

CASE NARRATIVE
Client: Sundance Consulting, Inc.
Project: Fort Wingate, New Mexico
Report Number: 280-76331-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Revision - 01/07/2015

The SVOC method reference was changed from 8270C to 8270D or 8270_DOD to be consistent throughout the report.

Sample Receipt

Thirteen samples were received on 11/4/2015 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 10 coolers at receipt time were 0.2°C, 0.3°C, 0.4°C, 0.4°C, 0.4°C, 0.5°C, 0.5°C, 0.9°C, 1.4°C and 3.5°C.

Samples TMW45102015 (280-76331-5) and DTW34102015 (280-76331-12) were received with containers requesting total metals analyses with insufficient preservation. It can be noted the pH was slightly lower than 7. The containers had nitric acid added to the sample volume by the laboratory to lower the pH to less than 2 prior to analysis.

Samples TMW45102015 (280-76331-5) and TMW34102015 (280-76331-11) were received with containers requesting dissolved metals analyses with insufficient preservation. It can be noted the pH was slightly lower than 7. The containers had nitric acid added to the sample volume by the laboratory to lower the pH to less than 2 prior to analysis.

The 6010C analyses were subcontracted to TestAmerica Sacramento as Denver's ICP instrument was down at the time of sample receipt.

Please note the Caprolactam data are reported under separate cover (280-36331-2), as the laboratory does not hold DOD ELAP certification for this compound.

In accordance with the client's instructions received on 10/29/2015, the requested 8011 EDB analyses will be reported under a separate cover (280-76331-3).

No other anomalies were encountered during sample receipt.

GC/MS Volatiles - 8260B

Samples TB-10-102015 (280-76331-1), TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) were analyzed for volatile organic compounds (GC/MS) in accordance with 8260B. The samples were analyzed on 11/11/2015 and 11/12/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semivolatiles - 8270D

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW14A102015 (280-76331-9) and SMW011102015 (280-76331-10) were analyzed for Semivolatile organic compounds in accordance with SW-846 8270D. The samples were prepared on 11/06/2015 and analyzed on 11/16/2015.

Please note the Caprolactam data are reported under separate cover (280-76331-2), as the laboratory does not hold DOD ELAP certification for this compound.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

The LCS associated with prep batch 280-303282 exhibited a percent recovery below the QC control limits for Benzidine. This compound has been identified as a poor performing analyte when analyzed using this method; therefore, corrective action was not performed. The associated data have been flagged "Q" in accordance with the DOD QSM.

The MS/MSD associated with prep batch 280-303282 was performed on sample TMW43102015 (280-76331-3). The MS/MSD exhibited

spike compound recoveries and/or RPD data outside the QC control limits for 3,3'-Dichlorobenzidine, Benzidine and Nitrobenzene. The acceptable LCS analysis data indicated the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample have been flagged "J" in accordance with the DOD QSM.

The Continuing Calibration Verification (CCV) associated with analytical batch 280-304324 recovered above the upper control limit for Benzidine (+24.2%D). This compound is not a calibration check compound (CCC); therefore, the laboratory defaults to in house or project specific criteria for evaluation. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated data have been flagged "Q" in accordance with the DOD QSM.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Gasoline Range Organics - 8015C

Samples TB-11-102015 (280-76331-2), TMW34102015 (280-76331-11) and DTW34102015 (280-76331-12) were analyzed for Gasoline Range Organics (GRO) in accordance with 8015C GRO. The samples were analyzed on 11/14/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

MS/MSD analyses for analytical batch 280-303999 were not requested.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Diesel Range Organics - 8015C

Samples MW22S102015 (280-76331-6), TMW34102015 (280-76331-11) and DTW34102015 (280-76331-12) were analyzed for Diesel Range Organics (DRO) in accordance with 8015C DRO. The samples were prepared on 11/05/2015 and analyzed on 11/13/2015 and 11/14/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

MS/MSD analyses for prep batch 280-302639 were not requested.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organochlorine Pesticides - 8081A

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5) and TMW40D102015 (280-76331-7) were analyzed for Organochlorine Pesticides (GC) in accordance with 8081A. The samples were prepared on 11/09/2015 and analyzed on 11/18/2015.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Explosives - 8330B

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10) and TMW02102015 (280-76331-13) were analyzed for Explosives with incremental sample preparation in accordance with 8330B. The samples were prepared on 11/09/2015 and analyzed on 11/14/2015 and 11/15/2015.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

Surrogate 1,2-Dinitrobenzene was recovered above the QC control limits in samples DTW43102015 (280-76331-4) and TMW02102015 (280-76331-13) on the confirmation column. These anomalies are due to obvious matrix interferences; therefore, corrective action is deemed unnecessary. The associated data have been flagged "Q" in accordance with the DOD QSM.

The RPD between the primary and confirmation columns exceeded 40% for 1,3-Dinitrobenzene, 2-Amino-4,6-dinitrotoluene and 4-Amino-2,6-dinitrotoluene in sample 13. The lower of the two values has been reported, as matrix interference is evident. The results in the analytical report have been flagged with "J" in accordance with the DOD QSM.

2-Amino-4,6-dinitrotoluene was detected in method blank MB 280-303142/1-A at a level that was less than the reporting limit on the confirmation column. The primary column result is ND; therefore, the method blank is ND. Associated samples are reporting 2-Amino-4,6-dinitrotoluene from the primary column; therefore, the data have been reported. The value should be considered an estimate, and has been flagged "J" in accordance with the DOD QSM.

4-Amino-2,6-dinitrotoluene was detected in method blank MB 280-303142/1-A at a level that was less than one half the reporting limit; therefore, corrective action was deemed unnecessary. The value should be considered an estimate, and has been flagged "J" in accordance with the DOD QSM.

The MS/MSD associated with prep batch 280-303142 was performed on sample TMW43102015 (280-76331-3). The MS/MSD exhibited a spike compound recovery and/or RPD data outside the QC control limits for several analytes. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample have been flagged "J" in accordance with the DOD QSM.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Perchlorate - 6860

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) were analyzed for Perchlorate in accordance with 6860. The samples were analyzed on 11/21/2015 and 11/25/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to analytes present above the calibration curve, samples TMW40D102015 (280-76331-7) and TMW02102015 (280-76331-13) had to be analyzed at dilutions. The reporting limits and method detection limits have been adjusted relative to the dilutions required.

MS/MSD analyses for analytical batch 280-305631 were not requested.

The MS/MSD associated with analytical batch 280-305017 was performed on sample TMW43102015 (280-76331-3). The MS/MSD exhibited a spike compound recovery and/or RPD data outside the QC control limits for Perchlorate. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample has been flagged "J" in accordance with the DOD QSM.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Total Metals - 6010C

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) were analyzed for Total Metals (ICP) in accordance with 6010C. The samples were prepared on 11/20/2015 and analyzed on 11/20/2015 and 11/23/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to high concentrations of target analytes, samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) had to be analyzed at dilutions. The reporting limits and method detection limits have been adjusted relative to the dilutions required.

Potassium was detected in method blank MB 320-93070/1-A at a level that was less than one half the reporting limit; therefore, corrective action was deemed unnecessary. The value should be considered an estimate, and has been flagged "J" in accordance with the DOD QSM.

The MS/MSD associated with prep batch 320-93057 was performed on sample TMW43102015 (280-76331-3). The MS/MSD spike compound recoveries and RPD data could not be reliably calculated for Sodium because the sample concentration was greater than four times the spike amounts. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Dissolved Metals - 6010C

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) were analyzed for Metals (ICP) in accordance with SW846 6010C. The samples were prepared on 11/20/2015 and analyzed on 11/20/2015 and 11/23/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to high concentrations of target analytes, samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10),

TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) had to be analyzed at dilutions. The reporting limits and method detection limits have been adjusted relative to the dilutions required.

The MS/MSD associated with prep batch 320-93057 was performed on sample TMW43102015 (280-76331-3). The MS/MSD spike compound recoveries and RPD data could not be reliably calculated for Sodium because the sample concentration was greater than four times the spike amounts. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample has been flagged "J" in accordance with the DOD QSM.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Total Metals - 6020A

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) were analyzed for metals (ICPMS) in accordance with 6020A. The samples were prepared on 11/06/2015 and analyzed on 11/06/2015 and 11/07/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

Silver was detected in method blank MB 280-302739/1-A at a level that was less than one half the reporting limit; therefore, corrective action was deemed unnecessary. The value should be considered an estimate, and has been flagged "J" in accordance with the DOD QSM.

