CAS NO.	Analyte	Concentration (µmhos/cm)	MDL	RL	DF	Q	Batch	Analyzed	Method
SC	Specific conductance	1200		2.0	1		B078961	08/16/13 12:15	SM18-20 2510B

DATA USABILITY SUMMARY REPORT
(DUSR)

DATA USABILITY SUMMARY REPORT
Volatile Organics
by EPA Compendium Method TO-15
Laboratory SDG: Data Package # 13D1071

Sample Identification

Field Sample ID	Lab ID	Matrix
SV-4 OA	13D1071-01	Air
SV-4 SS	13D1071-02	Air
SV-4 IA	13D1071-03	Air
SV-5 OA	13D1071-04	Air
SV-5 SS	13D1071-05	Air
SV-5 IA	13D1071-06	Air
SV-3 SS	13D1071-07	Air
SV-3 IA	13D1071-08	Air
SV-2 SS1	13D1071-09	Air
SV-1 IA2	13D1071-10	Air
SV-1 SS2	13D1071-11	Air
DUP 1	13D1071-12	Air
SV-2 OA	13D1071-13	Air
DUP 2	13D1071-14	Air

I. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

The laboratory submitted required deliverables. It is noted that the electronic copy was not bookmarked thoroughly for content, and no Table of Contents was included.

II. TECHNICAL DATA VALIDATION

The quality control elements that were reviewed are listed below:

Holding Times
Blanks
Reported Results
Accuracy
Precision
Instrument Performance and Calibration

Holding Times

Prescribed holding times for all samples were met. Canister pressures pre- and post-sampling were recorded on the chain-of-custody and were acceptable.

Blanks

All method blanks were reported free of contamination below the analyte PQL values.

Reported Results

Reported positive results in field samples were qualitatively verified from raw data chromatograms and spectral match.

Accuracy

Surrogate recoveries and internal standard responses were within limits. It is noted that NYSDEC and method guidance do not require surrogate spikes for TO-15 canister samples.

Blank Spike (LCS) samples were reported; the following target compound recoveries exceeded the upper limits: 4-methyl-2-pentanone (MIBK), acetone, isopropanol (IPA), and 1,1,2,2-tetrachloroethane.

Positive results for MIBK, acetone and IPA were qualified as estimated values (J) in associated samples, with indication of high bias. No positives were reported for 1,1,2,2-tetrachloroethane and therefore no qualifiers were assigned for this compound.

Precision

Samples SV-1 IA-2 and SV-2 SS1 were identified as the parent samples of field duplicate samples DUP-1 and DUP-2. RPD values for positive target compounds in field duplicates were within laboratory limits, as were laboratory duplicate RPD values for sample SV-4 SS.

Instrument Performance and Calibration

Calibration parameters were within acceptable limits, with the following exception: target compound Freon-113 presented %D value above the method limit of 30%, with reduced sensitivity.

Freon-113 was qualified as estimated (UJ or J) in all SDG air samples, with indication of low bias due to reduced sensitivity relative to average ICAL RRF.

CALIBRATION AND QC SUMMARY
EPA METHOD TO-15, GC-MS VOLATILES

Calibration or QC Check	Minimum Frequency	Acceptance Criteria	QC Non-Compliance Description	Data Qualification Action[1]
Sample Preservation	All samples	Certified clean & leak-free canisters per method Acceptable pressures	None found	
Holding Times	All samples	Analysis within 30 days from collection	None found	
MS Tuning	Every 24 hours, prior to calibrations	Method TO-15, Sect. 10.4 and Table 3 criteria	None found	
Initial Calibration	Prior to sample analysis, and whenever continuing calibrations fail to meet acceptance criteria (minimum 5 levels)	RSD of mean RRF each target must be ≤ 30.0% Note: Linear regression is optional for targets w/ RSD >30%; r must be >0.99	None found	
Retention Time Windows	Each sample analyzed	Relative retention time (RRT) of each positive analyte within ± 0.06 of associated IS RRT	None found	
Continuing Calibration Verification (CCV)	Daily, before sample analysis, and after each successive 24 hours of sample analysis	Response %D for each Target must be ≤ 30.0% %D = (RRFc - RRFi) / RRFi *100	Freon-113 (-32.5%) CCV 04/28 13D1071-01-14; LCS, DUP-1, DUP-2	Flag Freon-113 in associated samples as estimated (UJ or J) with indication of low bias
		%D = (True - Found) / True Value *100	None found CCV 04/26 13D1071-(04,07,09,11)RE; LCS, (DUP-1,DUP-2)RE	n/a
Method Blank (certified clean canister; w/ ultra-pure zero air)	After ICV or CCV, before sample analysis, minimum once per 24-hour period	No analytes detected ≥ PQL* for method blank * PQL = 3x MDL	04/28/13 B071996-BLK1 All targets <PQL 13D1071-01-14; LCS, DUP-1, DUP-2	
			04/26/13 B071997-BLK1 EtOH <PQL 13D1071-(04,07,09,11)RE; LCS, (DUP-1,DUP-2)RE	

Notes:
[1] See DV report for details.

Data Reviewer: Chris Taylor
For: CDM-Smith / NYSDEC

CALIBRATION AND QC SUMMARY
EPA METHOD TO-15, GC-MS VOLATILES

Calibration or QC Check	Minimum Frequency	Acceptance Criteria	QC Non-Compliance Description	Data Qualification Action[1]
Surrogates	Note: per NYSDEC and method guidance, use of surrogates for TO-15 is not required	All surrogates recovered within 70 - 130% of expected (true) value, or recovery within laboratory-derived statistical limits	None found	
Internal Standards (IS)	Every sample, blank and standard	Retention time (RT): ± 20 seconds max from CCAL or average of ICAL	None found	
		IS area: max. ± 40% from corresponding CCAL	None found	
Laboratory Control Sample (LCS) aka Laboratory-Fortified Blank (LFB) aka Blank Spike	Once per each analytical batch (should include all reported analytes), and should be prepared independently from calibration standards	All analytes recovered within 70 - 130% of expected (true) value, or recovery within laboratory-derived statistical limits	B071996-BS1 Acetone, IPA, MIBK, 1,1,2,2-tetrachloroethane out (>130%)	Flag positives only for noted compounds in associated samples as estimated (J) with indication of high bias
Field Duplicates	As submitted to laboratory and identified to reviewer	Not established; use lab-derived limits. Calculate RPD values and report.	DUP 1 SV-1 IA2	n/a All RPD values w/in lab limits
			DUP 2 SV-2 SS1	n/a All RPD values w/in lab limits
Lab Duplicates	As analyzed by laboratory	Not established; use lab-derived limits.	B071996-DUP1 SV-4 SS None found	

Notes:
[1] See DV report for details.

Data Reviewer: Chris Taylor
For: CDM-Smith / NYSDEC

DATA VALIDATION CHECKLIST
Mercury and Cyanide

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**

DATA PACKAGE: 12L0362 | **MATRIX:** Soil

PROJECT: Former Doro Cleaners ; Site No. 915238

LABORATORY: Con-Test

VALIDATOR: Chris Taylor | **DATE:** 06/24/2013

ANALYSES PERFORMED

☐ SW-846 6010/ICP Metals	☐ SW-846/GFAA Metals	☒ SW-846 Hg 7470/7471		
☐ SW-846 6020/ICP-MS Metals		☒ Other SW-846 Cyanide 9014		

Note: Affirmations apply to both mercury and cyanide analysis for samples 12L0362-03 and -12.

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated: None

Sample #s qualified rejected: None

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Are ICP interference checks acceptable? ☐ YES ☐ NO ☒ N/A

Were initial calibrations performed on all instruments? ☒ YES ☐ NO ☐ N/A

Are initial calibrations acceptable? ☒ YES ☐ NO ☐ N/A

Were ICV and CCV checks performed on all instruments? ☒ YES ☐ NO ☐ N/A

Are ICV and CCV checks acceptable? ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated: None

Sample #s qualified rejected: None

DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were ICB and CCB checks performed for all applicable analyses?	☒ YES	☐ NO	☐ N/A
Are ICB and CCB results acceptable?	☒ YES	☐ NO	☐ N/A
Were preparation blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are preparation blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified not-detected or estimated: None

Sample #s qualified rejected: None

5. ACCURACY (Level B and DUSR)

Were matrix spike samples analyzed?	☒ YES	☐ NO	☐ N/A
Are matrix spike sample recoveries acceptable?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Are LCS results acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *A batch MS/MSD for Hg was run; the parent sample was not from this SDG. LCS/LCSD were run for CN; recoveries were acceptable.*

Sample #s qualified estimated: None

Sample #s qualified rejected: None

6. PRECISION (Level B and DUSR)

Were laboratory duplicates analyzed?	☒ YES	☐ NO	☐ N/A
Are laboratory duplicate samples RPD values acceptable?	☐ YES	☐ NO	☒ N/A
Were field duplicates analyzed?	☐ YES	☒ NO	☐ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *A batch duplicate for Hg was run; the parent sample was not from this SDG. Duplicate LCS samples were run for HG and CN, with acceptable RPD values.*

