Certified Mail

September 18, 2013

Wayne Willis
E-Town Landfill, Inc.
d.b.a. E Town Landfill & Recycling, Inc.
10978 Highway 50
North Bend, OH 45052

RE: E-Town Landfill, Inc. C&DD Landfill
Notice of Violation Regarding Implementation of Director's Findings and Orders

Dear Mr. Willis:

On July 2, 2013 Ohio EPA ("the Agency"), Division of Materials and Waste Management ("DMWM"), Central Office received a copy of two documents entitled "2013 Annual Ground-Water Quality Report, E-town Landfill" ("Ground Water Quality Report") and "Monitoring Well Installation Report, Wells W-1s, W-2s, W-5s and W-6, E-town Landfill" ("Installation Report") both dated July 2, 2013. The documents were prepared by Eagon & Associates, Inc. and submitted on behalf of Mr. Wayne Willis ("Respondent"), the owner and operator of the E-Town Landfill Inc. facility (Facility).

Ohio EPA Division of Drinking and Ground Waters ("DDAGW"), Central Office reviewed the Ground Water Quality Report and Installation Report for compliance with the Director's Final Findings and Orders ("DFFOs") issued to E-Town Landfill, Inc. on November 7, 2012 and compliance with Ohio Administrative Code (OAC) Rule 3745-400-10.

Based on DDAGW's review of the information submitted, the Agency has concluded that the Respondent has failed to comply with the DFFOs, in violation of Section 3714.13(c) of the Ohio Revised Code (ORC), as documented below. Additionally, one comment is provided regarding implementation of the ground water assessment program per the DFFOs.

Violations

The following represent violations of the DFFOs that were identified during review of the Ground Water Quality Report and Installation Report.

Order 2f: which requires that not later than one hundred twenty days (120) after sampling any well, Respondent shall submit to Ohio EPA all data, including laboratory analytical data, and results of evaluation of the ground water quality data in accordance with Section 6 of the Plan and the Orders.

The Ground Water Quality Report includes a summary of statistical evaluations conducted on the March 2013 and June 2013 data on page 7 and in Table 5, but is missing data and missing information required as part of the "evaluation of ground water quality data in accordance with Section 6 of the Plan and the Orders," as follows:

a) Cobalt and silver are among the parameters listed in the appendix to OAC 3745-400-10. However, the laboratory data sheets and Table 1 in the Ground Water Quality Report did not contain results for analysis of cobalt and silver at wells W-1, W-1s, W-2, W-2s, W-5 and W-5s from the March 2013 sampling event. The omission of cobalt and silver results within the Ground Water Quality Report and lack of receipt of such data by Ohio EPA within 120 days after wells W-1, W-1s, W-2, W-2s, W-5 and W-5s were sampled in March 2013 is a violation of Order 2f of the DFFOs.

   Eagon & Associates, Inc. submitted a letter with attachments to the Agency, dated September 13, 2013, stating that "it has come to our attention that OAC 3745-400-10 parameters cobalt and silver were omitted from the laboratory report for the March 7-6, 2013 sampling event. Attached are a revised analytical laboratory report and revised Table 1 for insertion into the report copy in your files."

b) The statistical limits in Table 5 of the Ground Water Quality Report under "Comparison Limit (W-4)" and "Comparison Limit (W-3)" under "Ohio EPA Statistical Limits," are transposed for the parameters: bicarbonate, calcium, chloride, iron, manganese, potassium, sodium and sulfate. This has led to a failure to identify statistically significant increases above background in monitoring wells W-2, W-2s, W-5 and W-5s for one or more of the following parameters: bicarbonate, calcium, chloride, potassium, sodium and sulfate.

   To return to compliance with this portion of Order 2f of the DFFOs, the Respondent must compare the March 2013 and June 2013 ground water monitoring results to the proper statistical limits as identified above and in the Plan and the Orders and report the results to Ohio EPA.

c) Statistical analyses of ground water monitoring data was conducted by Respondent using Chemstat statistical software, but no statistical output sheets from the statistical analyses were included in the Ground Water Quality Report, as required by the text in Order 2f to include "all data...including results of evaluation of ground water quality data." Furthermore, Ohio EPA cannot verify the statistical assumptions, background data or statistical parameters used in determining the statistical limits for COD, phosphorus, magnesium, zinc, lead, arsenic, chromium and copper based on the limited data submitted to date.

   To return to compliance with this portion of Order 2f of the DFFOs, the Respondent must submit all statistical output sheets from the statistical analyses that were performed on the March 2013 data and June 2013 data that were included in the Ground Water Quality Report.

d) Order 2f requires the Respondent to submit to Ohio EPA "results of evaluation of the ground water quality data in accordance with Section 6 of the Plan and the Orders," which includes the requirement in Section 6.5 of the Plan for the Respondent to "Determine if Additional Assessment Activities are Warranted." More specifically, Section 6.5 of the Plan requires that:

> "Additional assessment activities (including the installation of additional assessment wells) will be conducted if additional data is needed to determine the concentration rate and extent of migration of leachate-derived constituents in accordance with OAC 3 745-400- 10(E). Criteria that will be used to determine if additional activities are or are not warranted will be:
>
> - Detection of ground-water monitoring parameter in an assessment well(s) at concentrations that are above background concentrations as determined using the statistical procedures described in Sections 6.1 and 6.2 of this Plan;
> - Access limitations due to denial of access to neighboring parcels;
> - Ground-water quality data and other data or information that indicate that previous land use in the area downgradient of the limits of C&DD (e.g., adjacent auto salvage operation and pre-1992 C&DD waste disposal) is causing impact to ground water and/or is co-mingling with a release of C&DD-derived constituents from the regulated unit to ground water and thus preventing an accurate, segregated evaluation of the release of C&DD-derived constituents from the regulated unit to ground water; and
> - Extrapolation of concentrations where applicable."

No information or data regarding an evaluation of whether or not additional assessment activities (including recommendations for the installation of additional assessment wells) are warranted was included in the Ground Water Quality Report or otherwise received by Ohio EPA within 120 days of the March 5-6, 2013 sampling event. Instead, the Ground Water Quality Report stated in the "Summary and Conclusions" section that "the results will be further evaluated in the assessment report to be submitted after the 2014 annual sampling event."

To return to compliance with this portion of Order 2f of the DFFOs, the Respondent must determine if additional assessment activities are warranted (including the installation of additional assessment wells) in accordance with Section 6.5 of the Plan and Orders and submit the results of the evaluation to Ohio EPA.

Comments

Ohio EPA has evaluated the ground water monitoring results from the March 2013 and June 2013 sampling events in accordance with Section 6 of the Plan and the DFFOs and has the following comments:

1) **<u>Installation and sampling of additional assessment wells are needed to make a determination of the concentration of any contaminants in ground water released from the Facility and their extent and rate of migration within the ground water in accordance with Orders 1 and 2 of the DFFOs.</u>**

As shown in Table 5 of the Ground Water Quality Report, multiple monitoring parameters are statistically above background concentrations at all assessment wells at the facility. For example, arsenic, ammonia, bicarbonate, calcium, chloride, iron, magnesium, manganese, potassium, sodium and sulfate are statistically above background concentrations at assessment well W-1s and ammonia, bicarbonate, calcium, chloride, magnesium, manganese, potassium and sodium are statistically above background concentrations at assessment well W-6, downgradient of W-1s. However, no data is available west of W-1s to determine the rate, extent and concentrations of C&DD-derived constituents along the southwest portion of the facility, nor is data available south of W-1s to determine the rate, extent and concentrations of the elevated parameters along the southern portion of the facility in the large swath (≈1,400 feet) of property between assessment wells W-5/W-5s and W-6.

Additionally, results in the Ground Water Quality Report and from Ohio EPA's split-sampling activities in March 2013 and June 2013 indicate that hazardous, C&DD-derived constituents have been released to ground water from the limits of C&DD in the southwest portion of the facility and thus support the need for additional assessment wells to be installed west and south of W-1s and sampled. Copies of the laboratory reports from Ohio EPA's March 2013 and June 2013 split sampling activities at the Facility are included in Attachment A. Evidence of the release of hazardous, C&DD-derived constituents to ground water includes the following:

i. As shown in Table 5 of the Ground Water Quality Report, arsenic concentrations [e.g. 9.2 micrograms per liter (µg/L)] at assessment well W-1s are above background concentrations. Additionally, arsenic was detected at a concentration of 30.2 µg/L in Ohio EPA's June 10, 2013 split sample at W-1s and at a concentration of 30.3 µg/L in the field duplicate sample from W-1s, over three times the maximum contaminant limit (MCL) of 10 µg/L for arsenic.

ii. The volatile organic compound (VOC) acetone was detected at a concentration of 5.4 µg/L in Ohio EPA's June 10, 2013 split sample at W-1s. The available evidence indicates that the presence of this hazardous compound in ground water at W-1s is leachate-derived rather than from laboratory contamination, as follows:

   a. Acetone was also detected at a similar concentration of 5.79 µg/L in the field duplicate sample taken from W-1s.

   b. Acetone was *not* detected in the trip blank sample or any of the other assessment well samples nor the two field blank samples that were analyzed in the same laboratory batch as the W-1s samples.

c. The laboratory report in Appendix A of Ground Water Quality Report shows that acetone was also detected in the March 2013 Eagon & Associates sample at W-1s at an estimated concentration of 1.656 µg/L [between the method detection limit (MDL) and practical quantitation limit (PQL)].

d. Acetone was detected at high concentrations (1,300 µg/L, 292 µg/L) in both leachate outbreak samples collected at the facility on August 3, 2006 and March 25, 2008, respectively. Both of these leachate samples were obtained upgradient of W-1s, in the western part of the facility and thus represent a plausible source for acetone in ground water at W-1s.

iii. Appendix A of the Ground Water Quality Report shows that in the March 2013 sampling event by Eagon & Associates three (3) different VOCs were detected at concentrations between the MDL and PQL at W-1s and fifteen (15) different VOCs were detected between the MDL and PQL at W-1, including chlorinated VOCs heavier than water at both locations. Six of these VOCs detected in the 2013 samples at W-1/W-1s were also detected in the 2006 or 2008 leachate samples upgradient of W-1/1s.

iv. Laboratory results from Ohio EPA's split-sampling at W-1s on June 10, 2013 report show that multiple polynuclear aromatic hydrocarbons (PAHs) were detected at concentrations between the MDL and PQL at W-1s, indicating that burn products from the May 29, 2013 fire may have been released to ground water in the western portion of the E-town landfill.

