CASE NARRATIVE
Client: Sundance Consulting, Inc.
Project: Fort Wingate, New Mexico
Report Number: 280-76268-1

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
Ten samples were received on 11/3/2015 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 11 coolers at receipt time were 0.3ºC, 0.6ºC, 0.6ºC, 0.7ºC, 1.5ºC, 1.6ºC, 1.7ºC, 1.9ºC, 2.2ºC, 2.6ºC and 3.1ºC.

Please note the Caprolactam data are reported under separate cover (280-76268-2), as the laboratory does not hold DOD ELAP certification for this compound.

In accordance with the client's instructions provided on 10/29/2015, the 8011 EDB analyses will be reported under a separate cover (280-76268-3).

No other anomalies were encountered during sample receipt.

GC/MS Volatiles - 8260B
Samples TB-08-102015 (280-76268-1), FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 11/10/2015 and 11/11/2015.

Sample MW18D102015 (280-76268-5) was received at the laboratory with insufficient preservation measuring pH of 4. The vials indicate they were preserved with hydrochloric acid. If samples are not preserved to a pH of 2.0 and analyses are performed outside a 7 day holding time, experimental evidence suggests that some aromatic compounds in wastewater samples, notably Benzene, Toluene, and Ethylbenzene are susceptible to biological degradation. The sample was analyzed within the normal 14 day holding time, but outside a 7 day holding time.

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

1,2,3-Trichlorobenzene was detected in method blank MB 280-303450/6 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.

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

GC/MS Semivolatiles - 8270D
Samples FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), TMW35102015 (280-76268-6), MW22S102015 (280-76268-7), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 11/04/2015 and analyzed on 11/24/2015.

Please note the Caprolactam data are reported under separate cover (280-76268-2), 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.

Surrogate Terphenyl-d14 was recovered below the QC control limits in samples MW22S102015 (280-76268-7), MW22D102015 (280-76268-8) and DMW20102015 (280-76268-10). No volume remained for sample MW22S102015 (280-76268-7). Upon re-extraction past hold time and reanalysis of sample MW22D102015 (280-76268-8), surrogate recoveries were 100% in control. Upon re-extraction past hold time and reanalysis of sample DMW20102015 (280-76268-10), surrogate recovery outliers were still present indicating the

outages are due to matrix interference. The in hold data have been reported. The associated data have been flagged “Q” in accordance with the DOD QSM.

Surrogate Terphenyl-d14 was recovered below the QC control limits in sample MW20102015 (280-76268-9). This anomaly is due to obvious matrix interference; therefore, corrective action is deemed unnecessary. The associated data have been flagged “Q” in accordance with the DOD QSM.

Benzyl alcohol was detected in method blank MB 280-302550/1-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 280-302550 was performed on sample MW20102015 (280-76268-9). The MS/MSD exhibited spike compound recoveries, RPD data and surrogate recoveries 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.

MS/MSD analyses for prep batch 280-305795 were not requested.

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

Gasoline Range Organics - 8015C

Samples TB-09-102015 (280-76268-2), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for gasoline range organics (GRO) in accordance with 8015C GRO. The samples were analyzed on 11/11/2015.

Sample MW18D102015 (280-76268-5) was received at the laboratory with insufficient preservation measuring pH of 6. The vials indicate they were preserved with hydrochloric acid. If samples are not preserved to a pH of 2.0 and analyses are performed outside a 7 day holding time, experimental evidence suggests that some aromatic compounds in wastewater samples are susceptible to biological degradation. The sample was analyzed within the normal 14 day holding time, but outside a 7 day holding time.

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

The Gasoline Range Organics (GRO) concentration reported for sample MW18D102015 (280-76268-5) is due to the presence of discrete peaks.

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

Diesel Range Organics - 8015C

Samples MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) 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.

Sample MW18D102015 (280-76268-5) formed emulsion during the extraction procedure. The emulsions were broken up by using pour backs.

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.

Organochlorine Pesticides - 8081A

Samples FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for Organochlorine Pesticides (GC) in accordance with SW846 8081A. The samples were prepared on 11/04/2015 and 11/09/2015 and analyzed on 11/07/2015 and 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.

The MS/MSD associated with prep batch 280-302540 was performed on sample MW20102015 (280-76268-9). The MS/MSD exhibited a spike compound recovery outside the QC control limits for Toxaphene. 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.

MS/MSD analyses for prep batch 280-303241 were not requested.

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

Explosives - 8330B

Samples FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), MW18D102015 (280-76268-5), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for Nitroaromatics and Nitramines (HPLC) in accordance with SW846 8330B. The samples were prepared on 11/05/2015 and analyzed on 11/17/2015 and 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.

Sample MW18D102015 (280-76268-5) required filtration to reduce matrix interferences.

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

2-Amino-4,6-dinitrotoluene was detected in method blank MB 280-302679/1-A at a level less than the reporting limit on the confirmation column. The primary column result was ND; therefore, the method blank is ND. The value should be considered an estimate, and has been flagged "J" in accordance with the DOD QSM. If the associated sample reported a result above the MDL and/or RL, the result has been flagged "B".

o-Nitrotoluene was detected in method blank MB 280-302679/1-A at a level that was less than one half the reporting limit on the confirmation column; 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 280-302679 was performed on sample MW20102015 (280-76268-9). The MS/MSD exhibited a spike compound recovery 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 MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for Perchlorate in accordance with 6860. The samples were analyzed on 11/21/2015.

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, sample DMW20102015 (280-76268-10) had to be analyzed at a dilution. The reporting limits and method detection limits have been adjusted relative to the dilution required.

The MS/MSD associated with analytical batch 280-305017 was performed on sample MW20102015 (280-76268-9). The MS/MSD spike compound recoveries and RPD data could not be reliably calculated for Perchlorate 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 - 6010C

Samples FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for Total Metals (ICP) in accordance with 6010C. The samples were prepared on 11/06/2015 and 11/20/2015 and analyzed on 11/17/2015, 11/20/2015, 11/21/2015 and 11/24/2015.

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 FW3112015 (280-76268-4), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10), had to be analyzed at dilutions. The reporting limits and method detection limits have been adjusted relative to the dilutions required.

The instrument blank for analytical batch 280-305418 contained Sodium greater than the reporting limit. Associated samples were not reanalyzed because they are 10X the blank contamination.

The MS/MSD associated with prep batch 280-302407 was performed on sample MW20102015 (280-76268-9). The MS/MSD exhibited a spike compound recovery outside the QC control limits for Potassium. In addition, the MS/MSD spike compound recoveries and RPD data could not be reliably calculated for Calcium 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 have been flagged "J" in accordance with the DOD QSM.

The MS/MSD associated with prep batch 280-304933 was performed on sample MW20102015 (280-76268-9). 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.

The post digestion spike (PDS) and serial dilution (SD) associated with prep batch 280-302407 was performed on sample MW20102015 (280-76268-9). The PDS exhibited a percent recovery outside the control limits for Calcium; however, the SD performed on this sample was in control.

The post digestion spike (PDS) and serial dilution (SD) associated with prep batch 280-304933 was performed on sample MW20102015 (280-76268-9). The SD was not calculable and the PDS exhibited a percent recovery outside the control limits for Sodium. The associated data in the parent sample has been flagged “J” in accordance with the DOD QSM.

The Continuing Calibration Verification (CCV) associated with analytical batch 280-305418 recovered above the upper control limit for low line Sodium. The MB associated with this CCV was less than 1/2 the RL for the affected analyte; therefore, the data have been reported.

The closing CCVL for Sodium bracketing sample FW31102015EQU002 (280-76268-3) was above the control limits for analytical batch 280-305418. The sample concentration is greater than 10X the reporting limit and is reported from the high line Sodium which was in control.

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

Dissolved Metals - 6010C

Samples FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for Dissolved Metals (ICP) in accordance with SW 846 6010C. The samples were prepared on 11/09/2015 and analyzed on 11/19/2015 and 11/20/2015.

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 FW3112015 (280-76268-4), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10), had to be analyzed at dilutions. The reporting limits and method detection limits have been adjusted relative to the dilutions required.

The instrument blank (CCB) for analytical batch 280-305005 contained Sodium greater than the LOD. Associated samples were not reanalyzed because they are 10X greater than the blank detection or less than 1/2 the reporting limit.

Magnesium and Sodium were detected in method blank MB 280-302965/1-A at levels that were less than one half the reporting limits; therefore, corrective action was deemed unnecessary. The values should be considered estimates, and have been flagged “J” in accordance with the DOD QSM.

The MS/MSD associated with prep batch 280-302965 was performed on sample MW20102015 (280-76268-9). The MS/MSD spike compound recoveries and RPD data could not be reliably calculated for Calcium and Sodium because the sample concentrations were 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 have been flagged “J” in accordance with the DOD QSM.

The post digestion spike (PDS) and serial dilution (SD) associated with prep batch 280-302965 was performed on sample MW20102015 (280-76268-9). The PDS exhibited percent recoveries outside the control limits for Calcium and Sodium; however, the SD performed on this sample was in control.

The Continuing Calibration Verification (CCV) and CCVL associated with analytical batch 280-305005 recovered above the upper control limit for low line Sodium. The MB associated with this CCV and CCVL was less than 1/2 the reporting limit. The samples within this bracket all came from the high line and were greater than 10X the reporting limit.

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

Total Metals - 6020A

Samples FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for total metals (ICPMS) in accordance with SW846 6020A. The samples were prepared on 11/05/2015 and analyzed on 11/06/2015 and 11/10/2015.

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

The MS/MSD associated with prep batch 280-302408 was performed on sample MW20102015 (280-76268-9). The MS/MSD spike

compound recoveries and RPD data could not be reliably calculated for Manganese 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 have been flagged "J" in accordance with the DOD QSM.

The low level Continuing Calibration Verification (CCVL) associated with analytical batch 280-303496 recovered above the upper control limit for Barium and Manganese. The samples associated with this CCVL were either <LOD or >10X the level of the CCVL for the affected analytes; 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.

Dissolved Metals - 6020A

Samples FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for dissolved metals (ICPMS) in accordance with SW 846 6020A. The samples were prepared on 11/05/2015 and analyzed on 11/06/2015.

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

The MS/MSD associated with prep batch 280-302622 was performed on sample MW20102015 (280-76268-9). The MS/MSD exhibited a spike compound recovery outside the QC control limits for Zinc. In addition, the MS/MSD spike compound recoveries and RPD data could not be reliably calculated for Manganese 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 have been flagged "J" in accordance with the DOD QSM.

The low level Continuing Calibration Verification (CCVL) associated with analytical batch 280-302962 recovered above the upper control limit for Manganese. The samples associated with this CCVL were >10X the level of the CCVL 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.

Total Mercury - 7470A

Samples FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for mercury in accordance with SW 846 7470A. The samples were prepared and analyzed on 11/16/2015.

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.