Sample #s qualified estimated: None

Sample #s qualified rejected: None

DATA VALIDATION CHECKLIST
(Continued)

7. REPORTED RESULTS (All Levels)

Are results reported for all requested analyses? ☒ YES ☐ NO ☐ N/A

Are all results supported in the raw data? (DUSR) ☒ YES ☐ NO ☐ N/A

Comments:

COMMENTS (attach additional sheets as necessary):

Reviewed by: _____ 06/24/2013

Signature Date

Chris Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0362	VALIDATOR: C. Taylor	DATE: 06/24/2013	Page 1 of 1
PREP. HOLDING TIME LIMIT: N/A		ANALYSIS HOLDING TIME LIMIT: Mercury: 26 days from VTSR Cyanide: 12 days from VTSR	

Field Sample ID	Analysis Type	Date Received	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B15 (4-8ft)	Mercury	12/12/12	N/A	12/14/12	N/A	2	
B29 (10-12ft)	Mercury	12/12/12	N/A	12/14/12	N/A	2	
B15 (4-8ft)	Cyanide	12/12/12	N/A	12/20/12	N/A	8	
B29 (10-12ft)	Cyanide	12/12/12	N/A	12/20/12	N/A	8	

DATA VALIDATION CHECKLIST
Mercury and Cyanide

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**
DATA PACKAGE: 12L0409		**MATRIX:** Soil (12L0409-01) ; H_2O (12L0409-14)	
PROJECT: Former Doro Cleaners ; Site No. 915238			
LABORATORY: Con-Test			
VALIDATOR: Chris Taylor		**DATE:** 06/30/2013	

ANALYSES PERFORMED

☐ SW-846 6010/ICP Metals	☐ SW-846/GFAA Metals	☒ SW-846 Hg 7470/7471		
☐ SW-846 6020/ICP-MS Metals		☒ Other SW-846 Cyanide 9014		

Note: Affirmations apply to both mercury and cyanide analysis for samples 12L0409-01 and -14.

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A
Is a case narrative present? ☒ YES ☐ NO ☐ N/A
Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A
Comments:

Sample #s qualified estimated: None
Sample #s qualified rejected: None

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Are ICP interference checks acceptable? ☐ YES ☐ NO ☒ N/A
Were initial calibrations performed on all instruments? ☒ YES ☐ NO ☐ N/A
Are initial calibrations acceptable? ☒ YES ☐ NO ☐ N/A
Were ICV and CCV checks performed on all instruments? ☒ YES ☐ NO ☐ N/A
Are ICV and CCV checks acceptable? ☒ YES ☐ NO ☐ N/A
Comments:

Sample #s qualified estimated: None
Sample #s qualified rejected: None

DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were ICB and CCB checks performed for all applicable analyses?	☒ YES	☐ NO	☐ N/A
Are ICB and CCB results acceptable?	☒ YES	☐ NO	☐ N/A
Were preparation blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are preparation blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified not-detected or estimated: None

Sample #s qualified rejected: None

5. ACCURACY (Level B and DUSR)

Were matrix spike samples analyzed?	☒ YES	☐ NO	☐ N/A
Are matrix spike sample recoveries acceptable?	☒ YES	☐ NO	☐ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Are LCS results acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *An aqueous batch MS for Hg was run; the parent sample was B-23 from this SDG. A soil batch MS for CN was run; the parent sample was B-23 from this SDG. LCS/LCSD were run for Hg and CN; recoveries were acceptable.*

Sample #s qualified estimated: None

Sample #s qualified rejected: None

6. PRECISION (Level B and DUSR)

Were laboratory duplicates analyzed?	☒ YES	☐ NO	☐ N/A
Are laboratory duplicate samples RPD values acceptable?	☒ YES	☐ NO	☐ N/A
Were field duplicates analyzed?	☐ YES	☒ NO	☐ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *Batch duplicates for Hg and CN were run; parent samples B-40 (10-12) and B-23 were from this SDG. Duplicate LCS samples were run for Hg and CN, with acceptable RPD values.*

Sample #s qualified estimated: None

Sample #s qualified rejected: None

DATA VALIDATION CHECKLIST
(Continued)

7. REPORTED RESULTS (All Levels)

Are results reported for all requested analyses? ☒ YES ☐ NO ☐ N/A

Are all results supported in the raw data? (DUSR) ☒ YES ☐ NO ☐ N/A

Comments:

COMMENTS (attach additional sheets as necessary):

Reviewed by: _____ 06/30/2013

Signature Date

Chris Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0409	VALIDATOR: C. Taylor	DATE: 06/30/2013	Page 1 of 1
PREP. HOLDING TIME LIMIT: N/A		ANALYSIS HOLDING TIME LIMIT: Mercury: 26 days from VTSR Cyanide: 12 days from VTSR	

Field Sample ID	Analysis Type	Date Received	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B40 (10-12ft)	Mercury	12/13/12	N/A	12/14/12	N/A	1	
B23	Mercury	12/13/12	N/A	12/14/12	N/A	1	
B40 (10-12ft)	Cyanide	12/13/12	N/A	12/20/12	N/A	7	
B23	Cyanide	12/13/12	N/A	12/19/12	N/A	6	

METALS DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**

DATA PACKAGE: 12L0362	**MATRIX:** Soil
PROJECT: Former Doro Cleaners ; Site No. 915238	
LABORATORY: Con-Test	
VALIDATOR: Chris Taylor	**DATE:** 06/11/2013

ANALYSES PERFORMED

☒ SW-846 6010/ICP Metals	☐ SW-846/GFAA Metals	☐ SW-846 Hg 7470/7471		
☐ SW-846 6020/ICP-MS Metals		☐ Other		

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments: _____

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments: _____

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Are ICP interference checks acceptable? ☒ YES ☐ NO ☐ N/A

Were initial calibrations performed on all instruments? ☒ YES ☐ NO ☐ N/A

Are initial calibrations acceptable? ☒ YES ☐ NO ☐ N/A

Were ICV and CCV checks performed on all instruments? ☒ YES ☐ NO ☐ N/A

Are ICV and CCV checks acceptable? ☒ YES ☐ NO ☐ N/A

Comments: _____

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

METALS DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were ICB and CCB checks performed for all applicable analyses?	☒ YES	☐ NO	☐ N/A
Are ICB and CCB results acceptable?	☒ YES	☐ NO	☐ N/A
Were preparation blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are preparation blank results acceptable? *See comments below.*	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *Prep Blank (B064561-BLK1) presented Al and Fe above RL values (at 4.7 and 5.9 mg/Kg, respectively); since associated sample results for Al and Fe were >>10x blank levels, no qualifiers were necessary.*

Sample #s qualified not-detected or estimated:	none
Sample #s qualified rejected:	none

5. ACCURACY (Level B and DUSR)

Were matrix spike samples analyzed?	☒ YES	☐ NO	☐ N/A
Are matrix spike sample recoveries acceptable?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Are LCS results acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *A batch MS/MSD was run; the parent sample was not from this SDG.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

6. PRECISION (Level B and DUSR)

Were laboratory duplicates analyzed?	☒ YES	☐ NO	☐ N/A
Are laboratory duplicate samples RPD values acceptable?	☒ YES	☐ NO	☐ N/A
Were field duplicates analyzed?	☐ YES	☒ NO	☐ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A
Were ICP serial dilution samples analyzed?	☐ YES	☒ NO	☐ N/A
Are ICP serial dilution %D values acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *A batch duplicate was run; the parent sample was not from this SDG. Duplicate LCS samples were run, with acceptable RPD values. A serial dilution sample was not reported.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

METALS DATA VALIDATION CHECKLIST
(Continued)

7. REPORTED RESULTS (All Levels)

Are results reported for all requested analyses? ☒ YES ☐ NO ☐ N/A

Are all results supported in the raw data? (DUSR) ☒ YES ☐ NO ☐ N/A

Comments: _____

COMMENTS (attach additional sheets as necessary):

Reviewed by: _____ 06/11/2013

Signature Date

Chris Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0362	VALIDATOR: C. Taylor	DATE: 06/11/2013	Page _1_ of _1_
PREP. HOLDING TIME LIMIT: N/A		ANALYSIS HOLDING TIME LIMIT: 360 days from VTSR	

Field Sample ID	Analysis Type	Date Received	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B15 (4-8ft)	ICP Metals	12/12/12	N/A	12/14/12	N/A	2	
B29 (10-12ft)	ICP Metals	12/12/12	N/A	12/14/12	N/A	2	

METALS DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**

DATA PACKAGE: 12L0409	**MATRIX:** Soil
PROJECT: Former Doro Cleaners ; Site No. 915238	
LABORATORY: Con-Test	
VALIDATOR: Chris Taylor	**DATE:** 06/30/2013