The low level continuing calibration verification (CCVL) associated with analytical batch 280-303146 recovered above the upper control limit for Manganese. The samples associated with this CCVL were >10X the CCVL concentration for the affected analyte and the CCV was in control; therefore, the data have been reported. Associated data have been flagged "Q" in accordance with the DOD QSM.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Dissolved Metals - 6020A

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) were analyzed for Metals (ICP/MS) in accordance with 6020A. The samples were prepared on 11/05/2015 and analyzed on 11/10/2015 and 11/11/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Total Mercury - 7470A

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) were analyzed for mercury in accordance with 7470A. The samples were prepared on 11/18/2015 and analyzed on 11/19/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

The MS/MSD associated with prep batch 280-304704 was performed on sample TMW43102015 (280-76331-3). The MS/MSD exhibited spike compound recoveries and RPD data outside the QC control limits for Mercury. The acceptable LCS analysis data indicated that the analytical system was operating within control; therefore, corrective action is deemed unnecessary. The associated data in the parent sample has been flagged "J" in accordance with the DOD QSM.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Dissolved Mercury - 7470A

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) were analyzed for mercury in accordance with 7470A. The samples were prepared on 11/18/2015 and analyzed on 11/18/2015 and 11/19/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Nitrate & Nitrite - 9056

Samples TMW43102015 (280-76331-3), DTW43102015 (280-76331-4), TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), TMW17102015 (280-76331-8), TMW14A102015 (280-76331-9), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) were analyzed for anions (48 hours) in accordance with 9056A. The samples were analyzed on 11/05/2015.

Reporting limits and method detection limits have been adjusted accordingly for the initial volumes extracted.

Each sample is analyzed to achieve the lowest possible reporting limits within the constraints of the method. Due to high concentrations of target analytes and/or matrix interference, samples TMW45102015 (280-76331-5), TMW40D102015 (280-76331-7), SMW011102015 (280-76331-10), TMW34102015 (280-76331-11), DTW34102015 (280-76331-12) and TMW02102015 (280-76331-13) had to be analyzed at dilutions. The reporting limits and method detection limits have been adjusted relative to the dilutions required.

No other analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Data Review Summary

Lab Reporting Batch ID: 280-76331-1
 EDD Filename: Prep280-76331-1

Laboratory: TESTAME
 eQAPP Name: FtWingate_Primary_120405

<i>Validation Area</i>	<i>Note</i>
Technical Holding Times	A
Temperature	A
Initial Calibration	N
Continuing Calibration/Initial Calibration Verification	N
Method Blanks	SR
Surrogate/Tracer Spikes	A
Matrix Spike/Matrix Spike Duplicates	SR
Laboratory Duplicates	A
Laboratory Replicates	N
Laboratory Control Samples	SR
Compound Quantitation	SR
Field Duplicates	SR
Field Triplicates	N
Field Blanks	A

A = Acceptable, N = Not provided/applicable, SR = See report

The contents of this report reflect findings made by ADR during Automated Data Review, manual applied qualifiers are not considered. Please refer to the Overall Qualifier Summary report for manual qualifiers.

Field Duplicate RPD Report

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method: 6010C

Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW34102015 (DIS)	DTW34102015 (DIS)			
CALCIUM	130000	130000	0	50.00	No Qualifiers Applied
MAGNESIUM	27000	27000	0	50.00	
POTASSIUM	1600	1600	0	50.00	
SODIUM	1400000	1400000	0	50.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW34102015 (TOT)	DTW34102015 (TOT)			
CALCIUM	130000	130000	0	50.00	No Qualifiers Applied
MAGNESIUM	27000	27000	0	50.00	
POTASSIUM	1300	1400	7	50.00	
SODIUM	1400000	1400000	0	50.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW43102015 (DIS)	DTW43102015 (DIS)			
CALCIUM	38000	38000	0	50.00	No Qualifiers Applied
MAGNESIUM	6600	6700	2	50.00	
POTASSIUM	1000	1400	33	50.00	
SODIUM	600000	600000	0	50.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW43102015 (TOT)	DTW43102015 (TOT)			
CALCIUM	35000	35000	0	50.00	No Qualifiers Applied
MAGNESIUM	6400	6500	2	50.00	
POTASSIUM	920	1100	18	50.00	
SODIUM	580000	580000	0	50.00	

Method: 6020A

Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW34102015 (DIS)	DTW34102015 (DIS)			
BARIUM	11	11	0	50.00	No Qualifiers Applied
COBALT	0.11	0.11	0	50.00	
MANGANESE	140	150	7	50.00	
NICKEL	0.59	0.48	21	50.00	
SELENIUM	110	110	0	50.00	
VANADIUM	1.5	1.3	14	50.00	
ARSENIC	5.0 U	0.33	200	50.00	J(all detects) UJ(all non-detects)
COPPER	0.74	2.0 U	200	50.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW34102015 (TOT)	DTW34102015 (TOT)			

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Field Duplicate RPD Report

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method: 6020A**Matrix: AQ**

BARIUM	12	12	0	50.00	No Qualifiers Applied
COBALT	0.16	0.19	17	50.00	
COPPER	2.0 U	0.56	200	50.00	
MANGANESE	160	150	6	50.00	
NICKEL	0.61	0.51	18	50.00	
SELENIUM	110	110	0	50.00	
VANADIUM	1.5	1.4	7	50.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW43102015 (DIS)	DTW43102015 (DIS)			
BARIUM	20	20	0	50.00	No Qualifiers Applied
COBALT	0.086	0.095	10	50.00	
COPPER	1.3	1.3	0	50.00	
MANGANESE	50	51	2	50.00	
NICKEL	0.99	1.3	27	50.00	
SELENIUM	6.3	6.0	5	50.00	
SILVER	0.087	0.12	32	50.00	
THALLIUM	0.069	0.099	36	50.00	
VANADIUM	1.8	1.6	12	50.00	
ZINC	3.2	2.3	33	50.00	
ANTIMONY	0.60	6.0 U	200	50.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW43102015 (TOT)	DTW43102015 (TOT)			
ANTIMONY	1.1	0.43	88	50.00	No Qualifiers Applied
BARIUM	20	19	5	50.00	
BERYLLIUM	1.0 U	0.26	200	50.00	
COBALT	0.15	0.16	6	50.00	
MANGANESE	48	49	2	50.00	
NICKEL	3.0 U	0.53	200	50.00	
SELENIUM	6.2	6.7	8	50.00	
SILVER	0.037	0.033	11	50.00	
THALLIUM	0.051	0.14	93	50.00	
VANADIUM	1.5	1.9	24	50.00	

Method: 6860**Matrix: AQ**

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW34102015	DTW34102015			
PERCHLORATE	0.27	0.27	0	50.00	No Qualifiers Applied

Method: 7470A**Matrix: AQ**

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW43102015 (TOT)	DTW43102015 (TOT)			
MERCURY	3.3	0.20 U	200	50.00	No Qualifiers Applied

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Field Duplicate RPD Report

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method: 8270D**Matrix:** AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW43102015	DTW43102015			
BENZYL ALCOHOL	0.30	25 U	200	50.00	J(all detects) UJ(all non-detects)
DIMETHYL PHTHALATE	20 U	0.23	200	50.00	
FLUORANTHENE	20 U	0.21	200	50.00	
ISOPHORONE	9.8 U	0.21	200	50.00	
PHENANTHRENE	9.8 U	0.26	200	50.00	

Method: 8330B**Matrix:** AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	TMW43102015	DTW43102015			
HEXAHYDRO-1,3,5-TRINITRO-1,3,5-TRIAZINE	4.1	3.9	5	50.00	No Qualifiers Applied

Method: 9056**Matrix:** AQ

Analyte	Concentration (mg/L)		Sample RPD	eQAPP RPD	Flag
	TMW34102015	DTW34102015			
NITRATE	64	63	2	50.00	No Qualifiers Applied

Analyte	Concentration (mg/L)		Sample RPD	eQAPP RPD	Flag
	TMW43102015	DTW43102015			
NITRATE	7.9	8.6	8	50.00	No Qualifiers Applied

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

1/8/2016 10:45:02 AM

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Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method: 8270D
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
LCS 280-303282/2-A (DTW43102015 SMW011102015 TMW14A102015 TMW40D102015 TMW43102015 TMW45102015)	BENZIDINE	22	-	27.00-150.00	-	BENZIDINE	J (all detects) UJ (all non-detects)