Dissolved Mercury - 7470A

Samples FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for dissolved mercury in accordance with SW 846 7470A. The samples were prepared and analyzed on 11/16/2015.

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 FW31102015EQU002 (280-76268-3), FW3112015 (280-76268-4), MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) were analyzed for anions by ion chromatography in accordance with SW 846 9056. The samples were analyzed on 11/03/2015 and 11/04/2015.

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 MW18D102015 (280-76268-5), TMW35102015 (280-76268-6), MW22D102015 (280-76268-8), MW20102015 (280-76268-9) and DMW20102015 (280-76268-10) 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.

Field QC Assignments and Associated Samples

EDD File Name: 280-76268-1
eQapp Name: FtWingate_Primary_120405

	Associated Samples	Sample Collection Date
Field QC Sample: DMW20102015 **QC Type:** FD		
	MW20102015	11/2/2015 10:30:00 AM
Field QC Sample: FW31102015EQU002 **QC Type:** EB		
	DMW20102015	11/2/2015 10:30:00 AM
	FW3112015	11/2/2015 11:05:00 AM
	MW18D102015	11/2/2015 12:30:00 PM
	MW20102015	11/2/2015 10:30:00 AM
	MW22D102015	11/2/2015 12:10:00 PM
	MW22S102015	11/2/2015 11:15:00 AM
	TMW35102015	11/2/2015 9:55:00 AM
Field QC Sample: TB-08-102015 **QC Type:** TB		
	DMW20102015	11/2/2015 10:30:00 AM
	FW3112015	11/2/2015 11:05:00 AM
	MW18D102015	11/2/2015 12:30:00 PM
	MW20102015	11/2/2015 10:30:00 AM
	MW22D102015	11/2/2015 12:10:00 PM
	MW22S102015	11/2/2015 11:15:00 AM
	TMW35102015	11/2/2015 9:55:00 AM
Field QC Sample: TB-09-102015 **QC Type:** TB		
	DMW20102015	11/2/2015 10:30:00 AM
	FW3112015	11/2/2015 11:05:00 AM
	MW18D102015	11/2/2015 12:30:00 PM
	MW20102015	11/2/2015 10:30:00 AM
	MW22D102015	11/2/2015 12:10:00 PM
	MW22S102015	11/2/2015 11:15:00 AM
	TMW35102015	11/2/2015 9:55:00 AM

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: DMW20102015								
BENZIDINE	8270D	RES	110	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016 13:48
Reason for change: rejecting								
BENZIDINE	8270D	RES	110	ug/L	Matrix Spike Lower Rejection		R	1/8/2016 13:49
Reason for change: zero recovery MS and MSD								
CALCIUM	6010C	RES/DIS	310000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 13:56
Reason for change: 4X rule								
CALCIUM	6010C	RES/TOT	330000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 13:56
Reason for change: 4X rule								
MANGANESE	6020A	RE2/TOT	1800	ug/L	Matrix Spike Upper Estimation	J		1/8/2016 14:00
Reason for change: 4X rule								
MANGANESE	6020A	RES/DIS	1700	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 14:01
Reason for change: 4X rule								
MANGANESE	6020A	RES/DIS	1700	ug/L	Matrix Spike Upper Estimation	J		1/8/2016 14:01
Reason for change: 4X rule								
PERCHLORATE	6860	RES	0.26	ug/L	Matrix Spike Upper Estimation	J		1/8/2016 13:54
Reason for change: 4X rule								
SODIUM	6010C	RE2/DIS	3800000	ug/L	Matrix Spike Lower Rejection	J		1/8/2016 13:56
Reason for change: 4X rule								
SODIUM	6010C	RE5/TOT	4400000	ug/L	Matrix Spike Upper Estimation	J		1/8/2016 13:56
Reason for change: 4X rule								

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: DMW20102015									
SODIUM	6010C	RE5/TOT	4400000	ug/L	Matrix Spike Precision	J		1/8/2016	13:58
Reason for change: 4X rule									
Field Sample ID: FW31102015EQU002									
BENZIDINE	8270D	RES	99	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016	13:48
Reason for change: rejecting									
BENZIDINE	8270D	RES	99	ug/L	Matrix Spike Lower Rejection		R	1/8/2016	13:49
Reason for change: zero recovery MS and MSD									
CALCIUM	6010C	RES/DIS	130	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
CALCIUM	6010C	RES/TOT	160	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
MANGANESE	6020A	RES/DIS	0.31	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	14:01
Reason for change: 4X rule									
MANGANESE	6020A	RES/DIS	0.31	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	14:01
Reason for change: 4X rule									
SODIUM	6010C	RE3/DIS	440	ug/L	Matrix Spike Lower Rejection	J		1/8/2016	13:56
Reason for change: 4X rule									
SODIUM	6010C	RE4/TOT	150000	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
SODIUM	6010C	RE4/TOT	150000	ug/L	Matrix Spike Precision	J		1/8/2016	13:58
Reason for change: 4X rule									

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: FW3112015									
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016	13:48
Reason for change: rejecting									
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Rejection		R	1/8/2016	13:49
Reason for change: zero recovery MS and MSD									
CALCIUM	6010C	RES/DIS	7100	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
CALCIUM	6010C	RES/TOT	6900	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
MANGANESE	6020A	RE2/TOT	48	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	14:00
Reason for change: 4X rule									
MANGANESE	6020A	RES/DIS	4.0	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	14:01
Reason for change: 4X rule									
MANGANESE	6020A	RES/DIS	4.0	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	14:01
Reason for change: 4X rule									
SODIUM	6010C	RE2/DIS	480000	ug/L	Matrix Spike Lower Rejection	J		1/8/2016	13:56
Reason for change: 4X rule									
SODIUM	6010C	RE4/TOT	640000	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
SODIUM	6010C	RE4/TOT	640000	ug/L	Matrix Spike Precision	J		1/8/2016	13:58
Reason for change: 4X rule									
Field Sample ID: MW18D102015									
1,1,1,2-TETRACHLOROETHANE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: MW18D102015									
1,1,1-TRICHLOROETHANE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,1,2,2-TETRACHLOROETHANE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	8260B	RES	1.6	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,1,2-TRICHLOROETHANE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,1-DICHLOROETHANE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,1-DICHLOROETHENE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,1-DICHLOROPROPENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,2,3-TRICHLOROBENZENE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,2,3-TRICHLOROPROPANE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,2,4-TRICHLOROBENZENE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,2,4-TRIMETHYLBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: MW18D102015									
1,2-DIBROMO-3-CHLOROPROPANE	8260B	RES	1.6	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,2-DIBROMOETHANE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,2-DICHLOROBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,2-DICHLOROETHANE	8260B	DL	95	ug/L	Extraction to Analysis Estimatior		J	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,2-DICHLOROPROPANE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,3,5-TRIMETHYLBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,3-DICHLOROBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,3-DICHLOROPROPANE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
1,4-DICHLOROBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
2,2-DICHLOROPROPANE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
2-BUTANONE	8260B	RES	4.0	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: MW18D102015									
2-CHLOROTOLUENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
2-HEXANONE	8260B	RES	4.0	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
4-CHLOROTOLUENE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
4-METHYL-2-PENTANONE	8260B	RES	3.2	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
ACETONE	8260B	RES	5.4	ug/L	Extraction to Analysis Estimatior		J	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
BENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
BROMOBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
BROMOCHLOROMETHANE	8260B	RES	0.20	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
BROMODICHLOROMETHANE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
BROMOFORM	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
BROMOMETHANE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: MW18D102015									
CALCIUM	6010C	RES/DIS	72000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	13:56
Reason for change:	4X rule								
CALCIUM	6010C	RES/TOT	72000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	13:56
Reason for change:	4X rule								
CARBON DISULFIDE	8260B	RES	1.6	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
CARBON TETRACHLORIDE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
CHLOROBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
CHLOROETHANE	8260B	RES	1.6	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
CHLOROFORM	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
CHLOROMETHANE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
CIS-1,2-DICHLOROETHENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
CIS-1,3-DICHLOROPROPENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
CUMENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: MW18D102015									
DIBROMOCHLOROMETHANE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
DIBROMOMETHANE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
DICHLORODIFLUOROMETHANE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
ETHYLBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
GASOLINE RANGE ORGANICS	8015C GRO	RES	39	ug/L	Extraction to Analysis Estimatior		J	1/8/2016	13:49
Reason for change: HT >7<14 sample Ph 4 vs 2									
GASOLINE RANGE ORGANICS	8015C GRO	RES	39	ug/L	Professional Judgment		J	1/8/2016	13:50
Reason for change: dection based on discrete peaks									
HEXACHLOROBUTADIENE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
m,p-Xylene	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
MANGANESE	6020A	RE2/TOT	740	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	14:00
Reason for change: 4X rule									
MANGANESE	6020A	RES/DIS	580	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	14:01
Reason for change: 4X rule									
MANGANESE	6020A	RES/DIS	580	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	14:01
Reason for change: 4X rule									

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: MW18D102015									
METHYL ACETATE	8260B	RES	4.0	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
METHYL TERT-BUTYL ETHER	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
Methylcyclohexane	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
METHYLENE CHLORIDE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
NAPHTHALENE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
N-BUTYLBENZENE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
N-PROPYLBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
O-XYLENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
P-ISOPROPYLTOLUENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
SEC-BUTYLBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change:	HT >7<14 sample Ph 4 vs 2								
SODIUM	6010C	RE2/DIS	2000000	ug/L	Matrix Spike Lower Rejection	J		1/8/2016	13:56
Reason for change:	4X rule								

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: MW18D102015									
SODIUM	6010C	RE4/TOT	1900000	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
SODIUM	6010C	RE4/TOT	1900000	ug/L	Matrix Spike Precision	J		1/8/2016	13:58
Reason for change: 4X rule									
STYRENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
TERT-BUTYLBENZENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
TETRACHLOROETHENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
TOLUENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
TRANS-1,2-DICHLOROETHENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
TRANS-1,3-DICHLOROPROPENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
TRICHLOROETHENE	8260B	RES	0.40	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
TRICHLOROFLUOROMETHANE	8260B	RES	0.80	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									
VINYL CHLORIDE	8260B	RES	0.20	ug/L	Extraction to Analysis Estimatior		UJ	1/8/2016	13:45
Reason for change: HT >7<14 sample Ph 4 vs 2									

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: MW20102015									
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016	13:48
Reason for change: rejecting									
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Rejection		R	1/8/2016	13:49
Reason for change: zero recovery MS and MSD									
CALCIUM	6010C	RES/DIS	330000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
CALCIUM	6010C	RES/TOT	340000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
MANGANESE	6020A	RE2/TOT	1800	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	14:00
Reason for change: 4X rule									
MANGANESE	6020A	RES/DIS	1700	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	14:01
Reason for change: 4X rule									
MANGANESE	6020A	RES/DIS	1700	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	14:01
Reason for change: 4X rule									
PERCHLORATE	6860	RES	0.27	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	13:54
Reason for change: 4X rule									
SODIUM	6010C	RE2/DIS	4100000	ug/L	Matrix Spike Lower Rejection	J		1/8/2016	13:56
Reason for change: 4X rule									
SODIUM	6010C	RE5/TOT	4100000	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
SODIUM	6010C	RE5/TOT	4100000	ug/L	Matrix Spike Precision	J		1/8/2016	13:58
Reason for change: 4X rule									