Ohio EPA believes that installation and sampling of additional assessment wells in the following two areas is needed to make a determination of the concentration of any contaminants in ground water released from the Facility and their extent and rate of migration within the ground water in accordance with Orders 1 and 2 of the DFFOs:

- West of assessment well W-1s along the southern limits of C&DD at the Facility and north of Stephens Road and east of the ditch along the southwestern property boundary, within the area labeled on the attached Figure 1 (Attachment B) as "assessment well west of W-1s."

- South of assessment well W-1s along the southern property boundary of the Facility and north of Louisville Pike (Route 50), within the area labeled on the attached Figure 1 as "assessment well south of W-1s."

Furthermore, if additional C&DD-derived constituents are detected and/or higher concentrations of C&DD-derived constituents are detected at the proposed assessment well west of W-1s and/or if the Respondent wishes to attempt to demonstrate that elevated parameter concentrations at assessment well W-6 are caused by an alternate source other than a release of leachate from the Facility, Ohio EPA believes that at a minimum a third additional assessment well may need to be installed and sampled in the area depicted on the attached Figure 1 as "possible assessment area southwest of W-1s."

Ohio EPA considers this letter to be a technical notice of violation. This letter is not an offer to compromise or a compromise and should not be construed as such.

Please address the violations as directed in this letter and submit all correspondence to Aaron Shear, Division of Materials and Waste Management, Central Office, Ohio EPA, P.O. Box 1049, Columbus, Ohio 43216-1049.

If you have any comments, concerns or questions please feel free to contact me at (614)728-5350.

Sincerely,

Aaron Shear
Environmental Specialist, Solid Waste Compliance and Inspection Support
Division of Materials and Waste Management

AS/ljm

Attachment

ec: Pamela S. Allen, Chief DMWM
Bruce McCoy, DMWM, CO
Tracy Buchanan, DMWM, SWDO
Lindsey Taliaferro, DDAGW, CO
Steve Churchill, DDAGW, CO
Janine Maney, Ohio EPA, Legal
Jeff Hurdley, Ohio EPA, Legal
Michael Cyphert, Attorney for E-Town Landfill and Recycling, Inc.
Thomas Jenkins, Eagon & Associates, Inc.

ATTACHMENT A

OhioEPA Division of Environmental Services
Batch Report

Batch: 8260_0510-031313

Approved By: SROBERTS **On** 04/10/2013 14:33 **Status:** R **Test:** USEPA 8260B
Created By: AJAMAL **ELIMS Analysis:** 8260_(WAT) **Surrogate:** 8260_SUR
Analyst: AJAMAL **Batch Type:** INSTRUMENT **Sur. Dilution:** 1

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	246018-BL-1		246018-BL		
2	QCS	QCS_PR	246020-QCS-1	8260_QCS	246020-QCS		
3	151006	SAMPLE	151006-(WAT)-1 \ 1		151006-(WAT)		Etown C&DD Lar
6	151007	SAMPLE	151007-(WAT)-1		151007-(WAT)		Etown C&DD Lar
7	MS	MATRIX_SPIKE_PR	MS151006-(WAT)-1 \ 2	8260_SPK	151006-(WAT)		Etown C&DD Lar
8	MSD	MS_RPD	MSD151006-(WAT)-1 \ 3	8260_SPK	151006-(WAT)		Etown C&DD Lar
8	MSD	MS_DUPLICATE_PR	MSD151006-(WAT)-1 \ 3	8260_SPK	151006-(WAT)		Etown C&DD Lar
9	BL	BLANK_CHECK	246019-BL-1		246019-BL		
10	151008	SAMPLE	151008-(WAT)-1		151008-(WAT)		Etown C&DD Lar
11	151009	SAMPLE	151009-(WAT)-1		151009-(WAT)		Etown C&DD Lar
12	151010	SAMPLE	151010-(WAT)-1		151010-(WAT)		Etown C&DD Lar
13	151011	SAMPLE	151011-(WAT)-1		151011-(WAT)		Etown C&DD Lar
14	151012	SAMPLE	151012-(WAT)-1		151012-(WAT)		Etown C&DD Lar
15	151013	SAMPLE	151013-(WAT)-1		151013-(WAT)		Etown C&DD Lar
16	151014	SAMPLE	151014-(WAT)-1		151014-(WAT)	FD	Etown C&DD Lar
17	151015	SAMPLE	151015-(WAT)-1		151015-(WAT)	FB	Etown C&DD Lar
18	151016	SAMPLE	151016-(WAT)-1		151016-(WAT)	TB	Etown C&DD Lar

Comments:

All samples from this sampling event were anlyzed within one analytical batch. All lab blanks were free of contamination. Both the field and trip blanks were contaminated with methylene chloride and the field blank was also contaminated with 2-butanone. The QC showed acceptable recovery for all but 4 compounds; acrylonitrile (low recovery), 1,1-dichloropropene (high rec.), methylene chloride (high rec.), and vinyl acetate (high rec.). Acrylonitrile is estimated on all samples. The trip and field blanks are the only samples that contained any of the high recovering analytes and are qualified. The matrix spike duplicates showed good accuracy and precision.

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246018-BL-1	**Test:**	USEPA 8260B
Batch:	8260_0510-031313	**Units:**	ug/L
Analysis Date:	03/11/2013 13:40	**Analyst:**	AJAMAL

Analyte	Result	QCL	Qualifier
Acetone	0	5	
Acrylonitrile	0	1	
Benzene	0	0.5	
Bromobenzene	0	0.5	
Bromochloromethane	0	0.5	
Bromodichloromethane	0	0.5	
Bromoform	0	0.5	
Bromomethane	0	0.5	
2-Butanone	0	1	
n-Butylbenzene	0	0.5	
sec-Butylbenzene	0	0.5	
tert-Butylbenzene	0	0.5	
Carbon disulfide	0	1	
Carbon tetrachloride	0	0.5	
Chlorobenzene	0	0.5	
Chloroethane	0	0.5	
Chloroform	0	0.5	
Chloromethane	0	0.5	
2-Chlorotoluene	0	0.5	
4-Chlorotoluene	0	0.5	
Dibromochloromethane	0	0.5	
1,2-Dibromo-3-chloropropane	0	0.5	
1,2-Dibromoethane	0	0.5	
Dibromomethane	0	0.5	
trans-1,4-Dichloro-2-butene	0	1	
1,2-Dichlorobenzene	0	0.5	
1,3-Dichlorobenzene	0	0.5	
1,4-Dichlorobenzene	0	0.5	
Dichlorodifluoromethane	0	0.5	
1,1-Dichloroethane	0	0.5	
1,2-Dichloroethane	0	0.5	
1,1-Dichloroethene	0	0.5	
cis-1,2-Dichloroethene	0	0.5	
1,2-Dichloropropane	0	0.5	
1,3-Dichloropropane	0	0.5	
2,2-Dichloropropane	0	0.5	
1,1-Dichloropropene	0	0.5	
cis-1,3-Dichloropropene	0	0.5	
trans-1,3-Dichloropropene	0	0.5	
Ethylbenzene	0	0.5	
Hexachlorobutadiene	0	0.5	
2-Hexanone	0	1	
Iodomethane	0	1	
Isopropylbenzene	0	0.5	
4-Isopropyltoluene	0	0.5	

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246018-BL-1	**Test:**	USEPA 8260B
Batch:	8260_0510-031313	**Units:**	ug/L
Analysis Date:	03/11/2013 13:40	**Analyst:**	AJAMAL

Analyte	Result	QCL	Qualifier
Methylene chloride	0	0.5	
4-Methyl-2-pentanone	0	1	
Naphthalene	0	0.5	
n-Propylbenzene	0	0.5	
Styrene	0	0.5	
1,1,1,2-Tetrachloroethane	0	0.5	
1,1,2,2-Tetrachloroethane	0	0.5	
Tetrachloroethene	0	0.5	
Toluene	0	0.5	
1,2,3-Trichlorobenzene	0	0.5	
1,2,4-Trichlorobenzene	0	0.5	
1,1,1-Trichloroethane	0	0.5	
1,1,2-Trichloroethane	0	0.5	
Trichloroethene	0	0.5	
Trichlorofluoromethane	0	0.5	
1,2,3-Trichloropropane	0	0.5	
1,2,4-Trimethylbenzene	0	0.5	
1,3,5-Trimethylbenzene	0	0.5	
Vinyl acetate	0	1	
Vinyl chloride	0	0.5	
o-Xylene	0	0.5	
Total m&p-xylenes	0	0.5	

Surrogate Recovery (%)		QC Limits	
1,2-Dichloroethane-d4	100	81	128
4-Bromofluorobenzene	101	91	119
Toluene-d8	105	88	123

Blank:	246019-BL-1	**Test:**	USEPA 8260B
Batch:	8260_0510-031313	**Units:**	ug/L
Analysis Date:	03/11/2013 18:09	**Analyst:**	AJAMAL

Analyte	Result	QCL	Qualifier
Acetone	0	5	
Acrylonitrile	0	1	
Benzene	0	0.5	
Bromobenzene	0	0.5	
Bromochloromethane	0	0.5	
Bromodichloromethane	0	0.5	
Bromoform	0	0.5	
Bromomethane	0	0.5	
2-Butanone	0	1	
n-Butylbenzene	0	0.5	
sec-Butylbenzene	0	0.5	
tert-Butylbenzene	0	0.5	
Carbon disulfide	0	1	

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246019-BL-1	**Test:**	USEPA 8260B
Batch:	8260_0510-031313	**Units:**	ug/L
Analysis Date:	03/11/2013 18:09	**Analyst:**	AJAMAL