ANALYSES PERFORMED

☒ SW-846 6010/ICP Metals	☐ SW-846/GFAA Metals	☐ SW-846 Hg 7470/7471		
☒ SW-846 6020/ICP-MS Metals		☐ Other		

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments: _____

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments: _____

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Are ICP interference checks acceptable? ☒ YES ☐ NO ☐ N/A

Were initial calibrations performed on all instruments? ☒ YES ☐ NO ☐ N/A

Are initial calibrations acceptable? ☒ YES ☐ NO ☐ N/A

Were ICV and CCV checks performed on all instruments? ☒ YES ☐ NO ☐ N/A

Are ICV and CCV checks acceptable? ☒ YES ☐ NO ☐ N/A

Comments: _____

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

METALS DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were ICB and CCB checks performed for all applicable analyses?	☒ YES	☐ NO	☐ N/A
Are ICB and CCB results acceptable?	☒ YES	☐ NO	☐ N/A
Were preparation blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are preparation blank results acceptable? *See comments below.*	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *Prep Blank (B064561-BLK1) presented Al and Fe above RL values (at 4.7 and 5.9 mg/Kg, respectively); since associated sample results for Al and Fe were >>10x blank levels, no qualifiers were necessary.*

Sample #s qualified not-detected or estimated:	none
Sample #s qualified rejected:	none

5. ACCURACY (Level B and DUSR)

Were matrix spike samples analyzed?	☒ YES	☐ NO	☐ N/A
Are matrix spike sample recoveries acceptable?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Are LCS results acceptable?	☐ YES	☒ NO	☐ N/A

Comments: *A batch MS/MSD was run; the parent sample was not from this SDG.*
The recoveries for sodium(Na) in aqueous batch LCS/LCSD B064640BS1 and BS2 were 0%.

Sample #s qualified estimated:	B-23: Na qualified estimated (J) with indication of low bias due to low LCS/LCSD recoveries.
Sample #s qualified rejected:	none

6. PRECISION (Level B and DUSR)

Were laboratory duplicates analyzed?	☒ YES	☐ NO	☐ N/A
Are laboratory duplicate samples RPD values acceptable?	☒ YES	☐ NO	☐ N/A
Were field duplicates analyzed?	☐ YES	☒ NO	☐ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A
Were ICP serial dilution samples analyzed?	☐ YES	☒ NO	☐ N/A
Are ICP serial dilution %D values acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *A batch duplicate was run; the parent sample was not from this SDG. Duplicate LCS samples were run, with acceptable RPD values. Serial dilution samples were not reported.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

METALS DATA VALIDATION CHECKLIST
(Continued)

7. REPORTED RESULTS (All Levels)

Are results reported for all requested analyses? ☒ YES ☐ NO ☐ N/A

Are all results supported in the raw data? (DUSR) ☒ YES ☐ NO ☐ N/A

Comments: *Aqueous sample B-23 was analyzed for Al, Ca, Fe, Mg, K and Na by SW-846 Method 6010C (ICP-AES), and for the trace metals by Method 6020A (ICP-MS). The 6020 analytes were analyzed at a 5x dilution.*

COMMENTS (attach additional sheets as necessary):

Reviewed by: _____ 06/30/2013
Signature Date

Chris Taylor
(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0409	VALIDATOR: C. Taylor	DATE: 06/30/2013	Page 1 of 1
PREP. HOLDING TIME LIMIT: N/A		ANALYSIS HOLDING TIME LIMIT: 180 days from VTSR	

Field Sample ID	Analysis Type	Date Received	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B40 (10-12ft)	ICP Metals	12/13/12	N/A	12/14,17/12	N/A	1, 4	
B23	ICP Metals	12/13/12	N/A	12/17,18/12	N/A	4, 5	

ORGANIC DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**

DATA PACKAGE: 12L0362 **DATE:** 06/11/2013

PROJECT: Former Doro Cleaners ; Site No. 915238

LABORATORY: Con-Test

VALIDATOR: Chris Taylor

ANALYSES PERFORMED

☐ SW-846 8260C Volatiles	☐ SW-846 8270C Semivolatiles	☒ SW-846 8082 PCBs as Aroclors	☐ Other SW-846 8081 Pesticides	

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Are initial calibrations (IC) acceptable ? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Are continuing calibrations (CCV) acceptable ? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were method blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are method blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified not-detected or estimated:	none
Sample #s qualified rejected:	none

5. ACCURACY (DUSR)

Were surrogate compounds analyzed?	☒ YES	☐ NO	☐ N/A
Are surrogate compound recoveries acceptable ?	☒ YES	☐ NO	☐ N/A
Were MS/MSD samples analyzed?	☒ YES	☐ NO	☐ N/A
Are MS/MSD results acceptable?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Were LCS results acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *A batch MS/MSD was run; the parent sample was not from this SDG.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

6. PRECISION (DUSR)

Are MS/MSD RPD values acceptable?	☐ YES	☐ NO	☒ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified estimated:	None
Sample #s qualified rejected:	none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

7. SYSTEM PERFORMANCE (DUSR)

Were internal standards analyzed?	☐ YES	☒ NO	☐ N/A
Are internal standard areas acceptable?	☐ YES	☐ NO	☒ N/A
Are internal standard retention times acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *GC/ECD calibration for 8082 analysis was performed using external standards.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

8. COMPOUND IDENTIFICATION AND QUANTITATION (DUSR)

Is compound identification acceptable?	☒ YES	☐ NO	☐ N/A
Is compound quantitation acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *No positive Arochlors were reported in field samples.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

9. REPORTED RESULTS **(All Levels)**

Are results reported for all requested analyses?	☒ YES	☐ NO	☐ N/A
Are all results supported in the raw data? (DUSR)	☒ YES	☐ NO	☐ N/A

Comments:

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

COMMENTS:

Prepared by: _____ 06/11/2013

Signature Date

Chris W. Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0362	VALIDATOR: C. Taylor	DATE: 06/11/2013	Page _1_ of _1_
PREP. HOLDING TIME LIMIT: 12 days from VTSR to extraction		**ANALYSIS HOLDING TIME LIMIT: 40 days from extraction to analysis**	

Field Sample ID	Analysis Type	Date Received	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B15 (4-8ft)	PCBs	12/12/12	12/12/12	12/12/12	<1	<1	
B29 (10-12ft)	PCBs	12/12/12	12/12/12	12/12/12	<1	<1	

ORGANIC DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**

DATA PACKAGE: 12L0409 **DATE:** 06/29/2013

PROJECT: Former Doro Cleaners ; Site No. 915238

LABORATORY: Con-Test

VALIDATOR: Chris Taylor

ANALYSES PERFORMED

☐ SW-846 8260C Volatiles	☐ SW-846 8270C Semivolatiles	☒ SW-846 8082 PCBs as Aroclors	☐ Other SW-846 8081 Pesticides	

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Comments: *Aqueous sample B-23 was extracted one day beyond the 5-day holding time from VTSR.*

Sample #s qualified estimated:	B23: all analytes qualified estimated (UJ or J). Indication of potential low bias.
Sample #s qualified rejected:	none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Are initial calibrations (IC) acceptable ? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Are continuing calibrations (CCV) acceptable ? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were method blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are method blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified not-detected or estimated:	none
Sample #s qualified rejected:	none

5. ACCURACY (DUSR)

Were surrogate compounds analyzed?	☒ YES	☐ NO	☐ N/A
Are surrogate compound recoveries acceptable ?	☒ YES	☐ NO	☐ N/A
Were MS/MSD samples analyzed?	☒ YES	☐ NO	☐ N/A
Are MS/MSD results acceptable?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Were LCS results acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *A batch MS/MSD was run; the parent sample was not from this SDG.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

6. PRECISION (DUSR)

Are MS/MSD RPD values acceptable?	☐ YES	☐ NO	☒ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified estimated:	None
Sample #s qualified rejected:	none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

7. SYSTEM PERFORMANCE (DUSR)

Were internal standards analyzed?	☐ YES	☒ NO	☐ N/A
Are internal standard areas acceptable?	☐ YES	☐ NO	☒ N/A
Are internal standard retention times acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *GC/ECD calibration for 8082 analysis was performed using external standards.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

8. COMPOUND IDENTIFICATION AND QUANTITATION (DUSR)

Is compound identification acceptable?	☒ YES	☐ NO	☐ N/A
Is compound quantitation acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *No positive Arochlors were reported in field samples.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

9. REPORTED RESULTS **(All Levels)**

Are results reported for all requested analyses?	☒ YES	☐ NO	☐ N/A
Are all results supported in the raw data? (DUSR)	☒ YES	☐ NO	☐ N/A

Comments: *The soil sample (B-40 (10-12') was analyzed at a 5x dilution; RL values were adjusted accordingly.*

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

COMMENTS:

Prepared by: _____ 06/29/2013

Signature Date

Chris W. Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0409	VALIDATOR: C. Taylor	DATE: 06/29/2013	Page _1_ of _1_
PREP. HOLDING TIME LIMIT: **Aqueous: max. 5 days from VTSR to extraction.** **Non-aqueous: max. 12 days from VTSR to extraction**		**ANALYSIS HOLDING TIME LIMIT: 40 days from extraction to analysis**	

Field Sample ID	Analysis Type	Date Received	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B40 (10-12ft)	PCBs	12/13/12	12/13/12	12/14/12	<1	1	
B23	PCBs	12/13/12	12/19/12	12/20/12	6	1	UJ or J

ORGANIC DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**
DATA PACKAGE: 12L0362		**DATE:** 06/11/2013	
PROJECT: Former Doro Cleaners ; Site No. 915238			
LABORATORY: Con-Test			
VALIDATOR: Chris Taylor			

ANALYSES PERFORMED

☐ SW-846 8260C Volatiles	☐ SW-846 8270C Semivolatiles	☐ SW-846 8082 PCBs	☒ Other SW-846 8081 Pesticides	

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS **(DUSR)**

Are the GC/ECD instrument performance checks acceptable? ☒ YES ☐ NO ☐ N/A

Are initial calibrations (IC) acceptable ? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Are continuing calibrations (CCV) acceptable ? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Comments: *CCV7, CCVA : alpha-BHC exceeded the %D limit (at +26.5, +16.8%). Since the exceedances indicate greater sensitivity, and no positives for this compound were found, no action was necessary.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were method blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are method blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified not-detected or estimated:	none
Sample #s qualified rejected:	none

5. ACCURACY (DUSR)

Were surrogates/system monitoring compounds analyzed?	☒ YES	☐ NO	☐ N/A
Are surrogate/system monitoring compound recoveries acceptable ?	☒ YES	☐ NO	☐ N/A
Were MS/MSD samples analyzed?	☒ YES	☐ NO	☐ N/A
Are MS/MSD results acceptable?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Were LCS results acceptable?	☒ YES	☐ NO	☐ N/A

Comments:	*A batch MS/MSD was run; the parent sample was not from this SDG.*
Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

6. PRECISION (DUSR)

Are MS/MSD RPD values acceptable?	☐ YES	☐ NO	☒ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified estimated:	None
Sample #s qualified rejected:	none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

7. SYSTEM PERFORMANCE (DUSR)

Were internal standards analyzed?	☐ YES	☒ NO	☐ N/A
Are internal standard areas acceptable?	☐ YES	☐ NO	☒ N/A
Are internal standard retention times acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *GC/ECD calibration for 8081B analysis was performed using external standards.*

Sample #s qualified estimated:	n/a
Sample #s qualified rejected:	n/a

8. COMPOUND IDENTIFICATION AND QUANTITATION (DUSR)

Is compound identification acceptable?	☒ YES	☐ NO	☐ N/A
Is compound quantitation acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *4,4'-DDD and 4,4'-DDT were reported positive in sample 12L0362-12. Review of chromatograms indicated peaks within retention time ranges on both columns and good quantitative agreement between columns.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

9. REPORTED RESULTS **(All Levels)**

Are results reported for all requested analyses?	☒ YES	☐ NO	☐ N/A
Are all results supported in the raw data? (DUSR)	☒ YES	☐ NO	☐ N/A

Comments:

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

COMMENTS:

Prepared by:  06/11/2013

Signature Date

Chris W. Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0362	VALIDATOR: C. Taylor	DATE: 06/11/2013	Page _1_ of _1_
PREP. HOLDING TIME LIMIT: 12 days from VTSR to extraction		**ANALYSIS HOLDING TIME LIMIT: 40 days from extraction to analysis**	

Field Sample ID	Analysis Type	Date Received	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B15 (4-8ft)	Pesticides	12/12/12	12/12/12	12/14/12	<1	2	
B29 (10-12ft)	Pesticides	12/12/12	12/12/12	12/14/12	<1	2	

ORGANIC DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**

DATA PACKAGE: 12L0409 **DATE:** 06/29/2013

PROJECT: Former Doro Cleaners ; Site No. 915238

LABORATORY: Con-Test

VALIDATOR: Chris Taylor

ANALYSES PERFORMED

☐ SW-846 8260C Volatiles	☐ SW-846 8270C Semivolatiles	☐ SW-846 8082 PCBs	☒ Other SW-846 8081 Pesticides	

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Comments: *Aqueous sample B-23 was extracted one day beyond the 5-day holding time from VTSR.*

Sample #s qualified estimated:	B23: all analytes qualified estimated (UJ or J). Indication of potential low bias.
Sample #s qualified rejected:	none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Are the GC/ECD instrument performance checks acceptable? ☒ YES ☐ NO ☐ N/A

Are initial calibrations (IC) acceptable ? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Are continuing calibrations (CCV) acceptable ? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Comments: *Soil CCV4 & 7; H2O CCV 5 & 6 : Methoxchlor exceeded the %D limit (at -17%, -18%, -21% and -18%, respectively). Methoxychlor results were qualified.*
H2O CCV6: alpha-BHC exceeded the %D limit (at +20%). Since the exceedances indicate greater sensitivity, and no positives for this compound were found, no action was necessary.

Sample #s qualified estimated:	B-40 (10-12), B-23: Methoxychlor qualified as estimated (UJ) with indication of potential low bias on reported RL.
Sample #s qualified rejected:	none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were method blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are method blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified not-detected or estimated:	none
Sample #s qualified rejected:	none

5. ACCURACY (DUSR)

Were surrogates/system monitoring compounds analyzed?	☒ YES	☐ NO	☐ N/A
Are surrogate/system monitoring compound recoveries acceptable ?	☒ YES	☐ NO	☐ N/A
Were MS/MSD samples analyzed?	☒ YES	☐ NO	☐ N/A
Are MS/MSD results acceptable?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Were LCS results acceptable?	☒ YES	☐ NO	☐ N/A

Comments:	*A batch MS/MSD was run; the parent sample was not from this SDG.*
Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

6. PRECISION (DUSR)

Are MS/MSD RPD values acceptable?	☐ YES	☐ NO	☒ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified estimated: None
Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

7. SYSTEM PERFORMANCE (DUSR)

Were internal standards analyzed?	☐ YES	☒ NO	☐ N/A
Are internal standard areas acceptable?	☐ YES	☐ NO	☒ N/A
Are internal standard retention times acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *GC/ECD calibration for 8081B analysis was performed using external standards.*

Sample #s qualified estimated:	n/a
Sample #s qualified rejected:	n/a

8. COMPOUND IDENTIFICATION AND QUANTITATION (DUSR)

Is compound identification acceptable?	☒ YES	☐ NO	☐ N/A
Is compound quantitation acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *4,4'-DDT was reported positive in sample 12L0409-01. Review of chromatograms indicated peaks within retention time ranges on both columns and good quantitative agreement between columns.*

Sample #s qualified estimated:	none
Sample #s qualified rejected:	none

9. REPORTED RESULTS **(All Levels)**

Are results reported for all requested analyses?	☒ YES	☐ NO	☐ N/A
Are all results supported in the raw data? (DUSR)	☒ YES	☐ NO	☐ N/A

Comments:

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

COMMENTS:

Prepared by: _____ 06/29/2013

Signature Date

Chris W. Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0409	VALIDATOR: C. Taylor	DATE: 06/29/2013	Page _1_ of _1_
PREP. HOLDING TIME LIMIT: **Aqueous: max. 5 days from VTSR to extraction.** **Non-aqueous: max. 12 days from VTSR to extraction**		**ANALYSIS HOLDING TIME LIMIT: 40 days from extraction to analysis**	

Field Sample ID	Analysis Type	Date Received	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B40 (10-12ft)	Pesticides	12/13/12	12/13/12	12/17/12	<1	4	
B23	Pesticides	12/13/12	12/19/12	12/20/12	6	1	UJ or J

ORGANIC DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**
DATA PACKAGE: 12L0362		**DATE:** 06/10/2013	
PROJECT: Former Doro Cleaners ; Site No. 915238			
LABORATORY: Con-Test			
VALIDATOR: Chris Taylor			

ANALYSES PERFORMED

☐ SW-846 8260C Volatiles	☒ SW-846 8270D Semivolatiles	☐ SW-846 8082 PCBs	☐ Other	

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Is the GC/MS DFTPP tuning/performance check acceptable? ☒ YES ☐ NO ☐ N/A

Are initial calibrations (IC) acceptable? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Are continuing calibrations (CCV) acceptable? *Note any outliers below.* ☒ YES ☐ NO ☐ N/A

Comments: *The laboratory flagged target compound pentachloronitrobenzene as presenting a low RRF value of 0.034. However, this compound does not have a listed minimum RRF, and similar compounds typically are allowed a minimum RRF of 0.010, and the RRFs were consistent (RSD=5.6%) from low to high concentration. Therefore, no validation qualifiers were assigned for this compound by the reviewer.*