History of Manual Changes to Automated Data Review Qualifiers

Changed by: Doug Scott

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time
Field Sample ID: DTW34102015								
PERCHLORATE	6860	RES	0.27	ug/L	Matrix Spike Precision	J		1/8/2016 10:35
Reason for change:		RPD incorrectly calculated, actual 3.4 in control						
SODIUM	6010C	RE2/DIS	1400000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 10:36
Reason for change:		4X rule						
Field Sample ID: DTW43102015								
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016 10:30
Reason for change:		zero recovery MS/MSD R flag						
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Rejection		R	1/8/2016 10:30
Reason for change:		zero recovery MS/MSd						
PERCHLORATE	6860	RES	0.010	ug/L	Matrix Spike Precision	UJ		1/8/2016 10:35
Reason for change:		RPD incorrectly calculated, actual 3.4 in control						
SODIUM	6010C	RE2/DIS	600000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 10:36
Reason for change:		4X rule						
Field Sample ID: SMW011102015								
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016 10:30
Reason for change:		zero recovery MS/MSD R flag						
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Rejection		R	1/8/2016 10:30
Reason for change:		zero recovery MS/MSd						

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time
Field Sample ID: SMW011102015								
SODIUM	6010C	RE2/DIS	890000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 10:36
Reason for change:	4X rule							
Field Sample ID: TMW02102015								
1,3-DINITROBENZENE	8330B	RE2	0.20	ug/L	Professional Judgment		J	1/8/2016 10:34
Reason for change:	>40% RPD Confirmation							
2-AMINO-4,6-DINITROTOLUENE	8330B	RES	0.37	ug/L	Professional Judgment		J	1/8/2016 10:33
Reason for change:	>40% RPD Confirmation							
4-AMINO-2,6-DINITROTOLUENE	8330B	RES	0.21	ug/L	Professional Judgment		J	1/8/2016 10:33
Reason for change:	>40% RPD Confirmation							
PERCHLORATE	6860	RES	2.8	ug/L	Matrix Spike Precision	J		1/8/2016 10:35
Reason for change:	RPD incorrectly calculated, actual 3.4 in control							
SODIUM	6010C	RE2/DIS	1100000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 10:36
Reason for change:	4X rule							
Field Sample ID: TMW14A102015								
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016 10:30
Reason for change:	zero recovery MS/MSD R flag							
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Rejection		R	1/8/2016 10:30
Reason for change:	zero recovery MS/MSd							
SODIUM	6010C	RE2/DIS	430000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 10:36
Reason for change:	4X rule							

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time
Field Sample ID: TMW17102015								
PERCHLORATE	6860	RES	0.010	ug/L	Matrix Spike Precision	UJ		1/8/2016 10:35
Reason for change:	RPD incorrectly calculated, actual 3.4 in control							
SODIUM	6010C	RE2/DIS	420000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 10:36
Reason for change:	4X rule							
Field Sample ID: TMW34102015								
PERCHLORATE	6860	RES	0.27	ug/L	Matrix Spike Precision	J		1/8/2016 10:35
Reason for change:	RPD incorrectly calculated, actual 3.4 in control							
SODIUM	6010C	RE2/DIS	1400000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 10:36
Reason for change:	4X rule							
Field Sample ID: TMW40D102015								
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016 10:30
Reason for change:	zero recovery MS/MSD R flag							
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Rejection		R	1/8/2016 10:30
Reason for change:	zero recovery MS/MSd							
PERCHLORATE	6860	RES	260	ug/L	Matrix Spike Precision	J		1/8/2016 10:35
Reason for change:	RPD incorrectly calculated, actual 3.4 in control							
SODIUM	6010C	RE2/DIS	740000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 10:36
Reason for change:	4X rule							
Field Sample ID: TMW43102015								
BENZIDINE	8270D	RES	98	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016 10:30
Reason for change:	zero recovery MS/MSD R flag							

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time
Field Sample ID: TMW43102015								
BENZIDINE	8270D	RES	98	ug/L	Matrix Spike Lower Rejection		R	1/8/2016 10:30
Reason for change: zero recovery MS/MSd								
PERCHLORATE	6860	RES	0.010	ug/L	Matrix Spike Precision	UJ		1/8/2016 10:35
Reason for change: RPD incorrectly calculated, actual 3.4 in control								
SODIUM	6010C	RE2/DIS	600000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 10:36
Reason for change: 4X rule								
Field Sample ID: TMW45102015								
BENZIDINE	8270D	RES	110	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016 10:30
Reason for change: zero recovery MS/MSD R flag								
BENZIDINE	8270D	RES	110	ug/L	Matrix Spike Lower Rejection		R	1/8/2016 10:30
Reason for change: zero recovery MS/MSd								
PERCHLORATE	6860	RES	0.010	ug/L	Matrix Spike Precision	UJ		1/8/2016 10:35
Reason for change: RPD incorrectly calculated, actual 3.4 in control								
SODIUM	6010C	RE2/DIS	960000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 10:36
Reason for change: 4X rule								

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method: 8330B**Matrix: AQ**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
TMW43102015MSD (DTW43102015 SMW011102015 TMW02102015 TMW14A102015 TMW40D102015 TMW43102015 TMW45102015)	3-NITROTOLUENE	-	-	50.00-130.00	41 (30.00)	3-NITROTOLUENE	J (all detects) UJ (all non-detects)

Method: 8270D**Matrix: AQ**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
TMW43102015MS TMW43102015MSD (DTW43102015 SMW011102015 TMW14A102015 TMW40D102015 TMW43102015 TMW45102015)	NITROBENZENE	114	111	45.00-110.00	-	NITROBENZENE	J(all detects)
TMW43102015MS TMW43102015MSD (DTW43102015 SMW011102015 TMW14A102015 TMW40D102015 TMW43102015 TMW45102015)	3,3'-DICHLOROBENZIDINE BENZIDINE	10 0	10 0	20.00-110.00 27.00-150.00	- -	3,3'-DICHLOROBENZIDINE BENZIDINE	J(all detects) UJ(all non-detects)

Method: 7470A**Matrix: AQ**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
TMW43102015MS (TOT) TMW43102015MSD (TOT) (DTW34102015 DTW43102015 SMW011102015 TMW02102015 TMW14A102015 TMW17102015 TMW34102015 TMW40D102015 TMW43102015 TMW45102015)	MERCURY	40	40	80.00-120.00	-	MERCURY	J(all detects) UJ(all non-detects)

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method: 6860**Matrix: AQ**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
TMW43102015MSD (DTW34102015 DTW43102015 TMW02102015 TMW17102015 TMW34102015 TMW40D102015 TMW43102015 TMW45102015)	PERCHLORATE	-	-	80.00-120.00	162 (15.00)	PERCHLORATE	J(all detects) UJ(all non-detects)

Method: 6010C**Matrix: AQ**

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
TMW43102015MS (DIS) (DTW34102015 DTW43102015 SMW011102015 TMW02102015 TMW14A102015 TMW17102015 TMW34102015 TMW40D102015 TMW43102015 TMW45102015)	SODIUM	70	-	80.00-120.00	-	SODIUM	J(all detects) UJ(all non-detects)

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Method Blank Outlier Report

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method: 6010C				
Matrix: AQ				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 320-93070/1-A	11/20/2015 4:34:00 PM	POTASSIUM	112 ug/L	DTW34102015 DTW43102015 SMW011102015 TMW02102015 TMW14A102015 TMW17102015 TMW34102015 TMW40D102015 TMW43102015 TMW45102015

Method: 6020A				
Matrix: AQ				
Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-302739/1-A	11/6/2015 11:26:00 PM	SILVER	0.0490 ug/L	DTW34102015 DTW43102015 SMW011102015 TMW02102015 TMW14A102015 TMW17102015 TMW34102015 TMW40D102015 TMW43102015 TMW45102015

The following samples and their listed target analytes were qualified due to contamination reported in this blank

Sample ID	Analyte	Reported Result	Modified Final Result
DTW43102015(RES/TOT)	SILVER	0.033 ug/L	0.033U ug/L
TMW17102015(RES/TOT)	SILVER	0.044 ug/L	0.044U ug/L
TMW43102015(RES/TOT)	SILVER	0.037 ug/L	0.037U ug/L
TMW45102015(RES/TOT)	SILVER	0.059 ug/L	0.059U ug/L

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	GENCHEM								
Method:	9056	Matrix: AQ							