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time
Field Sample ID: MW20102015								
SODIUM	6010C	RE5/TOT	4100000	ug/L	Professional Judgment		J	1/8/2016 13:58
Reason for change: post spike failed.								
Field Sample ID: MW22D102015								
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016 13:48
Reason for change: rejecting								
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Rejection		R	1/8/2016 13:49
Reason for change: zero recovery MS and MSD								
CALCIUM	6010C	RES/DIS	89000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 13:56
Reason for change: 4X rule								
CALCIUM	6010C	RES/TOT	90000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 13:56
Reason for change: 4X rule								
MANGANESE	6020A	RE2/TOT	150	ug/L	Matrix Spike Upper Estimation	J		1/8/2016 14:00
Reason for change: 4X rule								
MANGANESE	6020A	RES/DIS	130	ug/L	Matrix Spike Lower Estimation	J		1/8/2016 14:01
Reason for change: 4X rule								
MANGANESE	6020A	RES/DIS	130	ug/L	Matrix Spike Upper Estimation	J		1/8/2016 14:01
Reason for change: 4X rule								
PERCHLORATE	6860	RES	0.45	ug/L	Matrix Spike Upper Estimation	J		1/8/2016 13:54
Reason for change: 4X rule								
SODIUM	6010C	RE2/DIS	1200000	ug/L	Matrix Spike Lower Rejection	J		1/8/2016 13:56
Reason for change: 4X rule								
SODIUM	6010C	RE4/TOT	1400000	ug/L	Matrix Spike Upper Estimation	J		1/8/2016 13:56
Reason for change: 4X rule								

Analyte	Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: MW22D102015									
SODIUM	6010C	RE4/TOT	1400000	ug/L	Matrix Spike Precision	J		1/8/2016	13:58
Reason for change: 4X rule									
Field Sample ID: MW22S102015									
BENZIDINE	8270D	RES	110	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016	13:48
Reason for change: rejecting									
BENZIDINE	8270D	RES	110	ug/L	Matrix Spike Lower Rejection		R	1/8/2016	13:49
Reason for change: zero recovery MS and MSD									
Field Sample ID: TMW35102015									
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Estimation	UJ		1/8/2016	13:48
Reason for change: rejecting									
BENZIDINE	8270D	RES	100	ug/L	Matrix Spike Lower Rejection		R	1/8/2016	13:49
Reason for change: zero recovery MS and MSD									
CALCIUM	6010C	RES/DIS	80000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
CALCIUM	6010C	RES/TOT	77000	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	13:56
Reason for change: 4X rule									
MANGANESE	6020A	RE2/TOT	160	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	14:00
Reason for change: 4X rule									
MANGANESE	6020A	RES/DIS	130	ug/L	Matrix Spike Lower Estimation	J		1/8/2016	14:01
Reason for change: 4X rule									
MANGANESE	6020A	RES/DIS	130	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	14:01
Reason for change: 4X rule									

Analyte		Method	Analysis Type	Result	Unit	Reason Code	Original Value	New Value	Edit Time	
Field Sample ID: TMW35102015										
PERCHLORATE		6860	RES	0.054	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	13:54
Reason for change:	4X rule									
SODIUM		6010C	RE2/DIS	1200000	ug/L	Matrix Spike Lower Rejection	J		1/8/2016	13:56
Reason for change:	4X rule									
SODIUM		6010C	RE4/TOT	1400000	ug/L	Matrix Spike Upper Estimation	J		1/8/2016	13:56
Reason for change:	4X rule									
SODIUM		6010C	RE4/TOT	1400000	ug/L	Matrix Spike Precision	J		1/8/2016	13:58
Reason for change:	4X rule									

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: GENCHEM

Method: 9056 **Matrix: AQ**

Sample ID: DMW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NITRITE	1.7	J D	0.50	LOD	2.5	LOQ	mg/L	J	Rl

Sample ID: FW3112015 **Collected:** 11/2/2015 11:05:00 AM **Analysis Type:** RES/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NITRATE	0.077	J	0.10	LOD	0.50	LOQ	mg/L	J	Rl

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES/TOT **Dilution:** 5

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NITRITE	2.1	J D	0.50	LOD	2.5	LOQ	mg/L	J	Rl

Method Category: METALS

Method: 6010C **Matrix: AQ**

Sample ID: DMW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RE2/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	5600		940	LOD	3000	LOQ	ug/L	UJ	Ms, Eb

Sample ID: DMW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RE4/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	52	J	85	LOD	100	LOQ	ug/L	J	Rl

Sample ID: DMW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	85	U	85	LOD	100	LOQ	ug/L	UJ	Fd

Sample ID: FW31102015EQU002 **Collected:** 11/2/2015 9:30:00 AM **Analysis Type:** RE2/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	37	J	70	LOD	300	LOQ	ug/L	J	Rl
POTASSIUM	1300	J	940	LOD	3000	LOQ	ug/L	J	Rl, Ms

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: METALS

Method: 6010C **Matrix:** AQ

Sample ID: FW31102015EQU002 **Collected:** 11/2/2015 9:30:00 AM **Analysis Type:** RE3/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	440	J	350	LOD	5000	LOQ	ug/L	U	Mb

Sample ID: FW31102015EQU002 **Collected:** 11/2/2015 9:30:00 AM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	130	J	140	LOD	1000	LOQ	ug/L	J	Rl
MAGNESIUM	14	J	40	LOD	500	LOQ	ug/L	U	Mb

Sample ID: FW31102015EQU002 **Collected:** 11/2/2015 9:30:00 AM **Analysis Type:** RES/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CALCIUM	160	J	140	LOD	1000	LOQ	ug/L	J	Rl

Sample ID: FW3112015 **Collected:** 11/2/2015 11:05:00 AM **Analysis Type:** RE2/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	2300	J	940	LOD	3000	LOQ	ug/L	UJ	Ms, Eb

Sample ID: FW3112015 **Collected:** 11/2/2015 11:05:00 AM **Analysis Type:** RE3/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ALUMINUM	51	J	70	LOD	300	LOQ	ug/L	J	Rl

Sample ID: FW3112015 **Collected:** 11/2/2015 11:05:00 AM **Analysis Type:** RE4/TOT **Dilution:** 20

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	640000	D	7000	LOD	100000	LOQ	ug/L	U	Eb

Sample ID: FW3112015 **Collected:** 11/2/2015 11:05:00 AM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	37	J	85	LOD	100	LOQ	ug/L	J	Rl
POTASSIUM	1600	J	940	LOD	3000	LOQ	ug/L	J	Rl

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: METALS

Method: 6010C **Matrix:** AQ

Sample ID: MW18D102015 **Collected:** 11/2/2015 12:30:00 PM **Analysis Type:** RE2/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	3300		940	LOD	3000	LOQ	ug/L	UJ	Ms, Eb

Sample ID: MW18D102015 **Collected:** 11/2/2015 12:30:00 PM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	23	J	85	LOD	100	LOQ	ug/L	J	Rl
POTASSIUM	1700	J	940	LOD	3000	LOQ	ug/L	J	Rl

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RE2/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	4600		940	LOD	3000	LOQ	ug/L	UJ	Ms, Eb

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RE4/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	49	J	85	LOD	100	LOQ	ug/L	J	Rl

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RE5/TOT **Dilution:** 50

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
SODIUM	4100000	D J	18000	LOD	250000	LOQ	ug/L	J	ProfJudg

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	22	J	85	LOD	100	LOQ	ug/L	J	Rl, Fd

Sample ID: MW22D102015 **Collected:** 11/2/2015 12:10:00 PM **Analysis Type:** RE2/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	1200	J	940	LOD	3000	LOQ	ug/L	UJ	Ms, Eb

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: METALS

Method: 6010C **Matrix:** AQ

Sample ID: MW22D102015 **Collected:** 11/2/2015 12:10:00 PM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	22	J	85	LOD	100	LOQ	ug/L	J	Rl
POTASSIUM	720	J	940	LOD	3000	LOQ	ug/L	J	Rl

Sample ID: TMW35102015 **Collected:** 11/2/2015 9:55:00 AM **Analysis Type:** RE2/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
POTASSIUM	980	J	940	LOD	3000	LOQ	ug/L	UJ	Ms, Eb

Sample ID: TMW35102015 **Collected:** 11/2/2015 9:55:00 AM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
IRON	36	J	85	LOD	100	LOQ	ug/L	J	Rl
POTASSIUM	920	J	940	LOD	3000	LOQ	ug/L	J	Rl

Method Category: METALS

Method: 6020A **Matrix:** AQ

Sample ID: DMW20102015 **Collected:** 11/2/2015 10:30:00 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	0.43	J	1.0	LOD	5.0	LOQ	ug/L	J	Rl
BERYLLIUM	0.15	J	0.30	LOD	1.0	LOQ	ug/L	J	Rl
NICKEL	3.2		1.0	LOD	3.0	LOQ	ug/L	U	Eb
THALLIUM	0.058	J	0.20	LOD	1.0	LOQ	ug/L	U	Eb
VANADIUM	0.60	J	2.0	LOD	6.0	LOQ	ug/L	J	Rl
ZINC	84		8.0	LOD	20	LOQ	ug/L	J	Ms

Sample ID: DMW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.38	J	0.30	LOD	1.0	LOQ	ug/L	J	Rl, Fd
CHROMIUM	0.65	J	1.8	LOD	10	LOQ	ug/L	J	Rl, Fd
SILVER	0.10	J	0.10	LOD	5.0	LOQ	ug/L	UJ	Fd, Eb
THALLIUM	0.096	J	0.20	LOD	1.0	LOQ	ug/L	UJ	Fd, Eb

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: METALS

Method: 6020A **Matrix:** AQ

Sample ID: FW31102015EQU002 **Collected:** 11/2/2015 9:30:00 AM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
MANGANESE	0.31	J	0.95	LOD	3.5	LOQ	ug/L	J	RI
NICKEL	0.77	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
SILVER	0.17	J	0.10	LOD	5.0	LOQ	ug/L	J	RI
THALLIUM	0.062	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
ZINC	8.0	U	8.0	LOD	20	LOQ	ug/L	UJ	Ms

Sample ID: FW31102015EQU002 **Collected:** 11/2/2015 9:30:00 AM **Analysis Type:** RES/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.52	J	1.0	LOD	6.0	LOQ	ug/L	J	RI
SILVER	0.045	J	0.10	LOD	5.0	LOQ	ug/L	J	RI
THALLIUM	0.088	J	0.20	LOD	1.0	LOQ	ug/L	J	RI