Analyte	Result	QCL	Qualifier
Carbon tetrachloride	0	0.5	
Chlorobenzene	0	0.5	
Chloroethane	0	0.5	
Chloroform	0	0.5	
Chloromethane	0	0.5	
2-Chlorotoluene	0	0.5	
4-Chlorotoluene	0	0.5	
Dibromochloromethane	0	0.5	
1,2-Dibromo-3-chloropropane	0	0.5	
1,2-Dibromoethane	0	0.5	
Dibromomethane	0	0.5	
trans-1,4-Dichloro-2-butene	0	1	
1,2-Dichlorobenzene	0	0.5	
1,3-Dichlorobenzene	0	0.5	
1,4-Dichlorobenzene	0	0.5	
Dichlorodifluoromethane	0	0.5	
1,1-Dichloroethane	0	0.5	
1,2-Dichloroethane	0	0.5	
1,1-Dichloroethene	0	0.5	
cis-1,2-Dichloroethene	0	0.5	
1,2-Dichloropropane	0	0.5	
1,3-Dichloropropane	0	0.5	
2,2-Dichloropropane	0	0.5	
1,1-Dichloropropene	0	0.5	
cis-1,3-Dichloropropene	0	0.5	
trans-1,3-Dichloropropene	0	0.5	
Ethylbenzene	0	0.5	
Hexachlorobutadiene	0	0.5	
2-Hexanone	0	1	
Iodomethane	0	1	
Isopropylbenzene	0	0.5	
4-Isopropyltoluene	0	0.5	
Methylene chloride	0	0.5	
4-Methyl-2-pentanone	0	1	
Naphthalene	0	0.5	
n-Propylbenzene	0	0.5	
Styrene	0	0.5	
1,1,1,2-Tetrachloroethane	0	0.5	
1,1,2,2-Tetrachloroethane	0	0.5	
Tetrachloroethene	0	0.5	
Toluene	0	0.5	
1,2,3-Trichlorobenzene	0	0.5	
1,2,4-Trichlorobenzene	0	0.5	
1,1,1-Trichloroethane	0	0.5	
1,1,2-Trichloroethane	0	0.5	

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246019-BL-1	**Test:**	USEPA 8260B
Batch:	8260_0510-031313	**Units:**	ug/L
Analysis Date:	03/11/2013 18:09	**Analyst:**	AJAMAL

Analyte	Result	QCL	Qualifier
Trichloroethene	0	0.5	
Trichlorofluoromethane	0	0.5	
1,2,3-Trichloropropane	0	0.5	
1,2,4-Trimethylbenzene	0	0.5	
1,3,5-Trimethylbenzene	0	0.5	
Vinyl acetate	0	1	
Vinyl chloride	0	0.5	
o-Xylene	0	0.5	
Total m&p-xylenes	0	0.5	

Surrogate Recovery (%)		QC Limits	
1,2-Dichloroethane-d4	101	81	128
4-Bromofluorobenzene	103	91	119
Toluene-d8	105	88	123

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	151006-(WAT)-1	**Analysis Date:**	03/11/2013 14:51	**Test:**	USEPA 8260B
Spike:	MS151006-(WAT)-1	**Analysis Date:**	03/11/2013 17:05	**Units:**	ug/L
Batch:	8260_0510-031313	**Analyst:**	AJAMAL	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Benzene		<0.50	10.8	10	108	90	116	
Chlorobenzene		<0.50	11.6	10	116	87	120	
1,1-Dichloroethene		<0.50	12.7	10	127	79	134	
Toluene		<0.50	11.6	10	116	87	123	
Trichloroethene		<0.50	11.9	10	119	70	136	
Surrogate Recovery (%)								
1,2-Dichloroethane-d4		99	97			81	128	
4-Bromofluorobenzene		100	98			91	119	
Toluene-d8		105	104			88	123	

Sample:	151006-(WAT)-1	**Analysis Date:**	03/11/2013 14:51	**Test:**	USEPA 8260B
Spike:	MSD151006-(WAT)-1	**Analysis Date:**	03/11/2013 17:37	**Units:**	ug/L
Batch:	8260_0510-031313	**Analyst:**	AJAMAL	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Benzene		<0.50	10.6	10	106	90	116	
Chlorobenzene		<0.50	11.6	10	116	87	120	
1,1-Dichloroethene		<0.50	12.5	10	125	79	134	
Toluene		<0.50	11.5	10	115	87	123	
Trichloroethene		<0.50	11.6	10	116	70	136	
Surrogate Recovery (%)								
1,2-Dichloroethane-d4		99	100			81	128	
4-Bromofluorobenzene		100	100			91	119	
Toluene-d8		105	106			88	123	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	246020-QCS-1	**Test:**	USEPA 8260B
Batch:	8260_0510-031313	**Units:**	ug/L
Analysis Date:	03/11/2013 14:13	**Analyst:**	AJAMAL

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Acetone	9.85	10	99	83	115	
Acrylonitrile	5.62	10	56	92	110	*
Benzene	10.1	10	101	91	112	
Bromobenzene	9.92	10	99	90	109	
Bromochloromethane	10.1	10	101	92	112	
Bromodichloromethane	10	10	100	89	113	
Bromoform	9.52	10	95	90	108	
Bromomethane	10.3	10	103	85	132	
2-Butanone	9.88	10	99	85	115	
n-Butylbenzene	10.4	10	104	89	111	
sec-Butylbenzene	10.2	10	102	87	119	
tert-Butylbenzene	10.4	10	104	89	112	
Carbon disulfide	9.93	10	99	82	119	
Carbon tetrachloride	10.2	10	102	90	113	
Chlorobenzene	10.1	10	101	92	109	
Chloroethane	10.6	10	106	86	117	
Chloroform	10.3	10	103	91	110	
Chloromethane	10.8	10	108	80	126	
2-Chlorotoluene	10.2	10	102	90	110	
4-Chlorotoluene	10.3	10	103	90	110	
Dibromochloromethane	9.75	10	98	92	108	
1,2-Dibromo-3-chloropropane	9.87	10	99	86	108	
1,2-Dibromoethane	9.82	10	98	92	109	
Dibromomethane	10	10	100	92	110	
trans-1,4-Dichloro-2-butene	9.67	10	97	92	110	
1,2-Dichlorobenzene	10.1	10	101	91	108	
1,3-Dichlorobenzene	10.4	10	104	91	108	
1,4-Dichlorobenzene	10.3	10	103	91	110	
Dichlorodifluoromethane	12.3	10	123	72	141	
1,1-Dichloroethane	10.2	10	102	91	112	
1,2-Dichloroethane	9.91	10	99	91	109	
1,1-Dichloroethene	12.2	10	122	83	129	
cis-1,2-Dichloroethene	10.3	10	103	92	113	
1,2-Dichloropropane	9.74	10	97	91	110	
1,3-Dichloropropane	9.99	10	100	92	110	
2,2-Dichloropropane	10.5	10	105	85	117	
1,1-Dichloropropene	11.6	10	116	91	113	*
cis-1,3-Dichloropropene	9.69	10	97	91	110	
trans-1,3-Dichloropropene	9.77	10	98	87	112	
Ethylbenzene	9.81	10	98	91	111	
Hexachlorobutadiene	10.5	10	105	89	112	
2-Hexanone	9.87	10	99	87	113	
Iodomethane	10.7	10	107	92	110	
Isopropylbenzene	10.4	10	104	77	117	
4-Isopropyltoluene	10.3	10	103	87	111	
Methylene chloride	12	10	120	93	112	*
4-Methyl-2-pentanone	9.71	10	97	89	111	
Naphthalene	10.1	10	101	87	109	

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	246020-QCS-1	**Test:**	USEPA 8260B
Batch:	8260_0510-031313	**Units:**	ug/L
Analysis Date:	03/11/2013 14:13	**Analyst:**	AJAMAL

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
n-Propylbenzene	10.4	10	104	89	111	
Styrene	9.93	10	99	90	112	
1,1,1,2-Tetrachloroethane	9.88	10	99	92	108	
1,1,2,2-Tetrachloroethane	10.2	10	102	87	112	
Tetrachloroethene	10.1	10	101	91	111	
Toluene	10.1	10	101	92	110	
1,2,3-Trichlorobenzene	10.2	10	102	89	109	
1,2,4-Trichlorobenzene	10	10	100	89	108	
1,1,1-Trichloroethane	10.1	10	101	91	112	
1,1,2-Trichloroethane	9.94	10	99	92	111	
Trichloroethene	9.96	10	100	92	110	
Trichlorofluoromethane	10.5	10	105	89	113	
1,2,3-Trichloropropane	9.91	10	99	88	111	
1,2,4-Trimethylbenzene	10.2	10	102	91	111	
1,3,5-Trimethylbenzene	10.2	10	102	90	110	
Vinyl acetate	11.1	10	111	92	110	*
Vinyl chloride	11.2	10	112	90	114	
o-Xylene	10.3	10	103	92	110	
Total m&p-xylenes	20.4	20	102	92	110	
Surrogate Recovery (%)						
1,2-Dichloroethane-d4	5.2	5	104	81	128	
4-Bromofluorobenzene	5	5	99	91	119	
Toluene-d8	4.9	5	98	88	123	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151006	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 16:23	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-1
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-1				

					Begin	End
Aliquot:	151006-(WAT)-1 \ 1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151006	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 16:23	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-1
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-1				

					Begin	End
Aliquot:	151006-(WAT)-1 \ 1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	99	81	128	
4-Bromofluorobenzene	100	91	119	
Toluene-d8	105	88	123	

Field Comments

Lab Comments No TB

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151007	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 17:11	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-1s
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-1s				

					Begin	End
Aliquot:	151007-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151007	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 17:11	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-1s
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-1s				

					Begin	End
Aliquot:	151007-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	100	81	128	
4-Bromofluorobenzene	107	91	119	
Toluene-d8	108	88	123	

Field Comments

Lab Comments No TB

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151008	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 14:56	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-2
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-2				

					Begin	End
Aliquot:	151008-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151008	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 14:56	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-2
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-2				

					Begin	End
Aliquot:	151008-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	100	81	128	
4-Bromofluorobenzene	100	91	119	
Toluene-d8	109	88	123	

Field Comments

Lab Comments No TB

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151009	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 13:04	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-2s
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-2s				

					Begin	End
Aliquot:	151009-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151009	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 13:04	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-2s
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-2s				

					Begin	End
Aliquot:	151009-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	102	81	128	
4-Bromofluorobenzene	101	91	119	
Toluene-d8	109	88	123	

Field Comments

Lab Comments

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151010	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/07/2013 08:11	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-3
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-3				

					Begin	End
Aliquot:	151010-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151010	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/07/2013 08:11	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-3
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-3				

					Begin	End
Aliquot:	151010-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	99	81	128	
4-Bromofluorobenzene	100	91	119	
Toluene-d8	106	88	123	

Field Comments

Lab Comments No TB

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151011	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/07/2013 09:10	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-4
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-4				

					Begin	End
Aliquot:	151011-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151011	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/07/2013 09:10	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-4
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-4				

					Begin	End
Aliquot:	151011-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	100	81	128	
4-Bromofluorobenzene	100	91	119	
Toluene-d8	105	88	123	

Field Comments

Lab Comments No TB

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151012	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 10:19	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-5
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-5				

					Begin	End
Aliquot:	151012-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151012	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 10:19	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-5
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-5				

					Begin	End
Aliquot:	151012-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	100	81	128	
4-Bromofluorobenzene	100	91	119	
Toluene-d8	110	88	123	

Field Comments

Lab Comments No TB

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151013	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 11:24	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-5s
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-5s				