11/3/2015 9:00:00									
Sample ID:TMW40D102015		Collected:AM			Analysis Type:RES/TOT			Dilution: 2	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NITRITE	0.21	J D	0.20	LOD	1.0	LOQ	mg/L	J	RI

11/3/2015 12:50:00									
Sample ID:TMW45102015		Collected:PM			Analysis Type:RES/TOT			Dilution: 2	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NITRATE	0.66	J D	0.20	LOD	1.0	LOQ	mg/L	J	RI

Method Category:	METALS								
Method:	6010C	Matrix: AQ							

11/3/2015 9:10:00									
Sample ID:SMW011102015		Collected:AM			Analysis Type:RES/DIS			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	860	J	250	LOD	1000	LOQ	ug/L	J	RI

11/3/2015 9:10:00									
Sample ID:SMW011102015		Collected:AM			Analysis Type:RES/TOT			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	27	J	50	LOD	100	LOQ	ug/L	J	RI
POTASSIUM	590	J	250	LOD	1000	LOQ	ug/L	J	RI

11/3/2015 1:40:00									
Sample ID:TMW02102015		Collected:PM			Analysis Type:RES/TOT			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	20	J	50	LOD	100	LOQ	ug/L	J	RI

11/3/2015 12:00:00									
Sample ID:TMW14A102015		Collected:PM			Analysis Type:RES/DIS			Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MAGNESIUM	380	J	100	LOD	500	LOQ	ug/L	J	RI
POTASSIUM	990	J	250	LOD	1000	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	METALS								
Method:	6010C	Matrix:	AQ						

Sample ID: TMW14A102015 11/3/2015 12:00:00 Collected: PM Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	28	J	50	LOD	100	LOQ	ug/L	J	RI
MAGNESIUM	380	J	100	LOD	500	LOQ	ug/L	J	RI
POTASSIUM	800	J	250	LOD	1000	LOQ	ug/L	J	RI

Sample ID: TMW17102015 11/3/2015 10:20:00 Collected: AM Analysis Type: RES/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	69	J	150	LOD	200	LOQ	ug/L	J	RI
IRON	22	J	50	LOD	100	LOQ	ug/L	J	RI
MAGNESIUM	470	J	100	LOD	500	LOQ	ug/L	J	RI

Sample ID: TMW17102015 11/3/2015 10:20:00 Collected: AM Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	910	J	250	LOD	1000	LOQ	ug/L	J	RI

Sample ID: TMW43102015 11/3/2015 9:50:00 Collected: AM Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	920	J	250	LOD	1000	LOQ	ug/L	J	RI

Sample ID: TMW45102015 11/3/2015 12:50:00 Collected: PM Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	79	J	150	LOD	200	LOQ	ug/L	J	RI
IRON	43	J	50	LOD	100	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	METALS									
Method:	6020A	Matrix:		AQ						

Sample ID: DTW34102015 Collected: 11/3/2015 11:30:00 AM Analysis Type: RE2/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.8	U	1.8	LOD	2.0	LOQ	ug/L	UJ	Fd

Sample ID: DTW34102015 Collected: 11/3/2015 11:30:00 AM Analysis Type: RES/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.33	J	1.0	LOD	5.0	LOQ	ug/L	J	RI, Fd
COBALT	0.11	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	0.48	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
VANADIUM	1.3	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

Sample ID: DTW34102015 Collected: 11/3/2015 11:30:00 AM Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.19	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.56	J	1.8	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.51	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
VANADIUM	1.4	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

Sample ID: DTW43102015 Collected: 11/3/2015 9:50:00 AM Analysis Type: RE2/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.3	J	1.8	LOD	2.0	LOQ	ug/L	J	RI

Sample ID: DTW43102015 Collected: 11/3/2015 9:50:00 AM Analysis Type: RES/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.0	U	1.0	LOD	6.0	LOQ	ug/L	UJ	Fd
COBALT	0.095	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	1.3	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
SILVER	0.12	J	0.10	LOD	5.0	LOQ	ug/L	J	RI
THALLIUM	0.099	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
VANADIUM	1.6	J	2.0	LOD	6.0	LOQ	ug/L	J	RI
ZINC	2.3	J	8.0	LOD	20	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	METALS								
Method:	6020A	Matrix:	AQ						

Sample ID:DTW43102015 Collected:AM 11/3/2015 9:50:00 Analysis Type:RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.43	J	1.0	LOD	6.0	LOQ	ug/L	J	RI
BERYLLIUM	0.26	J	0.30	LOD	1.0	LOQ	ug/L	J	RI
COBALT	0.16	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	0.53	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
SILVER	0.033	J	0.10	LOD	5.0	LOQ	ug/L	U	Mb
THALLIUM	0.14	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
VANADIUM	1.9	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

Sample ID:SMW011102015 Collected:AM 11/3/2015 9:10:00 Analysis Type:RE2/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.3	J	1.8	LOD	2.0	LOQ	ug/L	J	RI

Sample ID:SMW011102015 Collected:AM 11/3/2015 9:10:00 Analysis Type:RES/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.44	J	1.0	LOD	6.0	LOQ	ug/L	J	RI
ARSENIC	1.1	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
COBALT	0.10	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	1.6	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
VANADIUM	2.3	J	2.0	LOD	6.0	LOQ	ug/L	J	RI
ZINC	3.7	J	8.0	LOD	20	LOQ	ug/L	J	RI

Sample ID:SMW011102015 Collected:AM 11/3/2015 9:10:00 Analysis Type:RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.88	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
COBALT	0.36	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.4	J	1.8	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	2.0	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
VANADIUM	2.7	J	2.0	LOD	6.0	LOQ	ug/L	J	RI
ZINC	2.1	J	8.0	LOD	20	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	METALS								
Method:	6020A	Matrix:	AQ						

Sample ID: TMW02102015 11/3/2015 1:40:00 Collected: PM Analysis Type: RE2/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	0.63	J	1.8	LOD	2.0	LOQ	ug/L	J	RI

Sample ID: TMW02102015 11/3/2015 1:40:00 Collected: PM Analysis Type: RES/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.39	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
COBALT	0.16	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	0.51	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
VANADIUM	1.4	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

Sample ID: TMW02102015 11/3/2015 1:40:00 Collected: PM Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.1	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
CHROMIUM	0.64	J	1.8	LOD	10	LOQ	ug/L	J	RI
MANGANESE	1.0	J	0.95	LOD	3.5	LOQ	ug/L	J	RI
ZINC	2.0	J	8.0	LOD	20	LOQ	ug/L	J	RI

Sample ID: TMW14A102015 11/3/2015 12:00:00 Collected: PM Analysis Type: RES/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.34	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
NICKEL	0.63	J	1.0	LOD	3.0	LOQ	ug/L	J	RI

Sample ID: TMW14A102015 11/3/2015 12:00:00 Collected: PM Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.3	J	1.8	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.39	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
ZINC	7.5	J	8.0	LOD	20	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	METALS	
Method:	6020A	Matrix: AQ

11/3/2015 10:20:00									
Sample ID:TMW17102015	Collected:AM			Analysis Type:RES/TOT				Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.61	J	1.8	LOD	10	LOQ	ug/L	J	RI
COBALT	0.074	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.3	J	1.8	LOD	2.0	LOQ	ug/L	J	RI
LEAD	0.90	J	0.70	LOD	3.0	LOQ	ug/L	J	RI
NICKEL	0.84	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
SILVER	0.044	J	0.10	LOD	5.0	LOQ	ug/L	U	Mb
VANADIUM	0.84	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

11/3/2015 11:30:00									
Sample ID:TMW34102015	Collected:AM			Analysis Type:RE2/DIS				Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	0.74	J	1.8	LOD	2.0	LOQ	ug/L	J	RI, Fd

11/3/2015 11:30:00									
Sample ID:TMW34102015	Collected:AM			Analysis Type:RES/DIS				Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.0	U	1.0	LOD	5.0	LOQ	ug/L	UJ	Fd
COBALT	0.11	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	0.59	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
VANADIUM	1.5	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

11/3/2015 11:30:00									
Sample ID:TMW34102015	Collected:AM			Analysis Type:RES/TOT				Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.16	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	0.61	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
VANADIUM	1.5	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

11/3/2015 9:00:00									
Sample ID:TMW40D102015	Collected:AM			Analysis Type:RES/DIS				Dilution: 1	
Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.43	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
COBALT	0.067	J	0.20	LOD	1.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW



Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	METALS	
Method:	6020A	Matrix: AQ