Sample ID: FW3112015 **Collected:** 11/2/2015 11:05:00 AM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	0.59	J	1.8	LOD	10	LOQ	ug/L	J	RI
COPPER	0.73	J	1.8	LOD	2.0	LOQ	ug/L	J	RI
LEAD	0.37	J	0.70	LOD	3.0	LOQ	ug/L	J	RI
NICKEL	0.55	J	1.0	LOD	3.0	LOQ	ug/L	U	Eb
ZINC	3.1	J	8.0	LOD	20	LOQ	ug/L	J	RI, Ms

Sample ID: FW3112015 **Collected:** 11/2/2015 11:05:00 AM **Analysis Type:** RES/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
CHROMIUM	2.2	J	1.8	LOD	10	LOQ	ug/L	J	RI
COBALT	0.46	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.0	J	1.8	LOD	2.0	LOQ	ug/L	J	RI
LEAD	0.66	J	0.70	LOD	3.0	LOQ	ug/L	J	RI
NICKEL	1.4	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
SILVER	0.14	J	0.10	LOD	5.0	LOQ	ug/L	U	Eb
THALLIUM	0.052	J	0.20	LOD	1.0	LOQ	ug/L	U	Eb
ZINC	6.2	J	8.0	LOD	20	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: METALS

Method: 6020A **Matrix:** AQ

Sample ID: MW18D102015 **Collected:** 11/2/2015 12:30:00 PM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	0.92	J	1.0	LOD	6.0	LOQ	ug/L	J	Rl
ARSENIC	1.7	J	1.0	LOD	5.0	LOQ	ug/L	J	Rl
COBALT	0.78	J	0.20	LOD	1.0	LOQ	ug/L	J	Rl
COPPER	1.8	J	1.8	LOD	2.0	LOQ	ug/L	J	Rl
NICKEL	3.2		1.0	LOD	3.0	LOQ	ug/L	U	Eb
SELENIUM	0.82	J	2.0	LOD	5.0	LOQ	ug/L	J	Rl
SILVER	0.039	J	0.10	LOD	5.0	LOQ	ug/L	U	Eb
ZINC	110		8.0	LOD	20	LOQ	ug/L	J	Ms

Sample ID: MW18D102015 **Collected:** 11/2/2015 12:30:00 PM **Analysis Type:** RES/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ANTIMONY	1.3	J	1.0	LOD	6.0	LOQ	ug/L	U	Eb
ARSENIC	2.4	J	1.0	LOD	5.0	LOQ	ug/L	J	Rl
BERYLLIUM	0.29	J	0.30	LOD	1.0	LOQ	ug/L	J	Rl
CADMIUM	0.32	J	1.0	LOD	1.0	LOQ	ug/L	J	Rl
CHROMIUM	6.6	J	1.8	LOD	10	LOQ	ug/L	J	Rl
SILVER	0.27	J	0.10	LOD	5.0	LOQ	ug/L	J	Rl
THALLIUM	0.089	J	0.20	LOD	1.0	LOQ	ug/L	U	Eb

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
NICKEL	3.3		1.0	LOD	3.0	LOQ	ug/L	U	Eb
ZINC	80	J	8.0	LOD	20	LOQ	ug/L	J	Ms

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BERYLLIUM	0.30	U	0.30	LOD	1.0	LOQ	ug/L	UJ	Fd
CHROMIUM	1.8	U	1.8	LOD	10	LOQ	ug/L	UJ	Fd
SILVER	0.036	J	0.10	LOD	5.0	LOQ	ug/L	UJ	Fd, Eb
THALLIUM	0.20	U	0.20	LOD	1.0	LOQ	ug/L	UJ	Fd

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: METALS

Method: 6020A **Matrix:** AQ

Sample ID: MW22D102015 **Collected:** 11/2/2015 12:10:00 PM **Analysis Type:** RES/DIS **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.18	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.0	J	1.8	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	0.98	J	1.0	LOD	3.0	LOQ	ug/L	U	Eb
VANADIUM	1.2	J	2.0	LOD	6.0	LOQ	ug/L	J	RI
ZINC	7.4	J	8.0	LOD	20	LOQ	ug/L	J	RI, Ms

Sample ID: MW22D102015 **Collected:** 11/2/2015 12:10:00 PM **Analysis Type:** RES/TOT **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
COBALT	0.17	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
COPPER	0.96	J	1.8	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.1	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
VANADIUM	0.94	J	2.0	LOD	6.0	LOQ	ug/L	J	RI
ZINC	9.0	J	8.0	LOD	20	LOQ	ug/L	J	RI

Sample ID: TMW35102015 **Collected:** 11/2/2015 9:55:00 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	0.35	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
COBALT	0.17	J	0.20	LOD	1.0	LOQ	ug/L	J	RI
COPPER	1.5	J	1.8	LOD	2.0	LOQ	ug/L	J	RI
NICKEL	1.2	J	1.0	LOD	3.0	LOQ	ug/L	U	Eb
VANADIUM	1.9	J	2.0	LOD	6.0	LOQ	ug/L	J	RI
ZINC	8.0	U	8.0	LOD	20	LOQ	ug/L	UJ	Ms

Sample ID: TMW35102015 **Collected:** 11/2/2015 9:55:00 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	0.43	J	1.0	LOD	5.0	LOQ	ug/L	J	RI
COBALT	0.18	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	0.71	J	1.0	LOD	3.0	LOQ	ug/L	J	RI
VANADIUM	2.0	J	2.0	LOD	6.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: METALS

Method: 7470A **Matrix: AQ**

Sample ID: MW18D102015 **Collected:** 11/2/2015 12:30:00 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	0.037	J	0.080	LOD	0.20	LOQ	ug/L	J	RI

Method Category: SVOA

Method: 6860 **Matrix: AQ**

Sample ID: DMW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES **Dilution:** 2

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PERCHLORATE	0.26	D	0.020	LOD	0.10	LOQ	ug/L	J	Ms, Ms

Sample ID: MW18D102015 **Collected:** 11/2/2015 12:30:00 PM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PERCHLORATE	0.010	U	0.010	LOD	0.050	LOQ	ug/L	UJ	Ms, Ms

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PERCHLORATE	0.27	J	0.010	LOD	0.050	LOQ	ug/L	J	Ms, Ms

Sample ID: MW22D102015 **Collected:** 11/2/2015 12:10:00 PM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PERCHLORATE	0.45		0.010	LOD	0.050	LOQ	ug/L	J	Ms, Ms

Sample ID: TMW35102015 **Collected:** 11/2/2015 9:55:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
PERCHLORATE	0.054		0.010	LOD	0.050	LOQ	ug/L	J	Ms, Ms

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

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

Sample ID: MW22D102015 **Collected:** 11/2/2015 12:10:00 PM **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	0.072	J M	0.12	LOD	0.24	LOQ	mg/L	J	RI

Sample ID: TMW35102015 **Collected:** 11/2/2015 9:55:00 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	0.076	J M	0.13	LOD	0.27	LOQ	mg/L	J	RI

Method Category: SVOA
Method: 8015C GRO **Matrix:** AQ

Sample ID: MW18D102015 **Collected:** 11/2/2015 12:30:00 PM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
GASOLINE RANGE ORGANICS	39	M	25	LOD	25	LOQ	ug/L	J	EtoA, ProfJudg

Method Category: SVOA
Method: 8081A **Matrix:** AQ

Sample ID: FW31102015EQU002 **Collected:** 11/2/2015 9:30:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOXAPHENE	0.76	U	0.76	LOD	4.8	LOQ	ug/L	UJ	Ms

Sample ID: FW3112015 **Collected:** 11/2/2015 11:05:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOXAPHENE	0.82	U	0.82	LOD	5.1	LOQ	ug/L	UJ	Ms

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOXAPHENE	0.82	U J	0.82	LOD	5.1	LOQ	ug/L	UJ	Ms

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: SVOA

Method: 8081A **Matrix: AQ**

Sample ID: MW22D102015 **Collected:** 11/2/2015 12:10:00 PM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOXAPHENE	0.84	U	0.84	LOD	5.3	LOQ	ug/L	UJ	Ms

Sample ID: TMW35102015 **Collected:** 11/2/2015 9:55:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
TOXAPHENE	0.80	U	0.80	LOD	5.0	LOQ	ug/L	UJ	Ms

Method Category: SVOA

Method: 8270D **Matrix: AQ**

Sample ID: DMW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DIMETHYLPHENOL	2.2	U	2.2	LOD	11	LOQ	ug/L	UJ	Ms

Sample ID: DMW20102015 **Collected:** 11/2/2015 10:30:00 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
1,2-DIPHENYLHYDRAZINE	0.26	J	0.57	LOD	11	LOQ	ug/L	J	Rl, Fd
2-NITROANILINE	4.9	U	4.9	LOD	56	LOQ	ug/L	UJ	Ms
3,3'-DICHLOROBENZIDINE	4.9	U	4.9	LOD	56	LOQ	ug/L	UJ	Ms
3-NITROANILINE	4.9	U	4.9	LOD	56	LOQ	ug/L	UJ	Ms, Ms
4-CHLOROANILINE	4.9	U	4.9	LOD	28	LOQ	ug/L	UJ	Ms, Ms
4-NITROANILINE	4.9	U	4.9	LOD	56	LOQ	ug/L	UJ	Ms
ACETOPHENONE	0.29	J	5.6	LOD	11	LOQ	ug/L	UJ	Fd, Eb
BENZIDINE	110	U Q	110	LOD	220	LOQ	ug/L	R	Ms
BENZYL ALCOHOL	0.43	J	0.56	LOD	28	LOQ	ug/L	UJ	Mb, Fd, Eb
BIS(2-ETHYLHEXYL) PHTHALATE	1.6	J	2.2	LOD	11	LOQ	ug/L	J	Rl, Fd
DIMETHYL PHTHALATE	0.26	J	0.56	LOD	22	LOQ	ug/L	J	Rl, Fd
FLUORANTHENE	0.22	J Q	0.56	LOD	22	LOQ	ug/L	J	Rl, Fd
ISOPHORONE	0.28	J	0.56	LOD	11	LOQ	ug/L	J	Rl, Fd

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: SVOA

Method: 8270D **Matrix:** AQ

Sample ID: FW31102015EQU002 **Collected:** 11/2/2015 9:30:00 AM **Analysis Type:** RES-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DIMETHYLPHENOL	2.0	U	2.0	LOD	9.9	LOQ	ug/L	UJ	Ms