					Begin	**End**
Aliquot:	151013-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151013	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 11:24	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	W-5s
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, well W-5s				

					Begin	End
Aliquot:	151013-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	103	81	128	
4-Bromofluorobenzene	99	91	119	
Toluene-d8	109	88	123	

Field Comments

Lab Comments No TB

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151014	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 00:00	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	DUP
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, field duplicate sample				

					Begin	End
Aliquot:	151014-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151014	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 00:00	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	DUP
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, field duplicate sample				

					Begin	End
Aliquot:	151014-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	102	81	128	
4-Bromofluorobenzene	103	91	119	
Toluene-d8	105	88	123	

Field Comments

Lab Comments No TB

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151015	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	RW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 18:00	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	FB-EPA
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, field blank				

					Begin	End
Aliquot:	151015-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151015	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	RW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 18:00	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	FB-EPA
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, field blank				

					Begin	End
Aliquot:	151015-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	1.10	0.5	J-
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	99	81	128	
4-Bromofluorobenzene	101	91	119	
Toluene-d8	109	88	123	

Field Comments

Lab Comments

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery. Methylene chloride estimated due to elevated QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151016	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	RW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 00:00	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	TB-EPA
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, trip blank				

					Begin	End
Aliquot:	151016-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	UJ
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	151016	**Test:**	USEPA 8260B	**Batch:**	8260_0510-031313
Date Received:	03/07/2013 14:46	**Matrix**	RW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			03/06/2013 00:00	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	TB-EPA
Client:	DMWM			**External ID:**	
Location:	Etown C&DD Landfill, trip blank				

					Begin	End
Aliquot:	151016-(WAT)-1	**Dilution:**	1	**Prep Date:**	03/11/2013	03/11/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	03/11/2013	03/11/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	1.47	0.5	J-
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	101	81	128	
4-Bromofluorobenzene	100	91	119	
Toluene-d8	108	88	123	

Field Comments

Lab Comments

QC / Sample Comments 8260: Acrylonitrile estimated due to poor QC recovery. Methylene chloride estimated due to elevated QC recovery.

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Duplicate / Duplicate Spike Report

Duplicate 1:	MS151006-(WAT)-1	**Analysis Date:**	03/11/2013 17:05	**Test:**	USEPA 8260B
Duplicate 2:	MSD151006-(WAT)-1	**Analysis Date:**	03/11/2013 17:37	**Units:**	ug/L
Batch:	8260_0510-031313	**Analyst:**	AJAMAL	**Matrix:**	GW

Analyte Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)		Qualifier
Benzene	10.8	10.6	2	0	20	
Chlorobenzene	11.6	11.6	0	0	20	
1,1-Dichloroethene	12.7	12.5	2	0	20	
Toluene	11.6	11.5	1	0	20	
Trichloroethene	11.9	11.6	3	0	20	
Surrogate Recovery (%)						
1,2-Dichloroethane-d4	97	100		81	128	
4-Bromofluorobenzene	98	100		91	119	
Toluene-d8	104	106		88	123	

* Outside acceptance limits

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	150996				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/07/2013 8:11 AM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-3
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-3				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	310	10	mg/L	03/11/2013	
pH	pH	P403	7.46		s.u.	03/08/2013	PT
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	03/14/2013	
ICP-SW846_(WAT)	Barium	P1007	39	15	ug/L	03/14/2013	
ICP-SW846_(WAT)	Calcium	P916	89	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	292	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Iron	P1045	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	17	1	mg/L	03/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	<10	10	ug/L	03/14/2013	
ICP-SW846_(WAT)	Potassium	P937	<2	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Sodium	P929	5	5	mg/L	03/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	153	30	ug/L	03/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	03/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Arsenic	P1002	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cobalt	P1037	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Copper	P1042	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Nickel	P1067	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	03/18/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	03/22/2013	
Turbidity	Turbidity	P82079	3.80	1	ntu	03/07/2013	
Alkalinity	Alkalinity	P410	256	5	mg/L	03/12/2013	
Ammonia	Ammonia	P610	<0.050	0.05	mg/L	03/18/2013	
COD	COD	P340	<20	20	mg/L	03/15/2013	
Carb_Bicarb	Bicarbonate	P0440	256	5	mg/L	03/12/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	03/12/2013	
Chloride	Chloride	P940	6.6	5	mg/L	03/08/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	03/08/2013	
Nitrate	Nitrate+nitrite	P630	3.21	0.1	mg/L	03/18/2013	
Sulfate	Sulfate	P945	11.2	10	mg/L	03/08/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	150996				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/07/2013 8:11 AM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-3
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-3				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.025	0.01	mg/L	03/18/2013	

Field Comments

Lab Comments

QC / Sample Comments

Approved By VDESHMUKH **On** 03/28/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	150997				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/07/2013 9:10 AM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-4
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-4				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	592	10	mg/L	03/11/2013	
pH	pH	P403	7.25		s.u.	03/08/2013	PT
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	03/14/2013	
ICP-SW846_(WAT)	Barium	P1007	48	15	ug/L	03/14/2013	
ICP-SW846_(WAT)	Calcium	P916	141	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	496	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Iron	P1045	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	35	1	mg/L	03/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	<10	10	ug/L	03/14/2013	
ICP-SW846_(WAT)	Potassium	P937	2	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Sodium	P929	20	5	mg/L	03/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	308	30	ug/L	03/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	03/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Arsenic	P1002	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cobalt	P1037	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Copper	P1042	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Nickel	P1067	2.8	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	03/18/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	03/22/2013	
Turbidity	Turbidity	P82079	1.02	1	ntu	03/07/2013	
Alkalinity	Alkalinity	P410	351	5	mg/L	03/12/2013	
Ammonia	Ammonia	P610	<0.050	0.05	mg/L	03/18/2013	
COD	COD	P340	<20	20	mg/L	03/15/2013	
Carb_Bicarb	Bicarbonate	P0440	351	5	mg/L	03/12/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	03/12/2013	
Chloride	Chloride	P940	46.5	5	mg/L	03/08/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	03/08/2013	UJ
Nitrate	Nitrate+nitrite	P630	1.35	0.1	mg/L	03/18/2013	
Sulfate	Sulfate	P945	82.8	10	mg/L	03/08/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	150997				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/07/2013 9:10 AM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-4
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-4				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.072	0.01	mg/L	03/18/2013	

Field Comments

Lab Comments

QC / Sample Comments CN: Sample pH <12 before distillation, results are qualified.

Approved By VDESHMUKH **On** 03/28/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	150998				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 10:19 AM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-5
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-5				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	404	10	mg/L	03/11/2013	
pH	pH	P403	7.46		s.u.	03/08/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	588	200	ug/L	03/14/2013	
ICP-SW846_(WAT)	Barium	P1007	66	15	ug/L	03/14/2013	
ICP-SW846_(WAT)	Calcium	P916	110	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	374	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Iron	P1045	1450	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	24	1	mg/L	03/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	34	10	ug/L	03/14/2013	
ICP-SW846_(WAT)	Potassium	P937	2	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Sodium	P929	9	5	mg/L	03/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	220	30	ug/L	03/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	03/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Arsenic	P1002	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cobalt	P1037	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Copper	P1042	2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Nickel	P1067	3.1	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	03/18/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	03/22/2013	
Turbidity	Turbidity	P82079	25.6	1	ntu	03/07/2013	
Alkalinity	Alkalinity	P410	286	5	mg/L	03/12/2013	
Ammonia	Ammonia	P610	<0.050	0.05	mg/L	03/18/2013	
COD	COD	P340	<20	20	mg/L	03/15/2013	
Carb_Bicarb	Bicarbonate	P0440	286	5	mg/L	03/12/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	03/12/2013	
Chloride	Chloride	P940	21.7	5	mg/L	03/08/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	03/08/2013	
Nitrate	Nitrate+nitrite	P630	3.99	0.1	mg/L	03/18/2013	
Sulfate	Sulfate	P945	34.7	10	mg/L	03/08/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	150998				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 10:19 AM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-5
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-5				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.038	0.01	mg/L	03/18/2013	

Field Comments

Lab Comments

QC / Sample Comments

Approved By VDESHMUKH **On** 03/28/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	150999				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 11:24 AM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-5s
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-5s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	744	10	mg/L	03/11/2013	
pH	pH	P403	7.08		s.u.	03/08/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	03/14/2013	
ICP-SW846_(WAT)	Barium	P1007	218	15	ug/L	03/14/2013	
ICP-SW846_(WAT)	Calcium	P916	162	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	602	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Iron	P1045	266	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	48	1	mg/L	03/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	843	10	ug/L	03/14/2013	
ICP-SW846_(WAT)	Potassium	P937	12	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Sodium	P929	40	5	mg/L	03/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	1060	30	ug/L	03/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	03/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Arsenic	P1002	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cobalt	P1037	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Copper	P1042	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Nickel	P1067	6.8	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	03/18/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	03/22/2013	
Turbidity	Turbidity	P82079	2.00	1	ntu	03/07/2013	
Alkalinity	Alkalinity	P410	522	5	mg/L	03/12/2013	
Ammonia	Ammonia	P610	0.745	0.05	mg/L	03/18/2013	
COD	COD	P340	<20	20	mg/L	03/15/2013	
Carb_Bicarb	Bicarbonate	P0440	522	5	mg/L	03/12/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	03/12/2013	
Chloride	Chloride	P940	32.5	5	mg/L	03/08/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	03/08/2013	UJ
Nitrate	Nitrate+nitrite	P630	0.52	0.1	mg/L	03/18/2013	
Sulfate	Sulfate	P945	90.3	10	mg/L	03/08/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	150999				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected		03/06/2013 11:24 AM		**Station ID**	
Program	CO-DMWM			**Customer ID**	W-5s
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-5s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.034	0.01	mg/L	03/18/2013	

Field Comments

Lab Comments

QC / Sample Comments CN: Sample pH <12 before distillation, results are qualified.