Sample #s qualified estimated: none

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were method blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are method blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified not-detected or estimated: none

Sample #s qualified rejected: none

5. ACCURACY (DUSR)

Were surrogates/system monitoring compounds analyzed?	☒ YES	☐ NO	☐ N/A
Are surrogate/system monitoring compound recoveries acceptable?	☒ YES	☐ NO	☐ N/A
Were MS/MSD samples analyzed?	☐ YES	☒ NO	☐ N/A
Are MS/MSD results acceptable?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Were LCS results acceptable?	☐ YES	☒ NO	☐ N/A

Comments: *The following compounds presented recoveries below limits in both LCS and LCSD which resulted in qualification in the noted associated samples: benzoic acid, benzidine. Note: although the LCSD recovery for benzidine was 46.5%, the average of the LCS (31%) and LCSD recoveries was below the lower recovery limit of 40% (at 39%), and the RPD value exceeded the limit of 30% (at 40%).*

Sample #s qualified estimated: *12L0362-03 and 12: benzoic acid and benzidine. Qualified as estimated (UJ); low bias indicated.*

Sample #s qualified rejected: none

6. PRECISION (DUSR)

Are MS/MSD RPD values acceptable?	☐ YES	☐ NO	☒ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *No MS/MSD or field duplicate samples for SVOC were identified.*

Sample #s qualified estimated: None

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

7. SYSTEM PERFORMANCE (DUSR)

Were internal standards analyzed?	☒ YES	☐ NO	☐ N/A
Are internal standard areas acceptable?	☒ YES	☐ NO	☐ N/A
Are internal standard retention times acceptable?	☒ YES	☐ NO	☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

8. COMPOUND IDENTIFICATION AND QUANTITATION (DUSR)

Is compound identification acceptable?	☒ YES	☐ NO	☐ N/A
Is compound quantitation acceptable?	☒ YES	☐ NO	☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

9. REPORTED RESULTS **(All Levels)**

Are results reported for all requested analyses?	☒ YES	☐ NO	☐ N/A
Are all results supported in the raw data? (DUSR)	☒ YES	☐ NO	☐ N/A

Comments:

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

COMMENTS:

Prepared by: 

Signature

06/10/2013
Date

Chris W. Taylor
(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0362	VALIDATOR: C. Taylor	DATE: 06/10/2013	Page _1_ of _1_
PREP. HOLDING TIME LIMIT: 12 days from VTSR to extraction		**ANALYSIS HOLDING TIME LIMIT: 40 days from extraction to analysis**	

Field Sample ID	Analysis Type	Date Received	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B15 (4-8ft)	SVOC	12/12/12	12/12/12	12/14/12	<1	2	
B29 (10-12ft)	SVOC	12/12/12	12/12/12	12/14/12	<1	2	

ORGANIC DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**

DATA PACKAGE: 12L0409 **DATE:** 06/28/2013

PROJECT: Former Doro Cleaners ; Site No. 915238

LABORATORY: Con-Test

VALIDATOR: Chris Taylor

ANALYSES PERFORMED

☐ SW-846 8260C Volatiles	☒ SW-846 8270D Semivolatiles	☐ SW-846 8082 PCBs	☐ Other	

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Is the GC/MS DFTPP tuning/performance check acceptable? ☒ YES ☐ NO ☐ N/A

Are initial calibrations (IC) acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Are continuing calibrations (CCV) acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Comments:

IC (soil): The laboratory flagged target compound pentachloronitrobenzene as presenting a low RRF value of 0.034. However, this compound does not have a listed minimum RRF, and similar compounds typically are allowed a minimum RRF of 0.010, and the RRFs were consistent (RSD=5.6%) from low to high concentration. Therefore, no validation qualifiers were assigned for this compound by the reviewer.

IC (H_2O): The %RSD for 2,4-dinitrophenol exceeded the limit and the compound was calibrated via linear regression; however the R-value was below the limit of 0.99.

CCV (H_2O): Target compounds 4-nitrophenol, benzo(ghi)perylene and benzidine presented %D values above the method limit, with reduced sensitivity.

Sample #s qualified estimated: *12L0409-14: 2,4-dinitrophenol, 4-nitrophenol, benzo(ghi)perylene and benzidine. Qualified as estimated (UJ); low bias indicated.*

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were method blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are method blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified not-detected or estimated: none

Sample #s qualified rejected: none

5. ACCURACY (DUSR)

Were surrogates/system monitoring compounds analyzed?	☒ YES	☐ NO	☐ N/A
Are surrogate/system monitoring compound recoveries acceptable?	☒ YES	☐ NO	☐ N/A
Were MS/MSD samples analyzed?	☐ YES	☒ NO	☐ N/A
Are MS/MSD results acceptable?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Were LCS results acceptable?	☐ YES	☒ NO	☐ N/A

Comments: *The following compounds presented recoveries below limits in both LCS and LCSD which resulted in qualification in the noted associated samples: benzoic acid, N-nitroso-dimethylamine, benzidine.*

Sample #s qualified estimated: *12L0409-01: benzoic acid.*
12L0409-14: N-nitroso-dimethylamine, benzidine.
Qualified as estimated (UJ); low bias indicated.

Sample #s qualified rejected: none

6. PRECISION (DUSR)

Are MS/MSD RPD values acceptable?	☐ YES	☐ NO	☒ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *No MS/MSD or field duplicate samples for SVOC were identified.*

Sample #s qualified estimated: None

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

7. SYSTEM PERFORMANCE (DUSR)

Were internal standards analyzed?	☒ YES	☐ NO	☐ N/A
Are internal standard areas acceptable?	☒ YES	☐ NO	☐ N/A
Are internal standard retention times acceptable?	☒ YES	☐ NO	☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

8. COMPOUND IDENTIFICATION AND QUANTITATION (DUSR)

Is compound identification acceptable?	☒ YES	☐ NO	☐ N/A
Is compound quantitation acceptable?	☒ YES	☐ NO	☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

9. REPORTED RESULTS **(All Levels)**

Are results reported for all requested analyses?	☒ YES	☐ NO	☐ N/A
Are all results supported in the raw data? (DUSR)	☒ YES	☐ NO	☐ N/A

Comments:

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

COMMENTS:

Prepared by: _____ 06/28/2013

Signature Date

Chris W. Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0409	VALIDATOR: C. Taylor	DATE: 06/28/2013	Page _1_ of _1_
PREP. HOLDING TIME LIMIT: **Aqueous: max. 5 days from VTSR to extraction.** **Non-aqueous: max. 12 days from VTSR to extraction**		**ANALYSIS HOLDING TIME LIMIT: (All) 40 days from extraction to analysis**	

Field Sample ID	Analysis Type	Date Received	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B40 (10-12ft)	SVOC	12/13/12	12/13/12	12/18/12	<1	5	
B23	SVOC	12/13/12	12/14/12	12/18/12	1	4	

ORGANIC DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**
DATA PACKAGE: 12L0266		**DATE:** 06/11/2013	
PROJECT: Former Doro Cleaners ; Site No. 915238			
LABORATORY: Con-Test			
VALIDATOR: Chris Taylor			

ANALYSES PERFORMED

☒ SW-846 8260C Volatiles	☐ SW-846 8270C Semivolatiles	☐ SW-846 8082 PCBs	☐ Other	

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS **(DUSR)**

Is the GC/MS BFB tuning/performance check acceptable? ☒ YES ☐ NO ☐ N/A

Are initial calibrations (IC) acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Are continuing calibrations (CCV) acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Comments: *IC: Target compounds 1,2-dibromo-3-chloropropane (DBCP), 1,4-dioxane, acetone, 2-butanone (MEK), tert-butyl alcohol (TBA) and tetrahydrofuran (THF) presented relative response factor (RRF) values below the method limits.*

CCV: Target compounds acetone, DBCP, methylene chloride ($MeCl_2$), naphthalene and trans-1,4-dichlorobutene presented %D values above the method limit, with reduced sensitivity.

Sample #s qualified estimated: *Low RRF: 1,4-dioxane, TBA qualified as estimated non-detects (UJ) in all SDG soil samples. Acetone, DBCP, MEK and THF qualified as estimated non-detects (UJ) in all samples except -01 (Trip Blank). Indication of low bias.*

CCV %D: Acetone, methylene chloride, naphthalene and trans-1,4-dichlorobutene qualified as estimated non-detects (UJ) in all SDG soil samples. DBCP qualified as estimated non-detect (UJ) in Trip Blank sample. Indication of low bias.