Sample ID: FW31102015EQU002 **Collected:** 11/2/2015 9:30:00 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
2-NITROANILINE	4.3	U	4.3	LOD	49	LOQ	ug/L	UJ	Ms
3,3'-DICHLOROBENZIDINE	4.3	U	4.3	LOD	49	LOQ	ug/L	UJ	Ms
3-NITROANILINE	4.3	U	4.3	LOD	49	LOQ	ug/L	UJ	Ms, Ms
4-CHLOROANILINE	4.3	U	4.3	LOD	25	LOQ	ug/L	UJ	Ms, Ms
4-NITROANILINE	4.3	U	4.3	LOD	49	LOQ	ug/L	UJ	Ms
ACETOPHENONE	0.29	J	4.9	LOD	9.9	LOQ	ug/L	J	RI
BENZIDINE	99	U	99	LOD	200	LOQ	ug/L	R	Ms
BENZYL ALCOHOL	0.47	J	0.49	LOD	25	LOQ	ug/L	U	Mb
NAPHTHALENE	0.30	J	0.99	LOD	9.9	LOQ	ug/L	J	RI

Sample ID: FW3112015 **Collected:** 11/2/2015 11:05:00 AM **Analysis Type:** RES-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DIMETHYLPHENOL	2.0	U	2.0	LOD	10	LOQ	ug/L	UJ	Ms

Sample ID: FW3112015 **Collected:** 11/2/2015 11:05:00 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
2-NITROANILINE	4.5	U	4.5	LOD	51	LOQ	ug/L	UJ	Ms
3,3'-DICHLOROBENZIDINE	4.5	U	4.5	LOD	51	LOQ	ug/L	UJ	Ms
3-NITROANILINE	4.5	U	4.5	LOD	51	LOQ	ug/L	UJ	Ms, Ms
4-CHLOROANILINE	4.5	U	4.5	LOD	26	LOQ	ug/L	UJ	Ms, Ms
4-NITROANILINE	4.5	U	4.5	LOD	51	LOQ	ug/L	UJ	Ms
BENZIDINE	100	U	100	LOD	200	LOQ	ug/L	R	Ms

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 AM **Analysis Type:** RES-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DIMETHYLPHENOL	2.0	U J	2.0	LOD	10	LOQ	ug/L	UJ	Ms

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: SVOA

Method: 8270D **Matrix:** AQ

Sample ID: MW20102015 **Collected:** 11/2/2015 10:30:00 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
1,2-DIPHENYLHYDRAZINE	0.52	U	0.52	LOD	10	LOQ	ug/L	UJ	Fd
2-NITROANILINE	4.5	U J	4.5	LOD	51	LOQ	ug/L	UJ	Ms
3,3'-DICHLOROBENZIDINE	4.5	U J	4.5	LOD	51	LOQ	ug/L	UJ	Ms
3-NITROANILINE	4.5	U J	4.5	LOD	51	LOQ	ug/L	UJ	Ms, Ms
4-CHLOROANILINE	4.5	U J	4.5	LOD	26	LOQ	ug/L	UJ	Ms, Ms
4-NITROANILINE	4.5	U J	4.5	LOD	51	LOQ	ug/L	UJ	Ms
ACETOPHENONE	5.1	U	5.1	LOD	10	LOQ	ug/L	UJ	Fd
BENZIDINE	100	U Q J	100	LOD	200	LOQ	ug/L	R	Ms
BENZYL ALCOHOL	0.51	U	0.51	LOD	26	LOQ	ug/L	UJ	Fd
BIS(2-ETHYLHEXYL) PHTHALATE	2.0	U	2.0	LOD	10	LOQ	ug/L	UJ	Fd
DIMETHYL PHTHALATE	0.51	U	0.51	LOD	20	LOQ	ug/L	UJ	Fd
FLUORANTHENE	0.51	U Q	0.51	LOD	20	LOQ	ug/L	UJ	Fd
ISOPHORONE	0.51	U	0.51	LOD	10	LOQ	ug/L	UJ	Fd

Sample ID: MW22D102015 **Collected:** 11/2/2015 12:10:00 PM **Analysis Type:** RES-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DIMETHYLPHENOL	2.1	U	2.1	LOD	10	LOQ	ug/L	UJ	Ms

Sample ID: MW22D102015 **Collected:** 11/2/2015 12:10:00 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
2-NITROANILINE	4.6	U	4.6	LOD	52	LOQ	ug/L	UJ	Ms
3,3'-DICHLOROBENZIDINE	4.6	U	4.6	LOD	52	LOQ	ug/L	UJ	Ms
3-NITROANILINE	4.6	U	4.6	LOD	52	LOQ	ug/L	UJ	Ms, Ms
4-CHLOROANILINE	4.6	U	4.6	LOD	26	LOQ	ug/L	UJ	Ms, Ms
4-NITROANILINE	4.6	U	4.6	LOD	52	LOQ	ug/L	UJ	Ms
BENZIDINE	100	U Q	100	LOD	210	LOQ	ug/L	R	Ms

Sample ID: MW22S102015 **Collected:** 11/2/2015 11:15:00 AM **Analysis Type:** RES-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DIMETHYLPHENOL	2.2	U	2.2	LOD	11	LOQ	ug/L	UJ	Ms

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: SVOA

Method: 8270D **Matrix: AQ**

Sample ID: MW22S102015 **Collected:** 11/2/2015 11:15:00 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
2-NITROANILINE	4.7	U	4.7	LOD	54	LOQ	ug/L	UJ	Ms
3,3'-DICHLOROBENZIDINE	4.7	U	4.7	LOD	54	LOQ	ug/L	UJ	Ms
3-NITROANILINE	4.7	U	4.7	LOD	54	LOQ	ug/L	UJ	Ms, Ms
4-CHLOROANILINE	4.7	U	4.7	LOD	27	LOQ	ug/L	UJ	Ms, Ms
4-NITROANILINE	4.7	U	4.7	LOD	54	LOQ	ug/L	UJ	Ms
BENZIDINE	110	U Q	110	LOD	220	LOQ	ug/L	R	Ms
BIS(2-ETHYLHEXYL) PHTHALATE	1.6	J	2.2	LOD	11	LOQ	ug/L	J	RI

Sample ID: TMW35102015 **Collected:** 11/2/2015 9:55:00 AM **Analysis Type:** RES-ACID **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
2,4-DIMETHYLPHENOL	2.0	U	2.0	LOD	10	LOQ	ug/L	UJ	Ms

Sample ID: TMW35102015 **Collected:** 11/2/2015 9:55:00 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
2-NITROANILINE	4.4	U	4.4	LOD	51	LOQ	ug/L	UJ	Ms
3,3'-DICHLOROBENZIDINE	4.4	U	4.4	LOD	51	LOQ	ug/L	UJ	Ms
3-NITROANILINE	4.4	U	4.4	LOD	51	LOQ	ug/L	UJ	Ms, Ms
4-CHLOROANILINE	4.4	U	4.4	LOD	25	LOQ	ug/L	UJ	Ms, Ms
4-NITROANILINE	4.4	U	4.4	LOD	51	LOQ	ug/L	UJ	Ms
BENZIDINE	100	U	100	LOD	200	LOQ	ug/L	R	Ms

Method Category: VOA

Method: 8260B **Matrix: AQ**

Sample ID: FW31102015EQU002 **Collected:** 11/2/2015 9:30:00 AM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
ACETONE	7.3	J	6.4	LOD	10	LOQ	ug/L	J	RI
TOLUENE	0.30	J	0.40	LOD	1.0	LOQ	ug/L	J	RI

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: VOA

Method: 8260B **Matrix:** AQ

Sample ID: MW18D102015 **Collected:** 11/2/2015 12:30:00 PM **Analysis Type:** DL **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,2-DICHLOROETHANE	95		4.0	LOD	10	LOQ	ug/L	J	EtoA

Sample ID: MW18D102015 **Collected:** 11/2/2015 12:30:00 PM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
1,1,1,2-TETRACHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,1,1-TRICHLOROETHANE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,1,2,2-TETRACHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	1.6	U	1.6	LOD	3.0	LOQ	ug/L	UJ	EtoA
1,1,2-TRICHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,1-DICHLOROETHANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,1-DICHLOROETHENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,1-DICHLOROPROPENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,2,3-TRICHLOROBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,2,3-TRICHLOROPROPANE	0.80	U	0.80	LOD	3.0	LOQ	ug/L	UJ	EtoA
1,2,4-TRICHLOROBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,2,4-TRIMETHYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,2-DIBROMO-3-CHLOROPROPANE	1.6	U	1.6	LOD	5.0	LOQ	ug/L	UJ	EtoA
1,2-DIBROMOETHANE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,2-DICHLOROBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,2-DICHLOROPROPANE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,3,5-TRIMETHYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,3-DICHLOROBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,3-DICHLOROPROPANE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
1,4-DICHLOROBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
2,2-DICHLOROPROPANE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
2-BUTANONE	4.0	U	4.0	LOD	6.0	LOQ	ug/L	UJ	EtoA
2-CHLOROTOLUENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
2-HEXANONE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	EtoA
4-CHLOROTOLUENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
4-METHYL-2-PENTANONE	3.2	U	3.2	LOD	5.0	LOQ	ug/L	UJ	EtoA
ACETONE	5.4	J	6.4	LOD	10	LOQ	ug/L	UJ	Eb, EtoA
BENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
BROMOBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: VOA

Method: 8260B **Matrix:** AQ

Sample ID: MW18D102015 **Collected:** 11/2/2015 12:30:00 PM **Analysis Type:** RES **Dilution:** 1

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
BROMOCHLOROMETHANE	0.20	U	0.20	LOD	1.0	LOQ	ug/L	UJ	EtoA
BROMODICHLOROMETHANE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
BROMOFORM	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
BROMOMETHANE	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	EtoA
CARBON DISULFIDE	1.6	U	1.6	LOD	2.0	LOQ	ug/L	UJ	EtoA
CARBON TETRACHLORIDE	0.40	U	0.40	LOD	2.0	LOQ	ug/L	UJ	EtoA
CHLOROBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
CHLOROETHANE	1.6	U	1.6	LOD	2.0	LOQ	ug/L	UJ	EtoA
CHLOROFORM	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
CHLOROMETHANE	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	EtoA
CIS-1,2-DICHLOROETHENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
CIS-1,3-DICHLOROPROPENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
CUMENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
DIBROMOCHLOROMETHANE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
DIBROMOMETHANE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
DICHLORODIFLUOROMETHANE	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	EtoA
ETHYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
HEXACHLOROBUTADIENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
m,p-Xylene	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	EtoA
METHYL ACETATE	4.0	U	4.0	LOD	5.0	LOQ	ug/L	UJ	EtoA
METHYL TERT-BUTYL ETHER	0.80	U	0.80	LOD	5.0	LOQ	ug/L	UJ	EtoA
Methylcyclohexane	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	EtoA
METHYLENE CHLORIDE	0.80	U	0.80	LOD	5.0	LOQ	ug/L	UJ	EtoA
NAPHTHALENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
N-BUTYLBENZENE	0.80	U	0.80	LOD	1.0	LOQ	ug/L	UJ	EtoA
N-PROPYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
O-XYLENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
P-ISOPROPYLTOLUENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
SEC-BUTYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
STYRENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
TERT-BUTYLBENZENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
TETRACHLOROETHENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
TOLUENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
TRANS-1,2-DICHLOROETHENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method Category: **VOA**