Approved By VDESHMUKH **On** 03/28/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151000				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 4:23 PM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-1
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-1				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	772	10	mg/L	03/11/2013	
pH	pH	P403	7.06		s.u.	03/08/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	03/14/2013	
ICP-SW846_(WAT)	Barium	P1007	249	15	ug/L	03/14/2013	
ICP-SW846_(WAT)	Calcium	P916	128	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	575	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Iron	P1045	72	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	62	1	mg/L	03/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	1670	10	ug/L	03/14/2013	
ICP-SW846_(WAT)	Potassium	P937	18	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Sodium	P929	58	5	mg/L	03/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	1120	30	ug/L	03/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	03/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Arsenic	P1002	2.6	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cobalt	P1037	9.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Copper	P1042	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Nickel	P1067	17.5	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	03/18/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	03/22/2013	
Turbidity	Turbidity	P82079	1.02	1	ntu	03/07/2013	
Alkalinity	Alkalinity	P410	488	5	mg/L	03/12/2013	
Ammonia	Ammonia	P610	6.07	0.25	mg/L	03/18/2013	
COD	COD	P340	47	20	mg/L	03/15/2013	
Carb_Bicarb	Bicarbonate	P0440	488	5	mg/L	03/12/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	03/12/2013	
Chloride	Chloride	P940	57.2	5	mg/L	03/08/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	03/08/2013	UJ
Nitrate	Nitrate+nitrite	P630	<0.10	0.1	mg/L	03/18/2013	
Sulfate	Sulfate	P945	116	10	mg/L	03/08/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151000				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 4:23 PM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-1
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-1				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.068	0.01	mg/L	03/18/2013	

Field Comments

Lab Comments

QC / Sample Comments CN: Sample pH <12 before distillation, results are qualified.

Approved By VDESHMUKH **On** 03/28/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151001				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 5:11 PM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-1s
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-1s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	1690	10	mg/L	03/11/2013	
pH	pH	P403	6.91		s.u.	03/08/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	03/14/2013	
ICP-SW846_(WAT)	Barium	P1007	248	15	ug/L	03/14/2013	
ICP-SW846_(WAT)	Calcium	P916	254	20	mg/L	03/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	1210	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Iron	P1045	2070	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	140	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	739	10	ug/L	03/14/2013	
ICP-SW846_(WAT)	Potassium	P937	48	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Sodium	P929	131	5	mg/L	03/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	3830	30	ug/L	03/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	03/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Arsenic	P1002	7.6	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Chromium	P1034	3.6	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cobalt	P1037	4.5	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Copper	P1042	7.1	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Nickel	P1067	32.8	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Selenium	P1147	3.3	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	03/18/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	03/22/2013	
Turbidity	Turbidity	P82079	18.1	1	ntu	03/07/2013	
Alkalinity	Alkalinity	P410	1070	10	mg/L	03/12/2013	
Ammonia	Ammonia	P610	10.7	0.25	mg/L	03/18/2013	
COD	COD	P340	125	20	mg/L	03/15/2013	
Carb_Bicarb	Bicarbonate	P0440	1070	5	mg/L	03/12/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	03/12/2013	
Chloride	Chloride	P940	71.6	5	mg/L	03/08/2013	
Cyanide_Free	Cyanide, Free	P718	12	5	ug/L	03/08/2013	J
Nitrate	Nitrate+nitrite	P630	0.67	0.1	mg/L	03/18/2013	
Sulfate	Sulfate	P945	274	50	mg/L	03/08/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151001				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 5:11 PM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-1s
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-1s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.188	0.01	mg/L	03/18/2013	

Field Comments

Lab Comments

QC / Sample Comments CN: Sample pH <12 before distillation, results are qualified.

Approved By VDESHMUKH **On** 03/28/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151002				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 2:56 PM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-2
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-2				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	410	10	mg/L	03/11/2013	
pH	pH	P403	7.40		s.u.	03/08/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	345	200	ug/L	03/14/2013	
ICP-SW846_(WAT)	Barium	P1007	82	15	ug/L	03/14/2013	
ICP-SW846_(WAT)	Calcium	P916	107	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	354	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Iron	P1045	520	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	21	1	mg/L	03/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	19	10	ug/L	03/14/2013	
ICP-SW846_(WAT)	Potassium	P937	2	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Sodium	P929	9	5	mg/L	03/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	350	30	ug/L	03/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	03/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Arsenic	P1002	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cobalt	P1037	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Copper	P1042	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Nickel	P1067	2.9	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	03/18/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	03/22/2013	
Turbidity	Turbidity	P82079	26.8	1	ntu	03/07/2013	
Alkalinity	Alkalinity	P410	310	5	mg/L	03/12/2013	
Ammonia	Ammonia	P610	0.149	0.05	mg/L	03/18/2013	
COD	COD	P340	<20	20	mg/L	03/15/2013	
Carb_Bicarb	Bicarbonate	P0440	310	5	mg/L	03/12/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	03/12/2013	
Chloride	Chloride	P940	9.7	5	mg/L	03/08/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	03/08/2013	UJ
Nitrate	Nitrate+nitrite	P630	2.33	0.1	mg/L	03/18/2013	
Sulfate	Sulfate	P945	23.0	10	mg/L	03/08/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151002				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 2:56 PM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-2
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-2				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.052	0.01	mg/L	03/18/2013	

Field Comments

Lab Comments

QC / Sample Comments CN: Sample pH <12 before distillation, results are qualified.

Approved By VDESHMUKH **On** 03/28/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151003				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 1:04 PM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-2s
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-2s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	548	10	mg/L	03/11/2013	
pH	pH	P403	7.13		s.u.	03/08/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	03/14/2013	
ICP-SW846_(WAT)	Barium	P1007	137	15	ug/L	03/14/2013	
ICP-SW846_(WAT)	Calcium	P916	142	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	458	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Iron	P1045	113	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	25	1	mg/L	03/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	2160	10	ug/L	03/14/2013	
ICP-SW846_(WAT)	Potassium	P937	6	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Sodium	P929	20	5	mg/L	03/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	607	30	ug/L	03/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	03/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Arsenic	P1002	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cobalt	P1037	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Copper	P1042	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Nickel	P1067	6.6	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	03/18/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	03/22/2013	
Turbidity	Turbidity	P82079	1.73	1	ntu	03/07/2013	
Alkalinity	Alkalinity	P410	383	5	mg/L	03/12/2013	
Ammonia	Ammonia	P610	0.175	0.05	mg/L	03/18/2013	
COD	COD	P340	<20	20	mg/L	03/15/2013	
Carb_Bicarb	Bicarbonate	P0440	383	5	mg/L	03/12/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	03/12/2013	
Chloride	Chloride	P940	39.9	5	mg/L	03/08/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	03/08/2013	UJ
Nitrate	Nitrate+nitrite	P630	<0.10	0.1	mg/L	03/18/2013	
Sulfate	Sulfate	P945	62.4	10	mg/L	03/08/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151003				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 1:04 PM	**Station ID**	
Program	CO-DMWM			**Customer ID**	W-2s
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well W-2s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.034	0.01	mg/L	03/18/2013	

Field Comments

Lab Comments

QC / Sample Comments CN: Sample pH <12 before distillation, results are qualified.

Approved By VDESHMUKH **On** 03/28/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151004				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 12:00 AM	**Station ID**	
Program	CO-DMWM			**Customer ID**	DUP
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well duplicate sample				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	1690	10	mg/L	03/11/2013	
pH	pH	P403	7.09		s.u.	03/08/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	03/14/2013	
ICP-SW846_(WAT)	Barium	P1007	255	15	ug/L	03/14/2013	
ICP-SW846_(WAT)	Calcium	P916	258	20	mg/L	03/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	1230	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Iron	P1045	2270	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	142	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	750	10	ug/L	03/14/2013	
ICP-SW846_(WAT)	Potassium	P937	48	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Sodium	P929	131	5	mg/L	03/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	3830	30	ug/L	03/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	03/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Arsenic	P1002	8.2	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Chromium	P1034	3.6	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cobalt	P1037	4.6	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Copper	P1042	6.9	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Nickel	P1067	32.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Selenium	P1147	3.6	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	03/18/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	03/22/2013	
Turbidity	Turbidity	P82079	13.0	1	ntu	03/07/2013	
Alkalinity	Alkalinity	P410	1090	10	mg/L	03/12/2013	
Ammonia	Ammonia	P610	10.8	0.25	mg/L	03/18/2013	
COD	COD	P340	112	20	mg/L	03/15/2013	
Carb_Bicarb	Bicarbonate	P0440	1090	5	mg/L	03/12/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	03/12/2013	
Chloride	Chloride	P940	70.3	5	mg/L	03/08/2013	
Cyanide_Free	Cyanide, Free	P718	10	5	ug/L	03/08/2013	J
Nitrate	Nitrate+nitrite	P630	0.63	0.1	mg/L	03/18/2013	
Sulfate	Sulfate	P945	269	50	mg/L	03/08/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151004				
Date Received	03/07/2013 2:38 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 12:00 AM	**Station ID**	
Program	CO-DMWM			**Customer ID**	DUP
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, well duplicate sample				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.196	0.01	mg/L	03/18/2013	

Field Comments

Lab Comments

QC / Sample Comments CN: Sample pH <12 before distillation, results are qualified.

Approved By VDESHMUKH **On** 03/28/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	151005				
Date Received	03/07/2013 2:38 PM	**Matrix**	RW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			03/06/2013 6:00 PM	**Station ID**	
Program	CO-DMWM			**Customer ID**	FB-EPA
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C&DD Landfill, field blank				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	<10	10	mg/L	03/11/2013	
pH	pH	P403	6.04		s.u.	03/08/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	03/14/2013	
ICP-SW846_(WAT)	Barium	P1007	<15	15	ug/L	03/14/2013	
ICP-SW846_(WAT)	Calcium	P916	<2	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	<10	10	mg/L	03/14/2013	
ICP-SW846_(WAT)	Iron	P1045	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	<1	1	mg/L	03/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	<10	10	ug/L	03/14/2013	
ICP-SW846_(WAT)	Potassium	P937	<2	2	mg/L	03/14/2013	
ICP-SW846_(WAT)	Sodium	P929	<5	5	mg/L	03/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	<30	30	ug/L	03/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	03/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	03/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Arsenic	P1002	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Cobalt	P1037	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Copper	P1042	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Nickel	P1067	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	03/18/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	03/18/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	03/18/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	03/22/2013	
Turbidity	Turbidity	P82079	<1.00	1	ntu	03/07/2013	
Alkalinity	Alkalinity	P410	<5.0	5	mg/L	03/12/2013	
Ammonia	Ammonia	P610	<0.050	0.05	mg/L	03/18/2013	
COD	COD	P340	<20	20	mg/L	03/15/2013	
Carb_Bicarb	Bicarbonate	P0440	<5.0	5	mg/L	03/12/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	03/12/2013	
Chloride	Chloride	P940	<5.0	5	mg/L	03/08/2013	
Nitrate	Nitrate+nitrite	P630	<0.10	0.1	mg/L	03/18/2013	
Sulfate	Sulfate	P945	<5.0	5	mg/L	03/08/2013	