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were method blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are method blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *Trip Blank was reported free of contamination.*

Sample #s qualified not-detected or estimated: none

Sample #s qualified rejected: none

5. ACCURACY (DUSR)

Were surrogates/system monitoring compounds analyzed?	☒ YES	☐ NO	☐ N/A
Are surrogate/system monitoring compound recoveries acceptable?	☒ YES	☐ NO	☐ N/A
Were MS/MSD samples analyzed?	☐ YES	☒ NO	☐ N/A
Are MS/MSD results acceptable ?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Were LCS results acceptable?	☒ YES	☐ NO	☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

6. PRECISION (DUSR)

Are MS/MSD RPD or difference values acceptable?	☐ YES	☐ NO	☒ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *No MS/MSD samples were identified for this SDG. LCS (Blank Spike) and LCS Duplicate samples were reported.*

No field duplicate samples for VOCs were identified.

Sample #s qualified estimated: None

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

7. SYSTEM PERFORMANCE (DUSR)

Were internal standards analyzed? ☒ YES ☐ NO ☐ N/A
Are internal standard areas acceptable? ☒ YES ☐ NO ☐ N/A
Are internal standard retention times acceptable? ☒ YES ☐ NO ☐ N/A
Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

8. COMPOUND IDENTIFICATION AND QUANTITATION (DUSR)

Is compound identification acceptable? ☒ YES ☐ NO ☐ N/A
Is compound quantitation acceptable? ☒ YES ☐ NO ☐ N/A
Comments: *Reported positives were verified at random from mass spectra.*

Sample #s qualified estimated: none

Sample #s qualified rejected: none

9. REPORTED RESULTS **(All Levels)**

Are results reported for all requested analyses? ☒ YES ☐ NO ☐ N/A
Are all results supported in the raw data? (DUSR) ☒ YES ☐ NO ☐ N/A

Comments:

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

COMMENTS:

Prepared by: _____ 06/11/2013

Signature Date

Chris W. Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0266	VALIDATOR: C. Taylor	DATE: 06/11/2013	Page 1 of 1
PREP. HOLDING TIME LIMIT: N/A		ANALYSIS HOLD TIME LIMIT: 12 days from VTSR	

Field Sample ID	Lab Sample ID	Date Received (VTSR)	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
TB-1	12L0266-01	12/08/12	N/A	12/10/12	N/A	2	
B-16 (12-14FT)	12L0266-02	12/08/12	N/A	12/10/12	N/A	2	
B-24 (0-4FT)	12L0266-03	12/08/12	N/A	12/10/12	N/A	2	
B-17 (8-10FT)	12L0266-04	12/08/12	N/A	12/10/12	N/A	2	
B-18 (6-8FT)	12L0266-05	12/08/12	N/A	12/10/12	N/A	2	
B-23 (0-2FT)	12L0266-06	12/08/12	N/A	12/10/12	N/A	2	
B-20 (12-14FT)	12L0266-07	12/08/12	N/A	12/10/12	N/A	2	
B-20 (0-2FT)	12L0266-08	12/08/12	N/A	12/10/12	N/A	2	

ORGANIC DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**

DATA PACKAGE: 12L0362 **DATE:** 06/10/2013

PROJECT: Former Doro Cleaners ; Site No. 915238

LABORATORY: Con-Test

VALIDATOR: Chris Taylor

ANALYSES PERFORMED

☒ SW-846 8260C Volatiles	☐ SW-846 8270C Semivolatiles	☐ SW-846 8082 PCBs	☐ Other	

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Is the GC/MS BFB tuning/performance check acceptable? ☒ YES ☐ NO ☐ N/A

Are initial calibrations (IC) acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Are continuing calibrations (CCV) acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Comments: *IC: Target compounds 1,2-dibromo-3-chloropropane (DBCP), 1,4-dioxane, acetone, 2-butanone (MEK), tert-butyl alcohol (TBA) and tetrahydrofuran (THF) presented relative response factor (RRF) values below the method limits.*

CCV: Target compounds acetone, chloromethane, naphthalene, 2,2-dichloropropane, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, trans-1,3-dichloropropene and trans-1,4-dichlorobutene presented %D values above the method limit, with reduced sensitivity.

Sample #s qualified estimated: *Low RRF) DBCP, acetone, MEK: 12L0362- (03-11 inclusive), 15.*
1,4-dioxane, TBA: 12L0362-(01-15 inclusive).
THF: 12L0362-(03-11 inclusive), (13-15 inclusive).
Above named targets qualified as estimated (UJ or J) in noted samples. Indication of potential low bias.

CCV %D) acetone, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene: 12L0362-12.
2,2-dichloropropane, trans-1,3-dichloropropene: 12L0362-01,02,12.
Chloromethane, trans-1,4-dichlorobutene: 12L0362-13,14.
Naphthalene: 12L0362-(03-12 inclusive), 15.
Above named targets qualified as estimated (UJ or J) in noted samples. Indication of low bias.

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were method blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are method blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *Trip Blank and Field Blank were reported free of contamination.*

Sample #s qualified not-detected or estimated: none

Sample #s qualified rejected: none

5. ACCURACY (DUSR)

Were surrogates/system monitoring compounds analyzed?	☒ YES	☐ NO	☐ N/A
Are surrogate/system monitoring compound recoveries acceptable?	☒ YES	☐ NO	☐ N/A
Were MS/MSD samples analyzed?	☒ YES	☐ NO	☐ N/A
Are MS/MSD results acceptable ?	☐ YES	☒ NO	☐ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Were LCS results acceptable?	☐ YES	☒ NO	☐ N/A

Comments: *The following compounds presented recoveries below limits in both MS and MSD which resulted in qualification in parent sample 12L0362-10: dichlorodifluoromethane (Freon-12), naphthalene, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene.*

The following compounds presented recoveries below limits in both LCS and LCSD which resulted in qualification in the noted associated samples: dichlorodifluoromethane (Freon-12), samples 12L0362-01 and 02; Chloromethane, samples 12L0362-13 and 14.

Sample #s qualified estimated: *12L0362-10: Freon-12, naphthalene, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene. Qualified as estimated (UJ); low bias indicated.*

12L0362-01 and 02: Freon-12. Qualified as estimated (UJ); low bias indicated.
12L0362-13 and 14: chloromethane. Qualified as estimated (UJ); low bias indicated.

Sample #s qualified rejected: none

6. PRECISION (DUSR)

Are MS/MSD RPD or difference values acceptable?	☐ YES	☒ NO	☐ N/A
Are field duplicate RPD values acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *The following compounds presented MS/MSD RPD values which exceeded 30%: 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene and 1,3,5-trichlorobenzene. Since no positives for these compounds were found in the parent sample, no data qualifiers were assigned.*

Sample DUP-1 is the field duplicate of B-29 (10-12'). Both samples were reported positive (at 200x dilution) for tetrachloroethene, with RPD calculated at 24%.

Sample #s qualified estimated: None

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

7. SYSTEM PERFORMANCE (DUSR)

Were internal standards analyzed?	☒ YES	☐ NO	☐ N/A
Are internal standard areas acceptable?	☒ YES	☐ NO	☐ N/A
Are internal standard retention times acceptable?	☒ YES	☐ NO	☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

8. COMPOUND IDENTIFICATION AND QUANTITATION (DUSR)

Is compound identification acceptable?	☒ YES	☐ NO	☐ N/A
Is compound quantitation acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *Reported positives were qualitatively verified from mass spectra.*

Sample #s qualified estimated: none

Sample #s qualified rejected: none

9. REPORTED RESULTS **(All Levels)**

Are results reported for all requested analyses?	☒ YES	☐ NO	☐ N/A
Are all results supported in the raw data? (DUSR)	☒ YES	☐ NO	☐ N/A

Comments:

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

COMMENTS:

Prepared by: _____ 06/10/2013
Signature Date
Chris W. Taylor
(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0362	VALIDATOR: C. Taylor	DATE: 06/11/2013	Page 1 of 1
PREP. HOLDING TIME LIMIT: N/A		ANALYSIS HOLD TIME LIMIT: 12 days from VTSR	

Field Sample ID	Lab Sample ID	Date Received (VTSR)	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
TB-2	12L0362-01	12/12/12	N/A	12/19/12	N/A	7	
FB-1	12L0362-02	12/12/12	N/A	12/19/12	N/A	7	
B-15 (4-8ft)	12L0362-03	12/12/12	N/A	12/13/12	N/A	1	
B-13 (8-12ft)	12L0362-04	12/12/12	N/A	12/13/12	N/A	1	
B-28 (4-6ft)	12L0362-05	12/12/12	N/A	12/13/12	N/A	1	
B-14 (8-12ft)	12L0362-06	12/12/12	N/A	12/13/12	N/A	1	
B-32 (8-10ft)	12L0362-07	12/12/12	N/A	12/13/12	N/A	1	
B-33 (2-4ft)	12L0362-08	12/12/12	N/A	12/13/12	N/A	1	
B-30 (6-8ft)	12L0362-09	12/12/12	N/A	12/13/12	N/A	1	
B-12 (8-12ft)	12L0362-10	12/12/12	N/A	12/13/12	N/A	1	
B-11 (6-8ft)	12L0362-11	12/12/12	N/A	12/13/12	N/A	1	
B-29 (10-12ft)	12L0362-12	12/12/12	N/A	12/20/12	N/A	8	
DUP-1	12L0362-13	12/12/12	N/A	12/13/12	N/A	1	
B-29 (4-6ft)	12L0362-14	12/12/12	N/A	12/13/12	N/A	1	
B-34 (4-6ft)	12L0362-15	12/12/12	N/A	12/13/12	N/A	1	