Method: **8260B** ***Matrix:*** **AQ**

Sample ID: **MW18D102015** ***Collected:*** **11/2/2015 12:30:00 PM** ***Analysis Type:*** **RES** ***Dilution:*** **1**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
TRANS-1,3-DICHLOROPROPENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
TRICHLOROETHENE	0.40	U	0.40	LOD	1.0	LOQ	ug/L	UJ	EtoA
TRICHLOROFLUOROMETHANE	0.80	U	0.80	LOD	2.0	LOQ	ug/L	UJ	EtoA
VINYL CHLORIDE	0.20	U	0.20	LOD	1.5	LOQ	ug/L	UJ	EtoA

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Qualifier Summary

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Reason Code Legend

Reason Code	*Description*
Eb	Equipment Blank Contamination
EtoA	Extraction to Analysis Estimation
Fd	Field Duplicate Precision
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
Rl	Reporting Limit Trace Value
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 102012 - FWDA 102012 GW

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TA DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Lab Reporting Batch: 280-76268-1						
Method: 6010C						
DMW20102015	280-76268-10	AQ	FD	3005A	11/2/2015 10:30:00 AM	S2AVE
DMW20102015	280-76268-10	AQ	FD	3010A	11/2/2015 10:30:00 AM	S2AVE
FW31102015EQU002	280-76268-3	AQ	EB	3005A	11/2/2015 9:30:00 AM	S2AVE
FW31102015EQU002	280-76268-3	AQ	EB	3010A	11/2/2015 9:30:00 AM	S2AVE
FW3112015	280-76268-4	AQ	N	3005A	11/2/2015 11:05:00 AM	S2AVE
FW3112015	280-76268-4	AQ	N	3010A	11/2/2015 11:05:00 AM	S2AVE
MW18D102015	280-76268-5	AQ	N	3005A	11/2/2015 12:30:00 PM	S2AVE
MW18D102015	280-76268-5	AQ	N	3010A	11/2/2015 12:30:00 PM	S2AVE
MW20102015	280-76268-9	AQ	N	3005A	11/2/2015 10:30:00 AM	S2AVE
MW20102015	280-76268-9	AQ	N	3010A	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	3005A	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	3010A	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	3005A	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	3010A	11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N	3005A	11/2/2015 12:10:00 PM	S2AVE
MW22D102015	280-76268-8	AQ	N	3010A	11/2/2015 12:10:00 PM	S2AVE
TMW35102015	280-76268-6	AQ	N	3005A	11/2/2015 9:55:00 AM	S2AVE
TMW35102015	280-76268-6	AQ	N	3010A	11/2/2015 9:55:00 AM	S2AVE
Method: 6020A						
DMW20102015	280-76268-10	AQ	FD	3020A	11/2/2015 10:30:00 AM	S2AVE
DMW20102015	280-76268-10	AQ	FD	3005A	11/2/2015 10:30:00 AM	S2AVE
FW31102015EQU002	280-76268-3	AQ	EB	3020A	11/2/2015 9:30:00 AM	S2AVE
FW31102015EQU002	280-76268-3	AQ	EB	3005A	11/2/2015 9:30:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TA DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 6020A						
FW3112015	280-76268-4	AQ	N	3020A	11/2/2015 11:05:00 AM	S2AVE
FW3112015	280-76268-4	AQ	N	3005A	11/2/2015 11:05:00 AM	S2AVE
MW18D102015	280-76268-5	AQ	N	3020A	11/2/2015 12:30:00 PM	S2AVE
MW18D102015	280-76268-5	AQ	N	3005A	11/2/2015 12:30:00 PM	S2AVE
MW20102015	280-76268-9	AQ	N	3020A	11/2/2015 10:30:00 AM	S2AVE
MW20102015	280-76268-9	AQ	N	3005A	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	3020A	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	3005A	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	3020A	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	3005A	11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N	3020A	11/2/2015 12:10:00 PM	S2AVE
MW22D102015	280-76268-8	AQ	N	3005A	11/2/2015 12:10:00 PM	S2AVE
TMW35102015	280-76268-6	AQ	N	3020A	11/2/2015 9:55:00 AM	S2AVE
TMW35102015	280-76268-6	AQ	N	3005A	11/2/2015 9:55:00 AM	S2AVE
Method: 6860						
DMW20102015	280-76268-10	AQ	FD	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW18D102015	280-76268-5	AQ	N	METHOD	11/2/2015 12:30:00 PM	S2AVE
MW20102015	280-76268-9	AQ	N	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N	METHOD	11/2/2015 12:10:00 PM	S2AVE
TMW35102015	280-76268-6	AQ	N	METHOD	11/2/2015 9:55:00 AM	S2AVE
Method: 7470A						
DMW20102015	280-76268-10	AQ	FD	7470A	11/2/2015 10:30:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TA DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 7470A						
FW31102015EQU002	280-76268-3	AQ	EB	7470A	11/2/2015 9:30:00 AM	S2AVE
FW3112015	280-76268-4	AQ	N	7470A	11/2/2015 11:05:00 AM	S2AVE
MW18D102015	280-76268-5	AQ	N	7470A	11/2/2015 12:30:00 PM	S2AVE
MW20102015	280-76268-9	AQ	N	7470A	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	7470A	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	7470A	11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N	7470A	11/2/2015 12:10:00 PM	S2AVE
TMW35102015	280-76268-6	AQ	N	7470A	11/2/2015 9:55:00 AM	S2AVE
Method: 8015C DRO						
DMW20102015	280-76268-10	AQ	FD	3510C	11/2/2015 10:30:00 AM	S2AVE
MW18D102015	280-76268-5	AQ	N	3510C	11/2/2015 12:30:00 PM	S2AVE
MW20102015	280-76268-9	AQ	N	3510C	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	3510C	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	3510C	11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N	3510C	11/2/2015 12:10:00 PM	S2AVE
TMW35102015	280-76268-6	AQ	N	3510C	11/2/2015 9:55:00 AM	S2AVE
Method: 8015C GRO						
DMW20102015	280-76268-10	AQ	FD	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW18D102015	280-76268-5	AQ	N	METHOD	11/2/2015 12:30:00 PM	S2AVE
MW20102015	280-76268-9	AQ	N	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N	METHOD	11/2/2015 12:10:00 PM	S2AVE
TB-09-102015	280-76268-2	AQ	TB	METHOD	11/2/2015 8:05:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TA DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method		Collection Date	Validation Code
Method: 8015C GRO							
TMW35102015	280-76268-6	AQ	N	METHOD		11/2/2015 9:55:00 AM	S2AVE
Method: 8081A							
DMW20102015	280-76268-10	AQ	FD	3510C		11/2/2015 10:30:00 AM	S2AVE
FW31102015EQU002	280-76268-3	AQ	EB	3510C		11/2/2015 9:30:00 AM	S2AVE
FW3112015	280-76268-4	AQ	N	3510C		11/2/2015 11:05:00 AM	S2AVE
MW20102015	280-76268-9	AQ	N	3510C		11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	3510C		11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	3510C		11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N	3510C		11/2/2015 12:10:00 PM	S2AVE
TMW35102015	280-76268-6	AQ	N	3510C		11/2/2015 9:55:00 AM	S2AVE
Method: 8260B							
DMW20102015	280-76268-10	AQ	FD		5030	11/2/2015 10:30:00 AM	S2AVE
FW31102015EQU002	280-76268-3	AQ	EB		5030	11/2/2015 9:30:00 AM	S2AVE
FW3112015	280-76268-4	AQ	N		5030	11/2/2015 11:05:00 AM	S2AVE
MW18D102015	280-76268-5	AQ	N		5030	11/2/2015 12:30:00 PM	S2AVE
MW20102015	280-76268-9	AQ	N		5030	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS		5030	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD		5030	11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N		5030	11/2/2015 12:10:00 PM	S2AVE
TB-08-102015	280-76268-1	AQ	TB		5030	11/2/2015 8:00:00 AM	S2AVE
TMW35102015	280-76268-6	AQ	N		5030	11/2/2015 9:55:00 AM	S2AVE
Method: 8270D							
DMW20102015	280-76268-10	AQ	FD	3520C		11/2/2015 10:30:00 AM	S2AVE
FW31102015EQU002	280-76268-3	AQ	EB	3520C		11/2/2015 9:30:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TA DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 8270D						
FW3112015	280-76268-4	AQ	N	3520C	11/2/2015 11:05:00 AM	S2AVE
MW20102015	280-76268-9	AQ	N	3520C	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	3520C	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	3520C	11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N	3520C	11/2/2015 12:10:00 PM	S2AVE
MW22S102015	280-76268-7	AQ	N	3520C	11/2/2015 11:15:00 AM	S2AVE
TMW35102015	280-76268-6	AQ	N	3520C	11/2/2015 9:55:00 AM	S2AVE
Method: 8330B						
DMW20102015	280-76268-10	AQ	FD	3535	11/2/2015 10:30:00 AM	S2AVE
FW31102015EQU002	280-76268-3	AQ	EB	3535	11/2/2015 9:30:00 AM	S2AVE
FW3112015	280-76268-4	AQ	N	3535	11/2/2015 11:05:00 AM	S2AVE
MW18D102015	280-76268-5	AQ	N	3535	11/2/2015 12:30:00 PM	S2AVE
MW20102015	280-76268-9	AQ	N	3535	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	3535	11/2/2015 10:30:00 AM	S2AVE
MW20102015MSD	280-76268-9MSD	AQ	MSD	3535	11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N	3535	11/2/2015 12:10:00 PM	S2AVE
Method: 9056						
DMW20102015	280-76268-10	AQ	FD	METHOD	11/2/2015 10:30:00 AM	S2AVE
FW31102015EQU002	280-76268-3	AQ	EB	METHOD	11/2/2015 9:30:00 AM	S2AVE
FW3112015	280-76268-4	AQ	N	METHOD	11/2/2015 11:05:00 AM	S2AVE
MW18D102015	280-76268-5	AQ	N	METHOD	11/2/2015 12:30:00 PM	S2AVE
MW20102015	280-76268-9	AQ	N	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW20102015DUP	280-76268-9DUP	AQ	DUP	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW20102015MS	280-76268-9MS	AQ	MS	METHOD	11/2/2015 10:30:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TA DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code
Method: 9056						
MW20102015MSD	280-76268-9MSD	AQ	MSD	METHOD	11/2/2015 10:30:00 AM	S2AVE
MW22D102015	280-76268-8	AQ	N	METHOD	11/2/2015 12:10:00 PM	S2AVE
TMW35102015	280-76268-6	AQ	N	METHOD	11/2/2015 9:55:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: TA DEN**

Client Sample ID	Lab Sample ID	Matrix	Sample Type	Preparation Method	Collection Date	Validation Code

Validation Label Legend

Label Code	Label Decription	EPA Level
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

Data Review Summary

Lab Reporting Batch ID: 280-76268-1
Laboratory: TA DEN
EDD Filename: 280-76268-1
eQAPP Name: FtWingate_Primary_120405

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

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.