OhioEPA Division of Environmental Services
Batch Report

Batch: ALK_0975-031113

Approved By: VDESHMUKH **On** 03/14/2013 09:26 **Status:** R **Test:** USEPA 310.1
Created By: RHOLLAND **ELIMS Analysis:** Alkalinity **Surrogate:**
Analyst: RHOLLAND **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	245999-BL-1		245999-BL		
2	BL	BLANK_CHECK	246000-BL-1		246000-BL		
3	QCS	QCS_PR	246001-QCS-1	ALK-QCS	246001-QCS		
10	150996	SAMPLE	150996-(WAT)-1		150996-(WAT)		Etown C&DD Lar
11	150997	SAMPLE	150997-(WAT)-1		150997-(WAT)		Etown C&DD Lar
12	150998	SAMPLE	150998-(WAT)-1		150998-(WAT)		Etown C&DD Lar
13	150999	SAMPLE	150999-(WAT)-1		150999-(WAT)		Etown C&DD Lar
14	151000	SAMPLE	151000-(WAT)-1		151000-(WAT)		Etown C&DD Lar
15	151001	SAMPLE	151001-(WAT)-1 \ 1		151001-(WAT)		Etown C&DD Lar
16	DUP	RPD	DUP151001-(WAT)-1 \ 2		151001-(WAT)		Etown C&DD Lar
17	151002	SAMPLE	151002-(WAT)-1		151002-(WAT)		Etown C&DD Lar
18	151003	SAMPLE	151003-(WAT)-1		151003-(WAT)		Etown C&DD Lar
19	151004	SAMPLE	151004-(WAT)-1		151004-(WAT)	FD	Etown C&DD Lar
20	151005	SAMPLE	151005-(WAT)-1		151005-(WAT)	FB	Etown C&DD Lar

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	245999-BL-1	**Test:**	USEPA 310.1
Batch:	ALK_0975-031113	**Units:**	mg/L
Analysis Date:	03/12/2013 10:35	**Analyst:**	RHOLLAND

Analyte	Result	RL	Qualifier
Alkalinity	0	5	

Blank:	246000-BL-1	**Test:**	USEPA 310.1
Batch:	ALK_0975-031113	**Units:**	mg/L
Analysis Date:	03/12/2013 10:37	**Analyst:**	RHOLLAND

Analyte	Result	RL	Qualifier
Alkalinity	0	5	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	151001-(WAT)-1	**Analysis Date:**	03/12/2013 12:35	**Test:**	USEPA 310.1
Duplicate 2:	DUP151001-(WAT)-1 \ 2	**Analysis Date:**	03/12/2013 12:48	**Units:**	mg/L
Batch:	ALK_0975-031113	**Analyst:**	RHOLLAND	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Alkalinity		1070	1030	4	0 10	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	246001-QCS-1	**Test:**	USEPA 310.1
Batch:	ALK_0975-031113	**Units:**	mg/L
Analysis Date:	03/12/2013 10:40	**Analyst:**	RHOLLAND

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Alkalinity	105	114	92	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: AMMONIA_0602-031813

Approved By: VDESHMUKH **On** 03/19/2013 08:35 **Status:** R **Test:** USEPA 350.1
Created By: RSHESKY **ELIMS Analysis:** Ammonia **Surrogate:**
Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QCS	QCS_PR	246461-QCS-1	NH3-QCS	246461-QCS		
2	BSPK	BLKSPK_PR	BSPK246441-BL-1 \ 2	NH3-SPK	246441-BL		
3	IPC	IPC_PR	246452-IPC-1	NH3-IPC	246452-IPC		
4	BL	BLANK_CHECK	246441-BL-1 \ 1		246441-BL		
5	BL	BLANK_CHECK	246442-BL-1		246442-BL		
6	IPC	IPC_PR	246453-IPC-1	NH3-IPC	246453-IPC		
11	150996	SAMPLE	150996-(WAT)-2		150996-(WAT)		Etown C&DD Lar
12	150997	SAMPLE	150997-(WAT)-2		150997-(WAT)		Etown C&DD Lar
13	150998	SAMPLE	150998-(WAT)-2		150998-(WAT)		Etown C&DD Lar
14	150999	SAMPLE	150999-(WAT)-2		150999-(WAT)		Etown C&DD Lar
15	DUP	RPD	DUP150993-(WAT)-2 \ 3		150993-(WAT)		2 - MOHICAN R.
16	151002	SAMPLE	151002-(WAT)-2		151002-(WAT)		Etown C&DD Lar
17	BL	BLANK_CHECK	246443-BL-1		246443-BL		
18	IPC	IPC_PR	246454-IPC-1	NH3-IPC	246454-IPC		
19	151003	SAMPLE	151003-(WAT)-2 \ 1		151003-(WAT)		Etown C&DD Lar
20	DUP	RPD	DUP151003-(WAT)-2 \ 3		151003-(WAT)		Etown C&DD Lar
21	MS	MATRIX_SPIKE_PR	MS151003-(WAT)-2 \ 2	NH3-SPK	151003-(WAT)		Etown C&DD Lar
29	BL	BLANK_CHECK	246444-BL-1		246444-BL		
30	IPC	IPC_PR	246455-IPC-1	NH3-IPC	246455-IPC		
57	BL	BLANK_CHECK	246446-BL-1		246446-BL		
58	IPC	IPC_PR	246457-IPC-1	NH3-IPC	246457-IPC		
70	151005	SAMPLE	151005-(WAT)-2		151005-(WAT)	FB	Etown C&DD Lar
71	BL	BLANK_CHECK	246447-BL-1		246447-BL		
72	IPC	IPC_PR	246458-IPC-1	NH3-IPC	246458-IPC		
99	BL	BLANK_CHECK	246449-BL-1		246449-BL		
100	IPC	IPC_PR	246460-IPC-1	NH3-IPC	246460-IPC		
108	151000	SAMPLE	151000-(WAT)-2		151000-(WAT)		Etown C&DD Lar
109	151001	SAMPLE	151001-(WAT)-2		151001-(WAT)		Etown C&DD Lar
110	151004	SAMPLE	151004-(WAT)-2		151004-(WAT)	FD	Etown C&DD Lar
111	BL	BLANK_CHECK	246450-BL-1		246450-BL		
112	IPC	IPC_PR	246451-IPC-1	NH3-IPC	246451-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246441-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:34	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.033	0.05	

Blank:	246442-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:59	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.033	0.05	

Blank:	246443-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 10:10	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.034	0.05	

Blank:	246444-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 10:44	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.033	0.05	

Blank:	246446-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 11:06	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.032	0.05	

Blank:	246447-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 11:29	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.033	0.05	

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246449-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 12:00	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.033	0.05	

Blank:	246450-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 13:45	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.031	0.05	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	151003-(WAT)-2	**Analysis Date:**	03/18/2013 10:10	**Test:**	USEPA 350.1
Spike:	MS151003-(WAT)-2	**Analysis Date:**	03/18/2013 10:10	**Units:**	mg/L
Batch:	AMMONIA_0602-031813	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Ammonia		0.175	2.63	2.5	98	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	150993-(WAT)-2	**Analysis Date:**	03/18/2013 09:59	**Test:**	USEPA 350.1
Duplicate 2:	DUP150993-(WAT)-2 \ 3	**Analysis Date:**	03/18/2013 10:10	**Units:**	mg/L
Batch:	AMMONIA_0602-031813	**Analyst:**	RSHESKY	**Matrix:**	SW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Ammonia		0.062	0.057	8	0	40

Duplicate 1:	151003-(WAT)-2	**Analysis Date:**	03/18/2013 10:10	**Test:**	USEPA 350.1
Duplicate 2:	DUP151003-(WAT)-2 \ 3	**Analysis Date:**	03/18/2013 10:10	**Units:**	mg/L
Batch:	AMMONIA_0602-031813	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Ammonia		0.175	0.177	1	0	40

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	246452-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:34	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.94	3	98	90	110	

IPC:	246453-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:59	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.86	3	95	90	110	

IPC:	246454-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 10:10	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.88	3	96	90	110	

IPC:	246455-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 10:44	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.85	3	95	90	110	

IPC:	246457-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 11:06	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.93	3	98	90	110	

IPC:	246458-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 11:29	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.87	3	96	90	110	

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	246460-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 12:00	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.89	3	96	90	110	

IPC:	246451-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 13:45	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.93	3	98	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	246461-QCS-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0602-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:33	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	0.933	0.89	105	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	246441-BL-1	**Analysis Date:**	03/18/2013 09:34	**Test:**	USEPA 350.1
LFB:	BSPK246441-BL-1	**Analysis Date:**	03/18/2013 09:33	**Units:**	mg/L
Batch:	AMMONIA_0602-031813	**Analyst:**	RSHESKY	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Ammonia		<0.050	2.46	2.5	97	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: CARB_BICARB_0184-031213

Approved By: VDESHMUKH **On** 03/14/2013 09:26 **Status:** R **Test:** SM 2320B
Created By: RHOLLAND **ELIMS Analysis:** Carb_Bicarb **Surrogate:**
Analyst: RHOLLAND **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	150996	SAMPLE	150996-(WAT)-1		150996-(WAT)		Etown C&DD Lar
2	150997	SAMPLE	150997-(WAT)-1		150997-(WAT)		Etown C&DD Lar
3	150998	SAMPLE	150998-(WAT)-1		150998-(WAT)		Etown C&DD Lar
4	150999	SAMPLE	150999-(WAT)-1		150999-(WAT)		Etown C&DD Lar
5	151000	SAMPLE	151000-(WAT)-1		151000-(WAT)		Etown C&DD Lar
6	151001	SAMPLE	151001-(WAT)-1 \ 1		151001-(WAT)		Etown C&DD Lar
7	DUP	RPD	DUP151001-(WAT)-1 \ 3		151001-(WAT)		Etown C&DD Lar
8	151002	SAMPLE	151002-(WAT)-1		151002-(WAT)		Etown C&DD Lar
9	151003	SAMPLE	151003-(WAT)-1		151003-(WAT)		Etown C&DD Lar
10	151004	SAMPLE	151004-(WAT)-1		151004-(WAT)	FD	Etown C&DD Lar
11	151005	SAMPLE	151005-(WAT)-1		151005-(WAT)	FB	Etown C&DD Lar

Comments:

OhioEPA Division of Environmental Services
Batch Report

Batch: CL_0972-030813

Approved By: VDESHMUKH **On** 03/11/2013 09:49 **Status:** R **Test:** USEPA 325.1
Created By: CRHINOCK **ELIMS Analysis:** Chloride **Surrogate:**
Analyst: CRHINOCK **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	245920-BL-1 \ 1		245920-BL		
2	IPC	IPC_PR	245927-IPC-1	CL-SPK	245927-IPC		
3	BSPK	BLKSPK_PR	BSPK245920-BL-1 \ 2	CL-SPK	245920-BL		
4	QCS	QCS_PR	245932-QCS-1	CL-QCS	245932-QCS		
5	BL	BLANK_CHECK	245921-BL-1		245921-BL		
6	IPC	IPC_PR	245928-IPC-1	CL-SPK	245928-IPC		
17	BL	BLANK_CHECK	245922-BL-1		245922-BL		
18	IPC	IPC_PR	245929-IPC-1	CL-SPK	245929-IPC		
19	150996	SAMPLE	150996-(WAT)-1 \ 1		150996-(WAT)		Etown C&DD Lar
20	DUP	RPD	DUP150996-(WAT)-1 \ 2		150996-(WAT)		Etown C&DD Lar
21	150997	SAMPLE	150997-(WAT)-1		150997-(WAT)		Etown C&DD Lar
22	150998	SAMPLE	150998-(WAT)-1		150998-(WAT)		Etown C&DD Lar
23	150999	SAMPLE	150999-(WAT)-1		150999-(WAT)		Etown C&DD Lar
24	151000	SAMPLE	151000-(WAT)-1		151000-(WAT)		Etown C&DD Lar
25	151001	SAMPLE	151001-(WAT)-1		151001-(WAT)		Etown C&DD Lar
26	151002	SAMPLE	151002-(WAT)-1		151002-(WAT)		Etown C&DD Lar
27	151003	SAMPLE	151003-(WAT)-1		151003-(WAT)		Etown C&DD Lar
28	151004	SAMPLE	151004-(WAT)-1		151004-(WAT)	FD	Etown C&DD Lar
29	BL	BLANK_CHECK	245923-BL-1		245923-BL		
30	IPC	IPC_PR	245930-IPC-1	CL-SPK	245930-IPC		
31	151005	SAMPLE	151005-(WAT)-1		151005-(WAT)	FB	Etown C&DD Lar
37	MS	MATRIX_SPIKE_PR	MS150996-(WAT)-1 \ 3	CL-SPK	150996-(WAT)		Etown C&DD Lar
38	BL	BLANK_CHECK	245924-BL-1		245924-BL		
39	IPC	IPC_PR	245931-IPC-1	CL-SPK	245931-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	245920-BL-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 08:32	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Chloride	-0.8	5	

Blank:	245921-BL-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 08:53	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Chloride	-1	5	

Blank:	245922-BL-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 09:00	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Chloride	-1.1	5	

Blank:	245923-BL-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 09:02	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Chloride	-1.1	5	

Blank:	245924-BL-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 09:06	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Chloride	-1.2	5	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	150996-(WAT)-1	**Analysis Date:**	03/08/2013 09:00	**Test:**	USEPA 325.1
Spike:	MS150996-(WAT)-1	**Analysis Date:**	03/08/2013 09:02	**Units:**	mg/L
Batch:	CL_0972-030813	**Analyst:**	CRHINOCK	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Chloride		6.6	109	100	102	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	150996-(WAT)-1	**Analysis Date:**	03/08/2013 09:00	**Test:**	USEPA 325.1
Duplicate 2:	DUP150996-(WAT)-1 \ 2	**Analysis Date:**	03/08/2013 09:00	**Units:**	mg/L
Batch:	CL_0972-030813	**Analyst:**	CRHINOCK	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Chloride		6.6	6.5	2	0 40	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	245927-IPC-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 08:32	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	99.5	100	100	90	110	

IPC:	245928-IPC-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 08:53	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	99	100	99	90	110	

IPC:	245929-IPC-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 09:00	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	99.4	100	99	90	110	

IPC:	245930-IPC-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 09:02	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	98.9	100	99	90	110	

IPC:	245931-IPC-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 09:06	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	99.2	100	99	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	245932-QCS-1	**Test:**	USEPA 325.1
Batch:	CL_0972-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 08:32	**Analyst:**	CRHINOCK

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	117	114	103	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	245920-BL-1	**Analysis Date:**	03/08/2013 08:32	**Test:**	USEPA 325.1
LFB:	BSPK245920-BL-1	**Analysis Date:**	03/08/2013 08:32	**Units:**	mg/L
Batch:	CL_0972-030813	**Analyst:**	CRHINOCK	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Chloride		<5.0	101	100	102	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: CN_0493-030813

Approved By: VDESHMUKH **On** 03/28/2013 09:16 **Status:** R **Test:** SM 4500-CNI
Created By: RSHESKY **ELIMS Analysis:** Cyanide_Free **Surrogate:**
Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BLC	BLANK_CAL_CHK	245968-BLC-1		245968-BLC		
2	IPC	IPC_PR	245974-IPC-1	CN-IPC	245974-IPC		
3	BLC	BLANK_CAL_CHK	245969-BLC-1		245969-BLC		
4	IPC	IPC_PR	245975-IPC-1	CN-IPC	245975-IPC		
5	BL	BLANK_CHECK	245978-BL-1 \ 1		245978-BL		
6	BSPK	BLKSPK_PR	BSPK245978-BL-1 \ 2	CN-SPK	245978-BL		
7	QCS	QCS_PR	245979-QCS-1	CN-QCS	245979-QCS		
11	150996	SAMPLE	150996-(WAT)-3		150996-(WAT)		Etown C&DD Lar
12	150997	SAMPLE	150997-(WAT)-3		150997-(WAT)		Etown C&DD Lar
13	150998	SAMPLE	150998-(WAT)-3		150998-(WAT)		Etown C&DD Lar
14	150999	SAMPLE	150999-(WAT)-3		150999-(WAT)		Etown C&DD Lar
15	BLC	BLANK_CAL_CHK	245970-BLC-1		245970-BLC		
16	IPC	IPC_PR	245976-IPC-1	CN-IPC	245976-IPC		
17	151000	SAMPLE	151000-(WAT)-3		151000-(WAT)		Etown C&DD Lar
18	151001	SAMPLE	151001-(WAT)-3		151001-(WAT)		Etown C&DD Lar
19	151002	SAMPLE	151002-(WAT)-3		151002-(WAT)		Etown C&DD Lar
20	151003	SAMPLE	151003-(WAT)-3		151003-(WAT)		Etown C&DD Lar
21	151004	SAMPLE	151004-(WAT)-3		151004-(WAT)	FD	Etown C&DD Lar
22	BLC	BLANK_CAL_CHK	245971-BLC-1		245971-BLC		
23	IPC	IPC_PR	245977-IPC-1	CN-IPC	245977-IPC		
24	BLC	BLANK_CAL_CHK	245972-BLC-1		245972-BLC		
25	IPC	IPC_PR	245973-IPC-1	CN-IPC	245973-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	245978-BL-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:21	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Cyanide, Free	0	5	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Calibration Blank Report

Blank:	245968-BLC-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:00	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Cyanide, Free	<5	5	

Blank:	245969-BLC-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:20	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Cyanide, Free	<5	5	

Blank:	245970-BLC-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:28	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Cyanide, Free	<5	5	

Blank:	245971-BLC-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:33	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Cyanide, Free	<5	5	

Blank:	245972-BLC-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:36	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Cyanide, Free	<5	5	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	245974-IPC-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:00	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	50	50	100	90	110	

IPC:	245975-IPC-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:21	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	48	50	96	90	110	

IPC:	245976-IPC-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:28	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	49	50	98	90	110	

IPC:	245977-IPC-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:33	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	50	50	100	90	110	

IPC:	245973-IPC-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:36	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	51	50	102	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	245979-QCS-1	**Test:**	SM 4500-CNI
Batch:	CN_0493-030813	**Units:**	ug/L
Analysis Date:	03/08/2013 10:21	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	70	84.2	83	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	245978-BL-1	**Analysis Date:**	03/08/2013 10:21	**Test:**	SM 4500-CNI
LFB:	BSPK245978-BL-1	**Analysis Date:**	03/08/2013 10:21	**Units:**	ug/L
Batch:	CN_0493-030813	**Analyst:**	RSHESKY	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free		<5	40	41.67	96	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: COD_0707-031513

Approved By: VDESHMUKH **On** 03/18/2013 10:02 **Status:** R **Test:** SM 5220D
Created By: RSHESKY **ELIMS Analysis:** COD **Surrogate:**
Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QCS	QCS_PR	246348-QCS-1	COD-QCS	246348-QCS		
2	BSPK	BLKSPK_PR	BSPK246349-BL-1 \ 2	COD-SPK	246349-BL		
3	BL	BLANK_CHECK	246349-BL-1 \ 1		246349-BL		
4	IPC	IPC_PR	246361-IPC-1	COD-SPK	246361-IPC		
5	BL	BLANK_CHECK	246350-BL-1		246350-BL		
6	IPC	IPC_PR	246362-IPC-1	COD-SPK	246362-IPC		
19	BL	BLANK_CHECK	246351-BL-1		246351-BL		
20	IPC	IPC_PR	246363-IPC-1	COD-SPK	246363-IPC		
29	150996	SAMPLE	150996-(WAT)-2		150996-(WAT)		Etown C&DD Lar
30	150997	SAMPLE	150997-(WAT)-2		150997-(WAT)		Etown C&DD Lar
31	150998	SAMPLE	150998-(WAT)-2		150998-(WAT)		Etown C&DD Lar
32	150999	SAMPLE	150999-(WAT)-2		150999-(WAT)		Etown C&DD Lar
33	BL	BLANK_CHECK	246352-BL-1		246352-BL		
34	IPC	IPC_PR	246364-IPC-1	COD-SPK	246364-IPC		
35	151000	SAMPLE	151000-(WAT)-2 \ 1		151000-(WAT)		Etown C&DD Lar
36	DUP	RPD	DUP151000-(WAT)-2 \ 2		151000-(WAT)		Etown C&DD Lar
37	MS	MATRIX_SPIKE_PR	MS151000-(WAT)-2 \ 3	COD-SPK	151000-(WAT)		Etown C&DD Lar
38	151001	SAMPLE	151001-(WAT)-2		151001-(WAT)		Etown C&DD Lar
39	151002	SAMPLE	151002-(WAT)-2		151002-(WAT)		Etown C&DD Lar
40	151003	SAMPLE	151003-(WAT)-2		151003-(WAT)		Etown C&DD Lar
41	151004	SAMPLE	151004-(WAT)-2		151004-(WAT)	FD	Etown C&DD Lar
42	151005	SAMPLE	151005-(WAT)-2		151005-(WAT)	FB	Etown C&DD Lar
47	BL	BLANK_CHECK	246353-BL-1		246353-BL		
48	IPC	IPC_PR	246365-IPC-1	COD-SPK	246365-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246349-BL-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:49	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	3	20	