ORGANIC DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**
DATA PACKAGE: 12L0409		**DATE:** 06/25/2013	
PROJECT: Former Doro Cleaners ; Site No. 915238			
LABORATORY: Con-Test			
VALIDATOR: Chris Taylor			

ANALYSES PERFORMED

☒ SW-846 8260C Volatiles	☐ SW-846 8270C Semivolatiles	☐ SW-846 8082 PCBs	☐ Other	

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Is the GC/MS BFB tuning/performance check acceptable? ☒ YES ☐ NO ☐ N/A

Are initial calibrations (IC) acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Are continuing calibrations (CCV) acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Comments: *IC (soils): Target compounds 1,2-dibromo-3-chloropropane (DBCP), 1,4-dioxane, acetone, 2-butanone (MEK), tert-butyl alcohol (TBA) and tetrahydrofuran (THF) presented relative response factor (RRF) values below the method limits.*
IC (H_2O): Target compounds 1,4-dioxane, TBA and THF presented relative response factor (RRF) values below the method limits.
CCV (soils): Target compounds naphthalene, 2,2-dichloropropane, 1,2,3-trichlorobenzene and trans-1,3-dichloropropene presented %D values above the method limit, with reduced sensitivity.
CCV (H_2O): Target compounds naphthalene, chloromethane, bromoform, DBCP, 1,2,3-trichlorobenzene and trans-1,4-dichlorobutene presented %D values above the method limit, with reduced sensitivity.

Sample #s qualified estimated: *Low RRF soils: 1,4-dioxane, TBA. 12L0409- (01-08 inclusive). Acetone, DBCP, MEK, THF. 12L0409-(02-08 inclusive). Low RRF H_2O: 1,4-dioxane, THF. 12L0409- (09-19 inclusive). TBA. 12L0409-(11-19 inclusive). Above named targets qualified as estimated (UJ or J) in noted samples. Indication of potential low bias.*

CCV %D (soils): 2,2-dichloropropane, trans-1,3-dichloropropene [12L0409]-01; naphthalene, [12L0409] (-02-08 inclusive); 1,2,3-trichlorobenzene [12L0409]-(02-06 inclusive, and -08).

CCV %D (H_2O): naphthalene, chloromethane, bromoform, DBCP, 1,2,3-trichlorobenzene and trans-1,4-dichlorobutene [12L0409]-(11-19 inclusive).

Above named targets qualified as estimated (UJ or J) in noted samples. Indication of low bias.

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were method blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are method blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified not-detected or estimated: none

Sample #s qualified rejected: none

5. ACCURACY (DUSR)

Were surrogates/system monitoring compounds analyzed?	☒ YES	☐ NO	☐ N/A
Are surrogate/system monitoring compound recoveries acceptable?	☒ YES	☐ NO	☐ N/A
Were MS/MSD samples analyzed?	☒ YES	☐ NO	☐ N/A
Are MS/MSD results acceptable ?	☐ YES	☒ NO	☐ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Were LCS results acceptable?	☐ YES	☒ NO	☐ N/A

Comments: *The following compounds presented recoveries below limits in soil MS/MSD which resulted in qualification in parent sample 12L0409-08: dichlorodifluoromethane (Freon-12), naphthalene, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene. The following compounds presented recoveries below limits in aqueous MS/MSD which resulted in qualification in parent sample 12L0409-15: chloromethane and Freon-12.*

The following compounds presented recoveries below limits in soil LCS/LCSD which resulted in qualification in the noted associated samples: Freon-12, sample 12L0409-01.

Sample #s qualified estimated: *12L0409-08: Freon-12, naphthalene, 1,2,3-trichlorobenzene and 1,2,4-trichlorobenzene. 12L0409-15: chloromethane and Freon-12. Qualified as estimated (UJ); low bias indicated.*

12L0409-01: Freon-12. Qualified as estimated (UJ); low bias indicated.

Sample #s qualified rejected: none

6. PRECISION (DUSR)

Are MS/MSD RPD or difference values acceptable?	☐ YES	☒ NO	☐ N/A
Are field duplicate RPD values acceptable?	☐ YES	☒ NO	☐ N/A

Comments: *The following compounds presented MS/MSD RPD values which exceeded 30% in parent sample 12L0409-08: N-butylbenzene, hexachlorobutadiene, naphthalene,1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene and tetrachloroethene. Since tetrachloroethene was positive in the parent sample, tetrachloroethene was qualified in 12L0409-08 only. No data qualifiers were assigned to the other compounds as they were non-detects.*

Sample DUP-2 is the field duplicate of B-40 (10-12'). Both samples were reported positive (at 5000x and 500x dilution, respectively) for tetrachloroethene, with RPD calculated at 82%. Sample DUP-3 is the field duplicate of B-28. Both samples were reported positive for cis-1,2-

dichloroethene, trichloroethene and tetrachloroethene, while only DUP-3 was reported positive for vinyl chloride and benzene. RPD values for cis-1,2-dichloroethene, trichloroethene and tetrachloroethene were 144%, 126% and 107%, respectively. RPD results are high and indicate sample non-homogeneity. The results for these compounds in the parent and duplicate samples only were qualified as estimated (J or UJ) with indeterminate bias direction.

Sample #s qualified estimated:	*12L0409-08: tetrachloroethene. Qualified as estimated (J); indeterminate bias direction.* *12L0409-01, -05: tetrachloroethene. Qualified as estimated (J); indeterminate bias direction.* *12L0409-12, -17: cis-1,2-dichloroethene, trichloroethene, tetrachloroethene, vinyl chloride and benzene. Qualified as estimated (J or UJ); indeterminate bias direction.*
Sample #s qualified rejected:	none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

7. SYSTEM PERFORMANCE (DUSR)

Were internal standards analyzed?	☒ YES	☐ NO	☐ N/A
Are internal standard areas acceptable?	☒ YES	☐ NO	☐ N/A
Are internal standard retention times acceptable?	☒ YES	☐ NO	☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

8. COMPOUND IDENTIFICATION AND QUANTITATION (DUSR)

Is compound identification acceptable?	☒ YES	☐ NO	☐ N/A
Is compound quantitation acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *Reported positives were qualitatively verified from mass spectra.*

Sample #s qualified estimated: none

Sample #s qualified rejected: none

9. REPORTED RESULTS **(All Levels)**

Are results reported for all requested analyses?	☒ YES	☐ NO	☐ N/A
Are all results supported in the raw data? (DUSR)	☒ YES	☐ NO	☐ N/A

Comments:

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

COMMENTS:

Prepared by: _____ 06/27/2013

Signature Date

Chris W. Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0409	VALIDATOR: C. Taylor	DATE: 06/26/2013	Page 1 of 1
PREP. HOLDING TIME LIMIT: N/A		ANALYSIS HOLD TIME LIMIT: 12 days from VTSR	

Field Sample ID	Lab Sample ID	Date Received (VTSR)	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B-40 (10-12ft)	12L0409-01	12/13/12	N/A	12/19/12	N/A	6	
B-31 (6-8ft)	12L0409-02	12/13/12	N/A	12/14/12	N/A	1	
B-35 (6-8ft)	12L0409-03	12/13/12	N/A	12/14/12	N/A	1	
B-41 (10-12ft)	12L0409-04	12/13/12	N/A	12/14/12	N/A	1	
DUP-2	12L0409-05	12/13/12	N/A	12/14,17/12	N/A	1, 4	
B-37 (10-12ft)	12L0409-06	12/13/12	N/A	12/14,19/12	N/A	1, 6	
B-19 (6-8ft)	12L0409-07	12/13/12	N/A	12/17/12	N/A	4	
B-21 (0-2ft)	12L0409-08	12/13/12	N/A	12/14/12	N/A	1	
TB-3	12L0409-09	12/13/12	N/A	12/14/12	N/A	1	
FB-2	12L0409-10	12/13/12	N/A	12/14/12	N/A	1	
B-27	12L0409-11	12/13/12	N/A	12/20/12	N/A	7	
B-28	12L0409-12	12/13/12	N/A	12/20/12	N/A	7	
B-18	12L0409-13	12/13/12	N/A	12/20/12	N/A	7	
B-23	12L0409-14	12/13/12	N/A	12/20/12	N/A	7	
B-17	12L0409-15	12/13/12	N/A	12/20/12	N/A	7	
B-11	12L0409-16	12/13/12	N/A	12/20/12	N/A	7	
DUP-3	12L0409-17	12/13/12	N/A	12/20/12	N/A	7	
B-36	12L0409-18	12/13/12	N/A	12/20/12	N/A	7	
B-35	12L0409-19	12/13/12	N/A	12/20/12	N/A	7	