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: **6010C**
Matrix: **AQ**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
FW31102015EQU002(RE2/TOT)	11/2/2015 9:30:00 AM	ALUMINUM POTASSIUM	37 ug/L 1300 ug/L	DMW20102015 FW3112015 MW18D102015 MW20102015 MW22D102015 MW22S102015 TMW35102015
FW31102015EQU002(RE3/DIS)	11/2/2015 9:30:00 AM	SODIUM	440 ug/L	DMW20102015 FW3112015 MW18D102015 MW20102015 MW22D102015 MW22S102015 TMW35102015
FW31102015EQU002(RE4/TOT)	11/2/2015 9:30:00 AM	SODIUM	150000 ug/L	DMW20102015 FW3112015 MW18D102015 MW20102015 MW22D102015 MW22S102015 TMW35102015
FW31102015EQU002(RES/DIS)	11/2/2015 9:30:00 AM	CALCIUM MAGNESIUM	130 ug/L 14 ug/L	DMW20102015 FW3112015 MW18D102015 MW20102015 MW22D102015 MW22S102015 TMW35102015
FW31102015EQU002(RES/TOT)	11/2/2015 9:30:00 AM	CALCIUM	160 ug/L	DMW20102015 FW3112015 MW18D102015 MW20102015 MW22D102015 MW22S102015 TMW35102015

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
DMW20102015(RE2/TOT)	POTASSIUM	5600 ug/L	5600U ug/L
FW3112015(RE2/TOT)	POTASSIUM	2300 ug/L	2300U ug/L
FW3112015(RE4/TOT)	SODIUM	640000 ug/L	640000U ug/L
MW18D102015(RE2/TOT)	POTASSIUM	3300 ug/L	3300U ug/L
MW20102015(RE2/TOT)	POTASSIUM	4600 ug/L	4600U ug/L
MW22D102015(RE2/TOT)	POTASSIUM	1200 ug/L	1200U ug/L
TMW35102015(RE2/TOT)	POTASSIUM	980 ug/L	980U ug/L

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: **6020A**
Matrix: **AQ**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
FW31102015EQU002(RES/DIS)	11/2/2015 9:30:00 AM	MANGANESE NICKEL SILVER THALLIUM	0.31 ug/L 0.77 ug/L 0.17 ug/L 0.062 ug/L	DMW20102015 FW3112015 MW18D102015 MW20102015 MW22D102015 MW22S102015 TMW35102015
FW31102015EQU002(RES/TOT)	11/2/2015 9:30:00 AM	ANTIMONY SILVER THALLIUM	0.52 ug/L 0.045 ug/L 0.088 ug/L	DMW20102015 FW3112015 MW18D102015 MW20102015 MW22D102015 MW22S102015 TMW35102015

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
DMW20102015(RES/DIS)	NICKEL	3.2 ug/L	3.2U ug/L
DMW20102015(RES/DIS)	THALLIUM	0.058 ug/L	0.058U ug/L
DMW20102015(RES/TOT)	SILVER	0.10 ug/L	0.10U ug/L
DMW20102015(RES/TOT)	THALLIUM	0.096 ug/L	0.096U ug/L
FW3112015(RES/DIS)	NICKEL	0.55 ug/L	0.55U ug/L
FW3112015(RES/TOT)	SILVER	0.14 ug/L	0.14U ug/L
FW3112015(RES/TOT)	THALLIUM	0.052 ug/L	0.052U ug/L
MW18D102015(RES/DIS)	NICKEL	3.2 ug/L	3.2U ug/L
MW18D102015(RES/DIS)	SILVER	0.039 ug/L	0.039U ug/L
MW18D102015(RES/TOT)	ANTIMONY	1.3 ug/L	1.3U ug/L
MW18D102015(RES/TOT)	THALLIUM	0.089 ug/L	0.089U ug/L
MW20102015(RES/DIS)	NICKEL	3.3 ug/L	3.3U ug/L
MW20102015(RES/TOT)	SILVER	0.036 ug/L	0.036U ug/L
MW22D102015(RES/DIS)	NICKEL	0.98 ug/L	0.98U ug/L
TMW35102015(RES/DIS)	NICKEL	1.2 ug/L	1.2U ug/L

Method: **8260B**
Matrix: **AQ**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
FW31102015EQU002(RES)	11/2/2015 9:30:00 AM	ACETONE TOLUENE	7.3 ug/L 0.3 ug/L	DMW20102015 FW3112015 MW18D102015 MW20102015 MW22D102015 MW22S102015 TMW35102015

Equipment Rinsate Blank Outlier Report

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: **8260B**
Matrix: **AQ**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples

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
MW18D102015(RES)	ACETONE	5.4 ug/L	5.4U ug/L

Method: **8270D**
Matrix: **AQ**

Equipment Blank Sample ID	Collected Date	Analyte	Result	Associated Samples
FW31102015EQU002(RES)	11/2/2015 9:30:00 AM	ACETOPHENONE BENZYL ALCOHOL NAPHTHALENE	0.29 ug/L 0.47 ug/L 0.3 ug/L	DMW20102015 FW3112015 MW18D102015 MW20102015 MW22D102015 MW22S102015 TMW35102015

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
DMW20102015(RES)	ACETOPHENONE	0.29 ug/L	0.29U ug/L
DMW20102015(RES)	BENZYL ALCOHOL	0.43 ug/L	0.43U ug/L

Field Duplicate RPD Report

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: 6010C
Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	MW20102015 (DIS)	DMW20102015 (DIS)			
CALCIUM	330000	310000	6	50.00	No Qualifiers Applied
MAGNESIUM	76000	71000	7	50.00	
POTASSIUM	3800	3700	3	50.00	
SODIUM	4100000	3800000	8	50.00	
IRON	22	100 U	200	50.00	J(all detects) UJ(all non-detects)

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	MW20102015 (TOT)	DMW20102015 (TOT)			
CALCIUM	340000	330000	3	50.00	No Qualifiers Applied
IRON	49	52	6	50.00	
MAGNESIUM	70000	74000	6	50.00	
POTASSIUM	4600	5600	20	50.00	
SODIUM	4100000	4400000	7	50.00	

Method: 6020A
Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	MW20102015 (DIS)	DMW20102015 (DIS)			
ARSENIC	5.0 U	0.43	200	50.00	No Qualifiers Applied
BARIUM	15	16	6	50.00	
BERYLLIUM	1.0 U	0.15	200	50.00	
COBALT	1.4	1.4	0	50.00	
COPPER	2.0	2.2	10	50.00	
MANGANESE	1700	1700	0	50.00	
NICKEL	3.3	3.2	3	50.00	
SELENIUM	75	74	1	50.00	
THALLIUM	1.0 U	0.058	200	50.00	
VANADIUM	6.0 U	0.60	200	50.00	
ZINC	80	84	5	50.00	

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	MW20102015 (TOT)	DMW20102015 (TOT)			
BARIUM	16	15	6	50.00	No Qualifiers Applied
COBALT	1.3	1.4	7	50.00	
COPPER	2.0	2.5	22	50.00	
MANGANESE	1800	1800	0	50.00	
NICKEL	3.3	3.0	10	50.00	
SELENIUM	68	70	3	50.00	
ZINC	97	98	1	50.00	
BERYLLIUM	1.0 U	0.38	200	50.00	J(all detects) UJ(all non-detects)
CHROMIUM	10 U	0.65	200	50.00	
SILVER	0.036	0.10	94	50.00	
THALLIUM	1.0 U	0.096	200	50.00	

Project Name and Number: 102012 - FWDA 102012 GW

Field Duplicate RPD Report

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: 6860
Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	MW20102015	DMW20102015			
PERCHLORATE	0.27	0.26	4	50.00	No Qualifiers Applied

Method: 8260B
Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	MW20102015	DMW20102015			
1,2-DICHLOROETHANE	8.4	7.0	18	50.00	No Qualifiers Applied

Method: 8270D
Matrix: AQ

Analyte	Concentration (ug/L)		Sample RPD	eQAPP RPD	Flag
	MW20102015	DMW20102015			
1,2-DIPHENYLHYDRAZINE	10 U	0.26	200	50.00	J(all detects) UJ(all non-detects)
ACETOPHENONE	10 U	0.29	200	50.00	
BENZYL ALCOHOL	26 U	0.43	200	50.00	
BIS(2-ETHYLHEXYL) PHTHALATE	10 U	1.6	200	50.00	
DIMETHYL PHTHALATE	20 U	0.26	200	50.00	
FLUORANTHENE	20 U Q	0.22	200	50.00	
ISOPHORONE	10 U	0.28	200	50.00	

Method: 9056
Matrix: AQ

Analyte	Concentration (mg/L)		Sample RPD	eQAPP RPD	Flag
	MW20102015	DMW20102015			
NITRATE	7.7	6.6	15	50.00	No Qualifiers Applied
NITRITE	2.1	1.7	21	50.00	

Project Name and Number: 102012 - FWDA 102012 GW

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: 6010C
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
MW20102015MS (TOT) (DMW20102015 FW31102015EQU002 FW3112015 MW18D102015 MW20102015 MW22D102015 TMW35102015)	POTASSIUM	121	-	80.00-120.00	-	POTASSIUM	J (all detects)
MW20102015MS (TOT) MW20102015MSD (TOT) (DMW20102015 FW31102015EQU002 FW3112015 MW18D102015 MW20102015 MW22D102015 TMW35102015)	CALCIUM	54	55	80.00-120.00	-	CALCIUM	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
MW20102015MS (TOT) (DMW20102015 FW31102015EQU002 FW3112015 MW18D102015 MW20102015 MW22D102015 TMW35102015)	MANGANESE	264	-	85.00-117.00	-	MANGANESE	J(all detects)

Method: 8081A
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
MW20102015MSD (FW31102015EQU002 FW3112015 MW20102015 MW22D102015 TMW35102015)	TOXAPHENE	-	60	63.00-142.00	-	TOXAPHENE	J(all detects) UJ(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: 8270D
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
MW20102015MS MW20102015MSD (DMW20102015 FW31102015EQU002 FW3112015 MW20102015 MW22D102015 MW22S102015 TMW35102015)	NITROBENZENE PHENOL	189 137	195 137	45.00-110.00 10.00-115.00	- -	NITROBENZENE PHENOL	J(all detects)
MW20102015MS MW20102015MSD (DMW20102015 FW31102015EQU002 FW3112015 MW20102015 MW22D102015 MW22S102015 TMW35102015)	2,4-DIMETHYLPHENOL 2-NITROANILINE 3,3'-DICHLOROBENZIDINE 3-NITROANILINE 4-CHLOROANILINE 4-NITROANILINE BENZIDINE	13 20 0 10 5 19 0	10 17 0 7 0 16 0	30.00-110.00 50.00-115.00 20.00-110.00 20.00-125.00 15.00-110.00 35.00-120.00 27.00-150.00	- - - 32 (30.00) 200 (30.00) - -	2,4-DIMETHYLPHENOL 2-NITROANILINE 3,3'-DICHLOROBENZIDINE 3-NITROANILINE 4-CHLOROANILINE 4-NITROANILINE BENZIDINE	J(all detects) UJ(all non-detects)