Sample ID: TMW40D102015 Collected: 11/3/2015 9:00:00 AM Analysis Type: RES/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	0.99	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
SELENIUM	3.1	J	2.0	LOD	5.0	LOQ	ug/L	J	RI
VANADIUM	2.9	J	2.0	LOD	6.0	LOQ	ug/L	J	RI
ZINC	2.5	J	8.0	LOD	20	LOQ	ug/L	J	RI

Sample ID: TMW40D102015 Collected: 11/3/2015 9:00:00 AM Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	0.42	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
COBALT	0.071	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.72	J	1.8	LOD	2.0	LOQ	ug/L	J	RI
SELENIUM	3.5	J	2.0	LOD	5.0	LOQ	ug/L	J	RI
VANADIUM	3.4	J	2.0	LOD	6.0	LOQ	ug/L	J	RI
ZINC	4.1	J	8.0	LOD	20	LOQ	ug/L	J	RI

Sample ID: TMW43102015 Collected: 11/3/2015 9:50:00 AM Analysis Type: RE2/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COPPER	1.3	J	1.8	LOD	2.0	LOQ	ug/L	J	RI

Sample ID: TMW43102015 Collected: 11/3/2015 9:50:00 AM Analysis Type: RES/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.60	J	1.0	LOD	6.0	LOQ	ug/L	J	RI, Fd
COBALT	0.086	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	0.99	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
SILVER	0.087	J	0.10	LOD	5.0	LOQ	ug/L	J	RI
THALLIUM	0.069	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
VANADIUM	1.8	J	2.0	LOD	6.0	LOQ	ug/L	J	RI
ZINC	3.2	J	8.0	LOD	20	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	METALS	
Method:	6020A	Matrix: AQ

Sample ID: TMW43102015 Collected: AM 11/3/2015 9:50:00 Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.1	J	1.0	LOD	6.0	LOQ	ug/L	J	RI
COBALT	0.15	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
SILVER	0.037	J	0.10	LOD	5.0	LOQ	ug/L	U	Mb
THALLIUM	0.051	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
VANADIUM	1.5	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

Sample ID: TMW45102015 Collected: PM 11/3/2015 12:50:00 Analysis Type: RES/DIS Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.1	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
COBALT	0.086	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	1.4	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
VANADIUM	4.2	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

Sample ID: TMW45102015 Collected: PM 11/3/2015 12:50:00 Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ARSENIC	1.0	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
CHROMIUM	0.52	J	1.8	LOD	10	LOQ	ug/L	J	RI
COBALT	0.20	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
NICKEL	1.4	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
SELENIUM	0.70	J	2.0	LOD	5.0	LOQ	ug/L	J	RI
SILVER	0.059	J	0.10	LOD	5.0	LOQ	ug/L	U	Mb
VANADIUM	4.2	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

Method Category:	METALS	
Method:	7470A	Matrix: AQ

Sample ID: DTW34102015 Collected: AM 11/3/2015 11:30:00 Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U	0.080	LOD	0.20	LOQ	ug/L	UJ	Ms

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	METALS	Matrix:	AQ
Method:	7470A		

Sample ID:DTW43102015 11/3/2015 9:50:00 Collected:AM Analysis Type:RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U	0.080	LOD	0.20	LOQ	ug/L	UJ	Ms

Sample ID:SMW011102015 11/3/2015 9:10:00 Collected:AM Analysis Type:RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U	0.080	LOD	0.20	LOQ	ug/L	UJ	Ms

Sample ID:TMW02102015 11/3/2015 1:40:00 Collected:PM Analysis Type:RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U	0.080	LOD	0.20	LOQ	ug/L	UJ	Ms

Sample ID:TMW14A102015 11/3/2015 12:00:00 Collected:PM Analysis Type:RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U	0.080	LOD	0.20	LOQ	ug/L	UJ	Ms

Sample ID:TMW17102015 11/3/2015 10:20:00 Collected:AM Analysis Type:RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U	0.080	LOD	0.20	LOQ	ug/L	UJ	Ms

Sample ID:TMW34102015 11/3/2015 11:30:00 Collected:AM Analysis Type:RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U	0.080	LOD	0.20	LOQ	ug/L	UJ	Ms

Sample ID:TMW40D102015 11/3/2015 9:00:00 Collected:AM Analysis Type:RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U	0.080	LOD	0.20	LOQ	ug/L	UJ	Ms

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW



Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	METALS								
Method:	7470A	Matrix:	AQ						

Sample ID: TMW43102015 Collected: 11/3/2015 9:50:00 AM Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	3.3	J	0.080	LOD	0.20	LOQ	ug/L	J	Ms

Sample ID: TMW45102015 Collected: 11/3/2015 12:50:00 PM Analysis Type: RES/TOT Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MERCURY	0.080	U	0.080	LOD	0.20	LOQ	ug/L	UJ	Ms

Method Category:	SVOA								
Method:	8015C DRO	Matrix:	AQ						

Sample ID: MW22S102015 Collected: 11/3/2015 7:41:00 AM Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
DIESEL RANGE ORGANICS	0.16	J M	0.12	LOD	0.26	LOQ	mg/L	J	RI

Method Category:	SVOA								
Method:	8270D	Matrix:	AQ						

Sample ID: DTW43102015 Collected: 11/3/2015 9:50:00 AM Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3,3'-DICHLOROBENZIDINE	4.4	U	4.4	LOD	50	LOQ	ug/L	UJ	Ms
BENZIDINE	100	U Q	100	LOD	200	LOQ	ug/L	R	Lcs, Ms
BENZYL ALCOHOL	0.50	U	0.50	LOD	25	LOQ	ug/L	UJ	Fd
DIMETHYL PHTHALATE	0.23	J	0.50	LOD	20	LOQ	ug/L	J	RI, Fd
FLUORANTHENE	0.21	J	0.50	LOD	20	LOQ	ug/L	J	RI, Fd
ISOPHORONE	0.21	J	0.50	LOD	10	LOQ	ug/L	J	RI, Fd
PHENANTHRENE	0.26	J	1.0	LOD	10	LOQ	ug/L	J	RI, Fd

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	SVOA
Method:	8270D
Matrix:	AQ

Sample ID: SMW011102015 Collected: 11/3/2015 9:10:00 AM Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3,3'-DICHLOROBENZIDINE	4.6	U	4.6	LOD	52	LOQ	ug/L	UJ	Ms
BENZIDINE	100	U Q	100	LOD	210	LOQ	ug/L	R	Lcs, Ms

Sample ID: TMW14A102015 Collected: 11/3/2015 12:00:00 PM Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3,3'-DICHLOROBENZIDINE	4.5	U	4.5	LOD	51	LOQ	ug/L	UJ	Ms
BENZIDINE	100	U Q	100	LOD	200	LOQ	ug/L	R	Lcs, Ms

Sample ID: TMW40D102015 Collected: 11/3/2015 9:00:00 AM Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3,3'-DICHLOROBENZIDINE	4.5	U	4.5	LOD	51	LOQ	ug/L	UJ	Ms
BENZIDINE	100	U Q	100	LOD	200	LOQ	ug/L	R	Lcs, Ms

Sample ID: TMW43102015 Collected: 11/3/2015 9:50:00 AM Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3,3'-DICHLOROBENZIDINE	4.3	U J	4.3	LOD	49	LOQ	ug/L	UJ	Ms
BENZIDINE	98	U Q J	98	LOD	200	LOQ	ug/L	R	Lcs, Ms
BENZYL ALCOHOL	0.30	J	0.49	LOD	25	LOQ	ug/L	J	Rl, Fd
DIMETHYL PHTHALATE	0.49	U	0.49	LOD	20	LOQ	ug/L	UJ	Fd
FLUORANTHENE	0.49	U	0.49	LOD	20	LOQ	ug/L	UJ	Fd
ISOPHORONE	0.49	U	0.49	LOD	9.8	LOQ	ug/L	UJ	Fd
PHENANTHRENE	0.98	U	0.98	LOD	9.8	LOQ	ug/L	UJ	Fd

Sample ID: TMW45102015 Collected: 11/3/2015 12:50:00 PM Analysis Type: RES-BASE/NEUTRAL Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3,3'-DICHLOROBENZIDINE	4.6	U	4.6	LOD	53	LOQ	ug/L	UJ	Ms
BENZIDINE	110	U Q	110	LOD	210	LOQ	ug/L	R	Lcs, Ms

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	SVOA	Matrix:	AQ
Method:	8330B		