ORGANIC DATA VALIDATION CHECKLIST

VALIDATION LEVEL:	☐ **A**	☐ **B**	☒ **DUSR**
DATA PACKAGE: 12L0458		**DATE:** 07/02/2013	
PROJECT: Former Doro Cleaners ; Site No. 915238			
LABORATORY: Con-Test			
VALIDATOR: Chris Taylor			

ANALYSES PERFORMED

☒ SW-846 8260C Volatiles	☐ SW-846 8270C Semivolatiles	☐ SW-846 8082 PCBs	☐ Other	

1. DATA PACKAGE COMPLETENESS AND CASE NARRATIVE

Is technical verification documentation present? ☒ YES ☐ NO ☐ N/A

Is a case narrative present? ☒ YES ☐ NO ☐ N/A

Comments:

2. HOLDING TIMES (All Levels)

Are sample holding times acceptable? ☒ YES ☐ NO ☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

3. INSTRUMENT PERFORMANCE AND CALIBRATIONS (DUSR)

Is the GC/MS BFB tuning/performance check acceptable? ☒ YES ☐ NO ☐ N/A

Are initial calibrations (IC) acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Are continuing calibrations (CCV) acceptable? *Note any outliers below.* ☐ YES ☒ NO ☐ N/A

Comments:

IC (soils): Target compounds 1,2-dibromo-3-chloropropane (DBCP), 1,4-dioxane, acetone, 2-butanone (MEK), tert-butyl alcohol (TBA) and tetrahydrofuran (THF) presented relative response factor (RRF) values below the method limits.

IC (H_2O): Target compounds 1,4-dioxane, TBA and THF presented relative response factor (RRF) values below the method limits.

CCV (soils): Target compounds bromoform, chloromethane, naphthalene, trans-1,3-dichloropropene and trans-1,4-dichlorobutene presented %D values above the method limit, with reduced sensitivity.

CCV (H_2O): Target compounds bromoform, chloromethane, 2,2-dichloropropane, trans-1,3-dichloropropene and trans-1,4-dichlorobutene presented %D values above the method limit, with reduced sensitivity.

Sample #s qualified estimated:

Low RRF soils: 12L0458- (01, -02, -04); DBCP, 1,4-dioxane, acetone, MEK,TBA and THF. 12L0458-05; 1,4-dioxane, TBA,THF.

Low RRF H_2O: 12L0458- (06-09 inclusive). 1,4-dioxane, TBA,THF. 12L0458-(11 and -12). 1,4-dioxane, TBA.

Above named targets qualified as estimated (UJ or J) in noted samples. Indication of potential low bias.

CCV %D (soils): 12L0458- (01, -02 -04); naphthalene. 12L0409-05; bromoform, chloromethane,

trans-1,3-dichloropropene, trans-1,4-dichlorobutene.
CCV %D (H_2O): 12L0458- (06-09 inclusive); bromoform, chloromethane, trans-1,3-dichloropropene, trans-1,4-dichlorobutene. 12L0458-(11 and -12); 2,2-dichloropropane, trans-1,3-dichloropropene.
Above named targets qualified as estimated (UJ or J) in noted samples. Indication of low bias.

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

4. BLANKS (All Levels)

Were method blanks analyzed?	☒ YES	☐ NO	☐ N/A
Are method blank results acceptable?	☒ YES	☐ NO	☐ N/A
Were equipment blanks analyzed?	☐ YES	☒ NO	☐ N/A
Are equipment blank results acceptable?	☐ YES	☐ NO	☒ N/A

Comments:

Sample #s qualified not-detected or estimated: none

Sample #s qualified rejected: none

5. ACCURACY (DUSR)

Were surrogates/system monitoring compounds analyzed?	☒ YES	☐ NO	☐ N/A
Are surrogate/system monitoring compound recoveries acceptable?	☒ YES	☐ NO	☐ N/A
Were MS/MSD samples analyzed?	☐ YES	☒ NO	☐ N/A
Are MS/MSD results acceptable ?	☐ YES	☐ NO	☒ N/A
Were LCS samples analyzed?	☒ YES	☐ NO	☐ N/A
Were LCS results acceptable?	☐ YES	☒ NO	☐ N/A

Comments: *The following compounds presented recoveries below limits in soil LCS/LCSD which resulted in qualification in the noted associated samples: chloromethane and trans-1,4-dichlorobutene, sample 12L0458-05.*

The following compounds presented recoveries below limits in aqueous LCS/LCSD which resulted in qualification in the noted associated samples: Freon-12, samples 12L0458-10 and -11; chloromethane and trans-1,4-dichlorobutene, samples 12L0458-06, -07, -08 and -09.

Sample #s qualified estimated: *12L0458-(05-09 inclusive): chloromethane and trans-1,4-dichlorobutene.*
12L0458-10 and -11: Freon-12.
Qualified as estimated (UJ); low bias indicated.

Sample #s qualified rejected: none

6. PRECISION (DUSR)

Are MS/MSD RPD or difference values acceptable?	☐ YES	☐ NO	☒ N/A
Are field duplicate RPD values acceptable?	☐ YES	☐ NO	☒ N/A

Comments: *No MS/MSD samples or field duplicate samples were identified for this SDG.*

Sample #s qualified estimated: none

Sample #s qualified rejected: none

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

7. SYSTEM PERFORMANCE (DUSR)

Were internal standards analyzed?	☒ YES	☐ NO	☐ N/A
Are internal standard areas acceptable?	☒ YES	☐ NO	☐ N/A
Are internal standard retention times acceptable?	☒ YES	☐ NO	☐ N/A

Comments:

Sample #s qualified estimated: none

Sample #s qualified rejected: none

8. COMPOUND IDENTIFICATION AND QUANTITATION (DUSR)

Is compound identification acceptable?	☒ YES	☐ NO	☐ N/A
Is compound quantitation acceptable?	☒ YES	☐ NO	☐ N/A

Comments: *Reported positives were qualitatively verified from mass spectra.*

Sample #s qualified estimated: none

Sample #s qualified rejected: none

9. REPORTED RESULTS **(All Levels)**

Are results reported for all requested analyses?	☒ YES	☐ NO	☐ N/A
Are all results supported in the raw data? (DUSR)	☒ YES	☐ NO	☐ N/A

Comments: Sample 12L0458-05 (Cistern; soil) was analyzed at a 2x initial dilution; reported RL values are adjusted to reflect this dilution.

The following samples were re-analyzed (-RE) due to the noted analytes exceeding the calibrated range in the initial (undiluted) analyses: 12L0458-02 [B-27 (3-4ft)], 20x, cis-1,2-dichloroethene; 12L0458-06 (Cistern; GW), 200x, , cis-1,2-dichloroethene; 12L0458-09 (B-14), 20x, vinyl chloride.

ORGANIC DATA VALIDATION CHECKLIST
(Continued)

COMMENTS:

Prepared by: _____ 07/02/2013

Signature Date

Chris W. Taylor

(Reviewer's Name Typed/Printed)

HOLDING TIME SUMMARY

DATA PACKAGE: 12L0458	VALIDATOR: C. Taylor	DATE: 07/02/2013	Page 1 of 1
PREP. HOLDING TIME LIMIT: N/A		ANALYSIS HOLD TIME LIMIT: Max. 7 days unpreserved; 10 days preserved (from VTSR)	

Field Sample ID	Lab Sample ID	Date Received (VTSR)	Date Prepared	Date Analyzed	Prep. Holding Time, Days	Analysis Holding Time, Days	Qualifier
B-26 (6-8ft)	12L0458-01	12/14/12	N/A	12/17/12	N/A	3	
B-27 (3-4ft)	12L0458-02	12/14/12	N/A	12/17,21/12	N/A	3, 7	
B-22 (0-4ft)	12L0458-03	12/14/12	N/A	12/18/12	N/A	4	
B-25 (5-6ft)	12L0458-04	12/14/12	N/A	12/17/12	N/A	3	
Cistern (soil)	12L0458-05	12/14/12	N/A	12/21/12	N/A	7	
Cistern (GW)	12L0458-06	12/14/12	N/A	12/20,21/12	N/A	6, 7	
CB-2	12L0458-07	12/14/12	N/A	12/21/12	N/A	7	
CB-1	12L0458-08	12/14/12	N/A	12/21/12	N/A	7	
B-14	12L0458-09	12/14/12	N/A	12/21,23/12	N/A	7, 9	
FB-3	12L0458-10	12/14/12	N/A	12/19/12	N/A	5	
TB-4	12L0458-11	12/14/12	N/A	12/19/12	N/A	5	