Method: 6020A
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
MW20102015MS (DIS) MW20102015MSD (DIS) (DMW20102015 FW31102015EQU002 FW3112015 MW18D102015 MW20102015 MW22D102015 TMW35102015)	MANGANESE ZINC	357 -	43 80	85.00-117.00 83.00-122.00	- -	MANGANESE ZINC	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
MW20102015MS (DIS) MW20102015MSD (DIS) (DMW20102015 FW31102015EQU002 FW3112015 MW18D102015 MW20102015 MW22D102015 TMW35102015)	SODIUM	-192	-239	80.00-120.00	-	SODIUM	J(all detects) R(all non-detects)

Matrix Spike/Matrix Spike Duplicate Outlier Report

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: 6010C
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
MW20102015MSD (DIS) (DMW20102015 FW31102015EQU002 FW3112015 MW18D102015 MW20102015 MW22D102015 TMW35102015)	CALCIUM	-	73	80.00-120.00	-	CALCIUM	J(all detects) UJ(all non-detects)
MW20102015MS (TOT) MW20102015MSD (TOT) (DMW20102015 FW31102015EQU002 FW3112015 MW18D102015 MW20102015 MW22D102015 TMW35102015)	SODIUM	681	2801	80.00-120.00	21 (20.00)	SODIUM	J(all detects) UJ(all non-detects)

Method: 6860
Matrix: AQ

QC Sample ID (Associated Samples)	Compound	MS %R	MSD %R	%R Limits	RPD (Limits)	Affected Compounds	Flag
MW20102015MS MW20102015MSD (DMW20102015 MW18D102015 MW20102015 MW22D102015 TMW35102015)	PERCHLORATE	184	72	80.00-120.00	17 (15.00)	PERCHLORATE	J(all detects) UJ(all non-detects)

Method Blank Outlier Report

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: **6010C**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-302965/1-A	11/18/2015 11:32:00 PM	MAGNESIUM SODIUM	11.0 ug/L 514 ug/L	DMW20102015 FW31102015EQU002 FW3112015 MW18D102015 MW20102015 MW22D102015 TMW35102015

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
FW31102015EQU002(RE3/DIS)	SODIUM	440 ug/L	440U ug/L
FW31102015EQU002(RES/DIS)	MAGNESIUM	14 ug/L	14U ug/L

Method: **8260B**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-303450/6	11/10/2015 9:21:00 PM	1,2,3-TRICHLOROBENZENE	0.183 ug/L	DMW20102015 FW31102015EQU002 FW3112015 MW18D102015 MW20102015 MW22D102015 TB-08-102015 TMW35102015

Method: **8270D**
Matrix: **AQ**

Method Blank Sample ID	Analysis Date	Analyte	Result	Associated Samples
MB 280-302550/1-A	11/24/2015 3:56:00 PM	BENZYL ALCOHOL	0.334 ug/L	DMW20102015 FW31102015EQU002 FW3112015 MW20102015 MW22D102015 MW22S102015 TMW35102015

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
DMW20102015(RES)	BENZYL ALCOHOL	0.43 ug/L	0.43U ug/L
FW31102015EQU002(RES)	BENZYL ALCOHOL	0.47 ug/L	0.47U ug/L

Reporting Limit Outliers

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: 6010C

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DMW20102015	IRON	J	52	100	LOQ	ug/L	J (all detects)
FW31102015EQU002	ALUMINUM	J	37	300	LOQ	ug/L	J (all detects)
	CALCIUM	J	130	1000	LOQ	ug/L	
	MAGNESIUM	J	14	500	LOQ	ug/L	
	POTASSIUM	J	1300	3000	LOQ	ug/L	
	SODIUM	J	440	5000	LOQ	ug/L	
FW3112015	ALUMINUM	J	51	300	LOQ	ug/L	J (all detects)
	IRON	J	37	100	LOQ	ug/L	
	POTASSIUM	J	2300	3000	LOQ	ug/L	
MW18D102015	IRON	J	23	100	LOQ	ug/L	J (all detects)
	POTASSIUM	J	1700	3000	LOQ	ug/L	
MW20102015	IRON	J	49	100	LOQ	ug/L	J (all detects)
MW22D102015	IRON	J	22	100	LOQ	ug/L	J (all detects)
	POTASSIUM	J	1200	3000	LOQ	ug/L	
TMW35102015	IRON	J	36	100	LOQ	ug/L	J (all detects)
	POTASSIUM	J	980	3000	LOQ	ug/L	

Method: 6020A

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DMW20102015	ARSENIC	J	0.43	5.0	LOQ	ug/L	J (all detects)
	BERYLLIUM	J	0.15	1.0	LOQ	ug/L	
	CHROMIUM	J	0.65	10	LOQ	ug/L	
	SILVER	J	0.10	5.0	LOQ	ug/L	
	THALLIUM	J	0.058	1.0	LOQ	ug/L	
	VANADIUM	J	0.60	6.0	LOQ	ug/L	
FW31102015EQU002	ANTIMONY	J	0.52	6.0	LOQ	ug/L	J (all detects)
	MANGANESE	J	0.31	3.5	LOQ	ug/L	
	NICKEL	J	0.77	3.0	LOQ	ug/L	
	SILVER	J	0.17	5.0	LOQ	ug/L	
	THALLIUM	J	0.062	1.0	LOQ	ug/L	
FW3112015	CHROMIUM	J	0.59	10	LOQ	ug/L	J (all detects)
	COBALT	J	0.46	1.0	LOQ	ug/L	
	COPPER	J	0.73	2.0	LOQ	ug/L	
	LEAD	J	0.37	3.0	LOQ	ug/L	
	NICKEL	J	0.55	3.0	LOQ	ug/L	
	SILVER	J	0.14	5.0	LOQ	ug/L	
	THALLIUM	J	0.052	1.0	LOQ	ug/L	
	ZINC	J	3.1	20	LOQ	ug/L	

Reporting Limit Outliers

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: 6020A

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW18D102015	ANTIMONY	J	0.92	6.0	LOQ	ug/L	J (all detects)
	ARSENIC	J	1.7	5.0	LOQ	ug/L	
	BERYLLIUM	J	0.29	1.0	LOQ	ug/L	
	CADMIUM	J	0.32	1.0	LOQ	ug/L	
	CHROMIUM	J	6.6	10	LOQ	ug/L	
	COBALT	J	0.78	1.0	LOQ	ug/L	
	COPPER	J	1.8	2.0	LOQ	ug/L	
	SELENIUM	J	0.82	5.0	LOQ	ug/L	
	SILVER	J	0.039	5.0	LOQ	ug/L	
	THALLIUM	J	0.089	1.0	LOQ	ug/L	
MW20102015	SILVER	J	0.036	5.0	LOQ	ug/L	J (all detects)
MW22D102015	COBALT	J	0.18	1.0	LOQ	ug/L	J (all detects)
	COPPER	J	1.0	2.0	LOQ	ug/L	
	NICKEL	J	0.98	3.0	LOQ	ug/L	
	VANADIUM	J	1.2	6.0	LOQ	ug/L	
	ZINC	J	7.4	20	LOQ	ug/L	
TMW35102015	ARSENIC	J	0.35	5.0	LOQ	ug/L	J (all detects)
	COBALT	J	0.17	1.0	LOQ	ug/L	
	COPPER	J	1.5	2.0	LOQ	ug/L	
	NICKEL	J	1.2	3.0	LOQ	ug/L	
	VANADIUM	J	1.9	6.0	LOQ	ug/L	

Method: 7470A

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW18D102015	MERCURY	J	0.037	0.20	LOQ	ug/L	J (all detects)

Method: 8015C DRO

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
MW22D102015	DIESEL RANGE ORGANICS	J M	0.072	0.24	LOQ	mg/L	J (all detects)
TMW35102015	DIESEL RANGE ORGANICS	J M	0.076	0.27	LOQ	mg/L	J (all detects)

Method: 8260B

Matrix: AQ

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
FW31102015EQU002	ACETONE	J	7.3	10	LOQ	ug/L	J (all detects)
	TOLUENE	J	0.30	1.0	LOQ	ug/L	
MW18D102015	ACETONE	J	5.4	10	LOQ	ug/L	J (all detects)

Project Name and Number: 102012 - FWDA 102012 GW

Reporting Limit Outliers

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: **8270D**

Matrix: **AQ**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DMW20102015	1,2-DIPHENYLHYDRAZINE	J	0.26	11	LOQ	ug/L	
	ACETOPHENONE	J	0.29	11	LOQ	ug/L	
	BENZYL ALCOHOL	J	0.43	28	LOQ	ug/L	
	BIS(2-ETHYLHEXYL) PHTHALATE	J	1.6	11	LOQ	ug/L	J (all detects)
	DIMETHYL PHTHALATE	J	0.26	22	LOQ	ug/L	
	FLUORANTHENE	J Q	0.22	22	LOQ	ug/L	
	ISOPHORONE	J	0.28	11	LOQ	ug/L	
FW31102015EQU002	ACETOPHENONE	J	0.29	9.9	LOQ	ug/L	
	BENZYL ALCOHOL	J	0.47	25	LOQ	ug/L	J (all detects)
	NAPHTHALENE	J	0.30	9.9	LOQ	ug/L	
MW22S102015	BIS(2-ETHYLHEXYL) PHTHALATE	J	1.6	11	LOQ	ug/L	J (all detects)

Method: **9056**

Matrix: **AQ**

SampleID	Analyte	Lab Qual	Result	Reporting Limit	RL Type	Units	Flag
DMW20102015	NITRITE	J D	1.7	2.5	LOQ	mg/L	J (all detects)
FW3112015	NITRATE	J	0.077	0.50	LOQ	mg/L	J (all detects)
MW20102015	NITRITE	J D	2.1	2.5	LOQ	mg/L	J (all detects)

Surrogate Outlier Report

Lab Reporting Batch ID: 280-76268-1 **Laboratory: TA DEN**

EDD Filename: 280-76268-1 **eQAPP Name: FtWingate_Primary_120405**

Method: **8270D**
Matrix: **AQ**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
DMW20102015	Terphenyl-d14	41	50.00-135.00	No Affected Compounds	
MW20102015	Terphenyl-d14	40	50.00-135.00	No Affected Compounds	
MW22D102015	Terphenyl-d14	40	50.00-135.00	No Affected Compounds	
MW22S102015	Terphenyl-d14	29	50.00-135.00	No Affected Compounds	