Sample ID:DTW43102015 Collected:AM 11/3/2015 9:50:00 Analysis Type:RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3-NITROTOLUENE	0.21	U	0.21	LOD	0.42	LOQ	ug/L	UJ	Ms

Sample ID:SMW011102015 Collected:AM 11/3/2015 9:10:00 Analysis Type:RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3-NITROTOLUENE	0.21	U	0.21	LOD	0.42	LOQ	ug/L	UJ	Ms

Sample ID:TMW02102015 Collected:PM 11/3/2015 1:40:00 Analysis Type:RE2 Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,3-DINITROBENZENE	0.20	J	0.23	LOD	0.46	LOQ	ug/L	J	RI, ProfJudg

Sample ID:TMW02102015 Collected:PM 11/3/2015 1:40:00 Analysis Type:RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2-AMINO-4,6-DINITROTOLUENE	0.37	J	0.14	LOD	0.23	LOQ	ug/L	J	ProfJudg
3-NITROTOLUENE	0.23	U	0.23	LOD	0.46	LOQ	ug/L	UJ	Ms
4-AMINO-2,6-DINITROTOLUENE	0.21	J	0.14	LOD	0.23	LOQ	ug/L	J	RI, ProfJudg

Sample ID:TMW14A102015 Collected:PM 11/3/2015 12:00:00 Analysis Type:RE2 Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3-NITROTOLUENE	0.22	U	0.22	LOD	0.43	LOQ	ug/L	UJ	Ms

Sample ID:TMW40D102015 Collected:AM 11/3/2015 9:00:00 Analysis Type:RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3-NITROTOLUENE	0.21	U	0.21	LOD	0.43	LOQ	ug/L	UJ	Ms

Sample ID:TMW43102015 Collected:AM 11/3/2015 9:50:00 Analysis Type:RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3-NITROTOLUENE	0.22	U J	0.22	LOD	0.44	LOQ	ug/L	UJ	Ms

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW



Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method Category:	SVOA								
Method:	8330B	Matrix: AQ							

Sample ID: TMW45102015 11/3/2015 12:50:00
 Collected: PM Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
3-NITROTOLUENE	0.22	U	0.22	LOD	0.45	LOQ	ug/L	UJ	Ms

Method Category:	VOA								
Method:	8260B	Matrix: AQ							

Sample ID: TMW14A102015 11/3/2015 12:00:00
 Collected: PM Analysis Type: RES Dilution: 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CARBON DISULFIDE	0.83	J	1.6	LOD	2.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Data Qualifier Summary

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Reason Code Legend

<i>Reason Code</i>	<i>Description</i>
Fd	Field Duplicate Precision
Lcs	Laboratory Control Spike Lower Estimation
Mb	Method Blank Contamination
Ms	Matrix Spike Lower Estimation
Ms	Matrix Spike Lower Rejection
Ms	Matrix Spike Precision
Ms	Matrix Spike Upper Estimation
ProfJudg	Professional Judgment
RI	Reporting Limit Trace Value

* denotes a non-reportable result

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Reporting Limit Outliers

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method: 6010C**Matrix:** AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
SMW011102015	IRON	J	27	100	LOQ	ug/L	J (all detects)
	POTASSIUM	J	860	1000	LOQ	ug/L	
TMW02102015	IRON	J	20	100	LOQ	ug/L	J (all detects)
TMW14A102015	IRON	J	28	100	LOQ	ug/L	J (all detects)
	MAGNESIUM	J	380	500	LOQ	ug/L	
	POTASSIUM	J	990	1000	LOQ	ug/L	
TMW17102015	ALUMINUM	J	69	200	LOQ	ug/L	J (all detects)
	IRON	J	22	100	LOQ	ug/L	
	MAGNESIUM	J	470	500	LOQ	ug/L	
	POTASSIUM	J	910	1000	LOQ	ug/L	
TMW43102015	POTASSIUM	J	920	1000	LOQ	ug/L	J (all detects)
TMW45102015	ALUMINUM	J	79	200	LOQ	ug/L	J (all detects)
	IRON	J	43	100	LOQ	ug/L	

Method: 6020A**Matrix:** AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DTW34102015	ARSENIC	J	0.33	5.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.11	1.0	LOQ	ug/L	
	COPPER	J	0.56	2.0	LOQ	ug/L	
	NICKEL	J	0.48	3.0	LOQ	ug/L	
	VANADIUM	J	1.3	6.0	LOQ	ug/L	
DTW43102015	ANTIMONY	J	0.43	6.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.26	1.0	LOQ	ug/L	
	COBALT	J	0.095	1.0	LOQ	ug/L	
	COPPER	J	1.3	2.0	LOQ	ug/L	
	NICKEL	J	1.3	3.0	LOQ	ug/L	
	SILVER	J	0.12	5.0	LOQ	ug/L	
	THALLIUM	J	0.099	1.0	LOQ	ug/L	
	VANADIUM	J	1.6	6.0	LOQ	ug/L	
	ZINC	J	2.3	20	LOQ	ug/L	
SMW011102015	ANTIMONY	J	0.44	6.0	LOQ	ug/L	J (all detects)
	ARSENIC	J	1.1	5.0	LOQ	ug/L	
	COBALT	J	0.10	1.0	LOQ	ug/L	
	COPPER	J	1.3	2.0	LOQ	ug/L	
	NICKEL	J	1.6	3.0	LOQ	ug/L	
	VANADIUM	J	2.3	6.0	LOQ	ug/L	
	ZINC	J	3.7	20	LOQ	ug/L	
TMW02102015	ARSENIC	J	0.39	5.0	LOQ	ug/L	J (all detects)
	CHROMIUM	J	0.64	10	LOQ	ug/L	
	COBALT	J	0.16	1.0	LOQ	ug/L	
	COPPER	J	0.63	2.0	LOQ	ug/L	
	MANGANESE	J	1.0	3.5	LOQ	ug/L	
	NICKEL	J	0.51	3.0	LOQ	ug/L	
	VANADIUM	J	1.4	6.0	LOQ	ug/L	
	ZINC	J	2.0	20	LOQ	ug/L	

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Reporting Limit Outliers

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method: 6020A
Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW14A102015	ARSENIC	J	0.34	5.0	LOQ	ug/L	J (all detects)
	COPPER	J	1.3	2.0	LOQ	ug/L	
	NICKEL	J	0.63	3.0	LOQ	ug/L	
	ZINC	J	7.5	20	LOQ	ug/L	
TMW17102015	CHROMIUM	J	0.61	10	LOQ	ug/L	J (all detects)
	COBALT	J	0.074	1.0	LOQ	ug/L	
	COPPER	J	1.3	2.0	LOQ	ug/L	
	LEAD	J	0.90	3.0	LOQ	ug/L	
	NICKEL	J	0.84	3.0	LOQ	ug/L	
	SILVER	J	0.044	5.0	LOQ	ug/L	
	VANADIUM	J	0.84	6.0	LOQ	ug/L	
TMW34102015	COBALT	J	0.11	1.0	LOQ	ug/L	J (all detects)
	COPPER	J	0.74	2.0	LOQ	ug/L	
	NICKEL	J	0.59	3.0	LOQ	ug/L	
	VANADIUM	J	1.5	6.0	LOQ	ug/L	
TMW40D102015	ARSENIC	J	0.43	5.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.067	1.0	LOQ	ug/L	
	COPPER	J	0.72	2.0	LOQ	ug/L	
	NICKEL	J	0.99	3.0	LOQ	ug/L	
	SELENIUM	J	3.1	5.0	LOQ	ug/L	
	VANADIUM	J	2.9	6.0	LOQ	ug/L	
TMW43102015	ZINC	J	2.5	20	LOQ	ug/L	J (all detects)
	ANTIMONY	J	0.60	6.0	LOQ	ug/L	
	COBALT	J	0.086	1.0	LOQ	ug/L	
	COPPER	J	1.3	2.0	LOQ	ug/L	
	NICKEL	J	0.99	3.0	LOQ	ug/L	
	SILVER	J	0.087	5.0	LOQ	ug/L	
	THALLIUM	J	0.069	1.0	LOQ	ug/L	
TMW45102015	VANADIUM	J	1.8	6.0	LOQ	ug/L	J (all detects)
	ZINC	J	3.2	20	LOQ	ug/L	
	ARSENIC	J	1.1	5.0	LOQ	ug/L	
	CHROMIUM	J	0.52	10	LOQ	ug/L	
	COBALT	J	0.086	1.0	LOQ	ug/L	
	NICKEL	J	1.4	3.0	LOQ	ug/L	
	SELENIUM	J	0.70	5.0	LOQ	ug/L	
MW22S102015	SILVER	J	0.059	5.0	LOQ	ug/L	J (all detects)
	VANADIUM	J	4.2	6.0	LOQ	ug/L	

Method: 8015C DRO
Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW22S102015	DIESEL RANGE ORGANICS	J M	0.16	0.26	LOQ	mg/L	J (all detects)

Project Name and Number: 102012 - USACE Project: USACE Project: FWDA 102012 GW

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Reporting Limit Outliers

Lab Reporting Batch ID: 280-76331-1

Laboratory: TESTAME

EDD Filename: Prep280-76331-1

eQAPP Name: FtWingate_Primary_120405

Method: 8260B
Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW14A102015	CARBON DISULFIDE	J	0.83	2.0	LOQ	ug/L	J (all detects)

Method: 8270D
Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DTW43102015	DIMETHYL PHTHALATE	J	0.23	20	LOQ	ug/L	J (all detects)
	FLUORANTHENE	J	0.21	20	LOQ	ug/L	
	ISOPHORONE	J	0.21	10	LOQ	ug/L	
	PHENANTHRENE	J	0.26	10	LOQ	ug/L	
TMW43102015	BENZYL ALCOHOL	J	0.30	25	LOQ	ug/L	J (all detects)

Method: 8330B
Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW02102015	1,3-DINITROBENZENE	J	0.20	0.46	LOQ	ug/L	J (all detects)
	4-AMINO-2,6-DINITROTOLUENE	J	0.21	0.23	LOQ	ug/L	

Method: 9056
Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
TMW40D102015	NITRITE	J D	0.21	1.0	LOQ	mg/L	J (all detects)
TMW45102015	NITRATE	J D	0.66	1.0	LOQ	mg/L	J (all detects)



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<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
Lab Reporting Batch: 280-76331-1						
Method: 6010C						
DTW34102015	280-76331-12	AQ	FD	3010A	11/3/2015 11:30:00 AM	S2AVE
DTW43102015	280-76331-4	AQ	FD	3010A	11/3/2015 9:50:00 AM	S2AVE
SMW011102015	280-76331-10	AQ	N	3010A	11/3/2015 9:10:00 AM	S2AVE
TMW02102015	280-76331-13	AQ	N	3010A	11/3/2015 1:40:00 PM	S2AVE
TMW14A102015	280-76331-9	AQ	N	3010A	11/3/2015 12:00:00 PM	S2AVE
TMW17102015	280-76331-8	AQ	N	3010A	11/3/2015 10:20:00 AM	S2AVE
TMW34102015	280-76331-11	AQ	N	3010A	11/3/2015 11:30:00 AM	S2AVE
TMW40D102015	280-76331-7	AQ	N	3010A	11/3/2015 9:00:00 AM	S2AVE
TMW43102015	280-76331-3	AQ	N	3010A	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MS	280-76331-3MS	AQ	MS	3010A	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MSD	280-76331-3MSD	AQ	MSD	3010A	11/3/2015 9:50:00 AM	S2AVE
TMW45102015	280-76331-5	AQ	N	3010A	11/3/2015 12:50:00 PM	S2AVE
Method: 6020A						
DTW34102015	280-76331-12	AQ	FD	3005A	11/3/2015 11:30:00 AM	S2AVE
DTW34102015	280-76331-12	AQ	FD	3020A	11/3/2015 11:30:00 AM	S2AVE
DTW43102015	280-76331-4	AQ	FD	3005A	11/3/2015 9:50:00 AM	S2AVE
DTW43102015	280-76331-4	AQ	FD	3020A	11/3/2015 9:50:00 AM	S2AVE
SMW011102015	280-76331-10	AQ	N	3005A	11/3/2015 9:10:00 AM	S2AVE
SMW011102015	280-76331-10	AQ	N	3020A	11/3/2015 9:10:00 AM	S2AVE
TMW02102015	280-76331-13	AQ	N	3005A	11/3/2015 1:40:00 PM	S2AVE
TMW02102015	280-76331-13	AQ	N	3020A	11/3/2015 1:40:00 PM	S2AVE
TMW14A102015	280-76331-9	AQ	N	3005A	11/3/2015 12:00:00 PM	S2AVE
TMW14A102015	280-76331-9	AQ	N	3020A	11/3/2015 12:00:00 PM	S2AVE

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<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
Method: 6020A						
TMW17102015	280-76331-8	AQ	N	3005A	11/3/2015 10:20:00 AM	S2AVE
TMW17102015	280-76331-8	AQ	N	3020A	11/3/2015 10:20:00 AM	S2AVE
TMW34102015	280-76331-11	AQ	N	3005A	11/3/2015 11:30:00 AM	S2AVE
TMW34102015	280-76331-11	AQ	N	3020A	11/3/2015 11:30:00 AM	S2AVE
TMW40D102015	280-76331-7	AQ	N	3005A	11/3/2015 9:00:00 AM	S2AVE
TMW40D102015	280-76331-7	AQ	N	3020A	11/3/2015 9:00:00 AM	S2AVE
TMW43102015	280-76331-3	AQ	N	3005A	11/3/2015 9:50:00 AM	S2AVE
TMW43102015	280-76331-3	AQ	N	3020A	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MS	280-76331-3MS	AQ	MS	METHOD	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MS	280-76331-3MS	AQ	MS	3020A	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MSD	280-76331-3MSD	AQ	MSD	METHOD	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MSD	280-76331-3MSD	AQ	MSD	3020A	11/3/2015 9:50:00 AM	S2AVE
TMW45102015	280-76331-5	AQ	N	3005A	11/3/2015 12:50:00 PM	S2AVE
TMW45102015	280-76331-5	AQ	N	3020A	11/3/2015 12:50:00 PM	S2AVE
Method: 6860						
DTW34102015	280-76331-12	AQ	FD	METHOD	11/3/2015 11:30:00 AM	S2AVE
DTW43102015	280-76331-4	AQ	FD	METHOD	11/3/2015 9:50:00 AM	S2AVE
SMW011102015	280-76331-10	AQ	N	METHOD	11/3/2015 9:10:00 AM	S2AVE
TMW02102015	280-76331-13	AQ	N	METHOD	11/3/2015 1:40:00 PM	S2AVE
TMW17102015	280-76331-8	AQ	N	METHOD	11/3/2015 10:20:00 AM	S2AVE
TMW34102015	280-76331-11	AQ	N	METHOD	11/3/2015 11:30:00 AM	S2AVE
TMW40D102015	280-76331-7	AQ	N	METHOD	11/3/2015 9:00:00 AM	S2AVE
TMW43102015	280-76331-3	AQ	N	METHOD	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MS	280-76331-3MS	AQ	MS	METHOD	11/3/2015 9:50:00 AM	S2AVE

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<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
Method: 6860						
TMW43102015MSD	280-76331-3MSD	AQ	MSD	METHOD	11/3/2015 9:50:00 AM	S2AVE
TMW45102015	280-76331-5	AQ	N	METHOD	11/3/2015 12:50:00 PM	S2AVE
Method: 7470A						
DTW34102015	280-76331-12	AQ	FD	7470A	11/3/2015 11:30:00 AM	S2AVE
DTW43102015	280-76331-4	AQ	FD	7470A	11/3/2015 9:50:00 AM	S2AVE
SMW011102015	280-76331-10	AQ	N	7470A	11/3/2015 9:10:00 AM	S2AVE
TMW02102015	280-76331-13	AQ	N	7470A	11/3/2015 1:40:00 PM	S2AVE
TMW14A102015	280-76331-9	AQ	N	7470A	11/3/2015 12:00:00 PM	S2AVE
TMW17102015	280-76331-8	AQ	N	7470A	11/3/2015 10:20:00 AM	S2AVE
TMW34102015	280-76331-11	AQ	N	7470A	11/3/2015 11:30:00 AM	S2AVE
TMW40D102015	280-76331-7	AQ	N	7470A	11/3/2015 9:00:00 AM	S2AVE
TMW43102015	280-76331-3	AQ	N	7470A	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MS	280-76331-3MS	AQ	MS	7470A	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MSD	280-76331-3MSD	AQ	MSD	7470A	11/3/2015 9:50:00 AM	S2AVE
TMW45102015	280-76331-5	AQ	N	7470A	11/3/2015 12:50:00 PM	S2AVE
Method: 8015C DRO						
DTW34102015	280-76331-12	AQ	FD	3510C	11/3/2015 11:30:00 AM	S2AVE
MW22S102015	280-76331-6	AQ	N	3510C	11/3/2015 7:41:00 AM	S2AVE
TMW34102015	280-76331-11	AQ	N	3510C	11/3/2015 11:30:00 AM	S2AVE
Method: 8015C GRO						
DTW34102015	280-76331-12	AQ	FD	METHOD	11/3/2015 11:30:00 AM	S2AVE
TB-11-102015	280-76331-2	AQ	TB	METHOD	11/3/2015 8:05:00 AM	S2AVE
TMW34102015	280-76331-11	AQ	N	METHOD	11/3/2015 11:30:00 AM	S2AVE



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<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
Method: 8081A						
DTW43102015	280-76331-4	AQ	FD	3510C	11/3/2015 9:50:00 AM	S2AVE
TMW40D102015	280-76331-7	AQ	N	3510C	11/3/2015 9:00:00 AM	S2AVE
TMW43102015	280-76331-3	AQ	N	3510C	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MS	280-76331-3MS	AQ	MS	3510C	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MSD	280-76331-3MSD	AQ	MSD	3510C	11/3/2015 9:50:00 AM	S2AVE
TMW45102015	280-76331-5	AQ	N	3510C	11/3/2015 12:50:00 PM	S2AVE
Method: 8260B						
DTW34102015	280-76331-12	AQ	FD	5030	11/3/2015 11:30:00 AM	S2AVE
DTW43102015	280-76331-4	AQ	FD	5030	11/3/2015 9:50:00 AM	S2AVE
SMW011102015	280-76331-10	AQ	N	5030	11/3/2015 9:10:00 AM	S2AVE
TB-10-102015	280-76331-1	AQ	TB	5030	11/3/2015 8:00:00 AM	S2AVE
TMW02102015	280-76331-13	AQ	N	5030	11/3/2015 1:40:00 PM	S2AVE
TMW14A102015	280-76331-9	AQ	N	5030	11/3/2015 12:00:00 PM	S2AVE
TMW17102015	280-76331-8	AQ	N	5030	11/3/2015 10:20:00 AM	S2AVE
TMW34102015	280-76331-11	AQ	N	5030	11/3/2015 11:30:00 AM	S2AVE
TMW40D102015	280-76331-7	AQ	N	5030	11/3/2015 9:00:00 AM	S2AVE
TMW43102015	280-76331-3	AQ	N	5030	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MS	280-76331-3MS	AQ	MS	5030	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MSD	280-76331-3MSD	AQ	MSD	5030	11/3/2015 9:50:00 AM	S2AVE
TMW45102015	280-76331-5	AQ	N	5030	11/3/2015 12:50:00 PM	S2AVE
Method: 8270D						
DTW43102015	280-76331-4	AQ	FD	3520C	11/3/2015 9:50:00 AM	S2AVE
SMW011102015	280-76331-10	AQ	N	3520C	11/3/2015 9:10:00 AM	S2AVE
TMW14A102015	280-76331-9	AQ	N	3520C	11/3/2015 12:00:00 PM	S2AVE

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Data Review Sample Summary Report by Analysis Method

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<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
Method: 8270D						
TMW40D102015	280-76331-7	AQ	N	3520C	11/3/2015 9:00:00 AM	S2AVE
TMW43102015	280-76331-3	AQ	N	3520C	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MS	280-76331-3MS	AQ	MS	3520C	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MSD	280-76331-3MSD	AQ	MSD	3520C	11/3/2015 9:50:00 AM	S2AVE
TMW45102015	280-76331-5	AQ	N	3520C	11/3/2015 12:50:00 PM	S2AVE
Method: 8330B						
DTW43102015	280-76331-4	AQ	FD	3535	11/3/2015 9:50:00 AM	S2AVE
SMW011102015	280-76331-10	AQ	N	3535	11/3/2015 9:10:00 AM	S2AVE
TMW02102015	280-76331-13	AQ	N	3535	11/3/2015 1:40:00 PM	S2AVE
TMW14A102015	280-76331-9	AQ	N	3535	11/3/2015 12:00:00 PM	S2AVE
TMW40D102015	280-76331-7	AQ	N	3535	11/3/2015 9:00:00 AM	S2AVE
TMW43102015	280-76331-3	AQ	N	3535	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MS	280-76331-3MS	AQ	MS	3535	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MSD	280-76331-3MSD	AQ	MSD	3535	11/3/2015 9:50:00 AM	S2AVE
TMW45102015	280-76331-5	AQ	N	3535	11/3/2015 12:50:00 PM	S2AVE
Method: 9056						
DTW34102015	280-76331-12	AQ	FD	METHOD	11/3/2015 11:30:00 AM	S2AVE
DTW43102015	280-76331-4	AQ	FD	METHOD	11/3/2015 9:50:00 AM	S2AVE
SMW011102015	280-76331-10	AQ	N	METHOD	11/3/2015 9:10:00 AM	S2AVE
TMW02102015	280-76331-13	AQ	N	METHOD	11/3/2015 1:40:00 PM	S2AVE
TMW14A102015	280-76331-9	AQ	N	METHOD	11/3/2015 12:00:00 PM	S2AVE
TMW17102015	280-76331-8	AQ	N	METHOD	11/3/2015 10:20:00 AM	S2AVE
TMW34102015	280-76331-11	AQ	N	METHOD	11/3/2015 11:30:00 AM	S2AVE
TMW40D102015	280-76331-7	AQ	N	METHOD	11/3/2015 9:00:00 AM	S2AVE

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<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
Method: 9056						
TMW43102015	280-76331-3	AQ	N	METHOD	11/3/2015 9:50:00 AM	S2AVE
TMW43102015DUP	280-76331-3DUP	AQ	DUP	METHOD	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MS	280-76331-3MS	AQ	MS	METHOD	11/3/2015 9:50:00 AM	S2AVE
TMW43102015MSD	280-76331-3MSD	AQ	MSD	METHOD	11/3/2015 9:50:00 AM	S2AVE
TMW45102015	280-76331-5	AQ	N	METHOD	11/3/2015 12:50:00 PM	S2AVE



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Approved By:

Laboratory: TESTAME

<i>Client Sample ID</i>	<i>Lab Sample ID</i>	<i>Matrix</i>	<i>Sample Type</i>	<i>Preparation Method</i>	<i>Collection Date</i>	<i>Validation Code</i>
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Validation Label Legend

<i>Label Code</i>	<i>Label Description</i>	<i>EPA Level</i>
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A



Field QC Assignments and Associated Samples

EDD File Name: 280-76331-1
eQapp Name: FtWingate_Primary_120405

	Associated Samples	Sample Collection Date
Field QC DTW34102015 QC Type: FD		
	TMW34102015	11/3/2015 11:30:00 AM
Field QC DTW43102015 QC Type: FD		
	TMW43102015	11/3/2015 9:50:00 AM
Field QC TB-10-102015 QC Type: TB		
	DTW34102015	11/3/2015 11:30:00 AM
	DTW43102015	11/3/2015 9:50:00 AM
	MW22S102015	11/3/2015 7:41:00 AM
	SMW011102015	11/3/2015 9:10:00 AM
	TMW02102015	11/3/2015 1:40:00 PM
	TMW14A102015	11/3/2015 12:00:00 PM
	TMW17102015	11/3/2015 10:20:00 AM
	TMW34102015	11/3/2015 11:30:00 AM
	TMW40D102015	11/3/2015 9:00:00 AM
	TMW43102015	11/3/2015 9:50:00 AM
	TMW45102015	11/3/2015 12:50:00 PM
Field QC TB-11-102015 QC Type: TB		
	DTW34102015	11/3/2015 11:30:00 AM
	DTW43102015	11/3/2015 9:50:00 AM
	MW22S102015	11/3/2015 7:41:00 AM
	SMW011102015	11/3/2015 9:10:00 AM
	TMW02102015	11/3/2015 1:40:00 PM
	TMW14A102015	11/3/2015 12:00:00 PM
	TMW17102015	11/3/2015 10:20:00 AM
	TMW34102015	11/3/2015 11:30:00 AM
	TMW40D102015	11/3/2015 9:00:00 AM
	TMW43102015	11/3/2015 9:50:00 AM

Associated Samples	Sample Collection Date
TMW45102015	11/3/2015 12:50:00 PM