Blank:	246350-BL-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:54	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	1	20	

Blank:	246351-BL-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:56	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	4	20	

Blank:	246352-BL-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:58	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	3	20	

Blank:	246353-BL-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:59	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	3	20	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	151000-(WAT)-2	**Analysis Date:**	03/15/2013 12:58	**Test:**	SM 5220D
Spike:	MS151000-(WAT)-2	**Analysis Date:**	03/15/2013 12:58	**Units:**	mg/L
Batch:	COD_0707-031513	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
COD		47	157	100	110	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	151000-(WAT)-2	**Analysis Date:**	03/15/2013 12:58	**Test:**	SM 5220D
Duplicate 2:	DUP151000-(WAT)-2 \ 2	**Analysis Date:**	03/15/2013 12:58	**Units:**	mg/L
Batch:	COD_0707-031513	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
COD		47	50	6	0	40

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	246361-IPC-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:49	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	102	100	102	90	110	

IPC:	246362-IPC-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:54	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	101	100	101	90	110	

IPC:	246363-IPC-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:56	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	109	100	109	90	110	

IPC:	246364-IPC-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:58	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	109	100	109	90	110	

IPC:	246365-IPC-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:59	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	109	100	109	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	246348-QCS-1	**Test:**	SM 5220D
Batch:	COD_0707-031513	**Units:**	mg/L
Analysis Date:	03/15/2013 12:49	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	207	203	102	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	246349-BL-1	**Analysis Date:**	03/15/2013 12:49	**Test:**	SM 5220D
LFB:	BSPK246349-BL-1	**Analysis Date:**	03/15/2013 12:49	**Units:**	mg/L
Batch:	COD_0707-031513	**Analyst:**	RSHESKY	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
COD		<20	100	100	97	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: HG_1242-032213

Approved By: VDESHMUKH **On** 03/25/2013 10:34 **Status:** R **Test:** USEPA 7470A

Created By: MBRAND **ELIMS Analysis:** Mercury-SW846 **Surrogate:**

Analyst: MBRAND **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	LFB	LFB_CHK2	LFB246784-BLG-1 \ 2	HG-SPK	246784-BLG		
2	QCST	QCS_STD_PR	246787-QCST-1	HG-STD-QCS	246787-QCST		
3	BLG	BLANK_DIG_CHK	246784-BLG-1 \ 1		246784-BLG		
4	150996	SAMPLE	150996-(WAT)-4 \ 1		150996-(WAT)		Etown C&DD Lar
5	MS	MATRIX_SPIKE_PR	MS150996-(WAT)-4 \ 2	HG-SPK	150996-(WAT)		Etown C&DD Lar
6	MSD	MS_RPD	MSD150996-(WAT)-4 \ 3	HG-SPK	150996-(WAT)		Etown C&DD Lar
6	MSD	MS_DUPLICATE_PR	MSD150996-(WAT)-4 \ 3	HG-SPK	150996-(WAT)		Etown C&DD Lar
7	150997	SAMPLE	150997-(WAT)-4		150997-(WAT)		Etown C&DD Lar
8	150998	SAMPLE	150998-(WAT)-4		150998-(WAT)		Etown C&DD Lar
9	150999	SAMPLE	150999-(WAT)-4		150999-(WAT)		Etown C&DD Lar
10	151000	SAMPLE	151000-(WAT)-4		151000-(WAT)		Etown C&DD Lar
11	151001	SAMPLE	151001-(WAT)-4		151001-(WAT)		Etown C&DD Lar
12	151002	SAMPLE	151002-(WAT)-4		151002-(WAT)		Etown C&DD Lar
13	151003	SAMPLE	151003-(WAT)-4		151003-(WAT)		Etown C&DD Lar
14	151004	SAMPLE	151004-(WAT)-4		151004-(WAT)	FD	Etown C&DD Lar
15	QCST	QCS_STD_PR	246788-QCST-1	HG-STD-QCS	246788-QCST		
16	BLG	BLANK_DIG_CHK	246785-BLG-1		246785-BLG		
17	151005	SAMPLE	151005-(WAT)-3		151005-(WAT)	FB	Etown C&DD Lar
18	QCST	QCS_STD_PR	246789-QCST-1	HG-STD-QCS	246789-QCST		
19	BLG	BLANK_DIG_CHK	246786-BLG-1		246786-BLG		

Comments:

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	246784-BLG-1	**Analysis Date:**	03/22/2013 14:26	**Test:**	USEPA 7470A
LFB:	LFB246784-BLG-1	**Analysis Date:**	03/22/2013 14:26	**Units:**	ug/L
Batch:	HG_1242-032213	**Analyst:**	MBRAND	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Mercury		<0.20	2.34	2.44	93	85	115	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	150996-(WAT)-4	**Analysis Date:**	03/22/2013 14:26	**Test:**	USEPA 7470A
Spike:	MS150996-(WAT)-4	**Analysis Date:**	03/22/2013 14:26	**Units:**	ug/L
Batch:	HG_1242-032213	**Analyst:**	MBRAND	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Mercury		<0.20	2.55	2.44	102	70	130	

Sample:	150996-(WAT)-4	**Analysis Date:**	03/22/2013 14:26	**Test:**	USEPA 7470A
Spike:	MSD150996-(WAT)-4	**Analysis Date:**	03/22/2013 14:26	**Units:**	ug/L
Batch:	HG_1242-032213	**Analyst:**	MBRAND	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Mercury		<0.20	2.58	2.44	103	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality control sample, non-digested

QCS_STD:	246787-QCST-1	**Test:**	USEPA 7470A
Batch:	HG_1242-032213	**Units:**	ug/L
Analysis Date:	03/22/2013 14:26	**Analyst:**	MBRAND

Analyte	QCS_STD	Stock	Rec (%)	QC Limits (%)		Qualifier
Mercury	4.08	4	102	80	120	

QCS_STD:	246788-QCST-1	**Test:**	USEPA 7470A
Batch:	HG_1242-032213	**Units:**	ug/L
Analysis Date:	03/22/2013 14:27	**Analyst:**	MBRAND

Analyte	QCS_STD	Stock	Rec (%)	QC Limits (%)		Qualifier
Mercury	4.32	4	108	80	120	

QCS_STD:	246789-QCST-1	**Test:**	USEPA 7470A
Batch:	HG_1242-032213	**Units:**	ug/L
Analysis Date:	03/22/2013 14:28	**Analyst:**	MBRAND

Analyte	QCS_STD	Stock	Rec (%)	QC Limits (%)		Qualifier
Mercury	4.25	4	106	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Digested Blank Report

Blank:	246784-BLG-1	**Test:**	USEPA 7470A
Batch:	HG_1242-032213	**Units:**	ug/L
Analysis Date:	03/22/2013 14:26	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Mercury	<0.20	0.2	

Blank:	246785-BLG-1	**Test:**	USEPA 7470A
Batch:	HG_1242-032213	**Units:**	ug/L
Analysis Date:	03/22/2013 14:27	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Mercury	<0.20	0.2	

Blank:	246786-BLG-1	**Test:**	USEPA 7470A
Batch:	HG_1242-032213	**Units:**	ug/L
Analysis Date:	03/22/2013 14:28	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Mercury	<0.20	0.2	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Duplicate / Duplicate Spike Report

Duplicate 1:	MS150996-(WAT)-4	**Analysis Date:**	03/22/2013 14:26	**Test:**	USEPA 7470A
Duplicate 2:	MSD150996-(WAT)-4	**Analysis Date:**	03/22/2013 14:26	**Units:**	ug/L
Batch:	HG_1242-032213	**Analyst:**	MBRAND	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Mercury		2.55	2.58	1	0 40	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: ICP_1594-031413

Approved By: VDESHMUKH **On** 03/14/2013 13:14 **Status:** R **Test:** USEPA 6010B
Created By: SKHIDEKEL **ELIMS Analysis:** ICP-SW846_(W **Surrogate:**
Analyst: SKHIDEKEL **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	ICV	ICV_PR	246124-ICV-1	ICP-CCV	246124-ICV		
2	BL	BLANK_CHECK	246125-BL-1		246125-BL		
3	IPC	IPC_PR	246128-IPC-1	ICP-IPC	246128-IPC		
4	QCS	QCS_PR	246131-QCS-1	ICP-QCS	246131-QCS		
5	ICSI	ICSICP_PR	246132-ICSI-1	ICP-ICS	246132-ICSI		
6	BLG	BLANK_DIG_CHK	246133-BLG-1		246133-BLG		
7	150996	SAMPLE	150996-(WAT)-4		150996-(WAT)		Etown C&DD Lar
8	150997	SAMPLE	150997-(WAT)-4		150997-(WAT)		Etown C&DD Lar
9	150998	SAMPLE	150998-(WAT)-4		150998-(WAT)		Etown C&DD Lar
10	150999	SAMPLE	150999-(WAT)-4		150999-(WAT)		Etown C&DD Lar
11	151000	SAMPLE	151000-(WAT)-4		151000-(WAT)		Etown C&DD Lar
12	151001	SAMPLE	151001-(WAT)-4		151001-(WAT)		Etown C&DD Lar
13	151003	SAMPLE	151003-(WAT)-4		151003-(WAT)		Etown C&DD Lar
14	151004	SAMPLE	151004-(WAT)-4		151004-(WAT)	FD	Etown C&DD Lar
15	151005	SAMPLE	151005-(WAT)-3		151005-(WAT)	FB	Etown C&DD Lar
16	151002	SAMPLE	151002-(WAT)-4 \ 1		151002-(WAT)		Etown C&DD Lar
17	MS	MATRIX_SPIKE_PR	MS151002-(WAT)-4 \ 2	ICP-SPK	151002-(WAT)		Etown C&DD Lar
18	MSD	MS_RPD	MSD151002-(WAT)-4 \ 3	ICP-SPK	151002-(WAT)		Etown C&DD Lar
18	MSD	MS_DUPLICATE_PR	MSD151002-(WAT)-4 \ 3	ICP-SPK	151002-(WAT)		Etown C&DD Lar
19	BL	BLANK_CHECK	246126-BL-1		246126-BL		
20	IPC	IPC_PR	246129-IPC-1	ICP-IPC	246129-IPC		
21	BL	BLANK_CHECK	246127-BL-1		246127-BL		
22	IPC	IPC_PR	246130-IPC-1	ICP-IPC	246130-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246125-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 08:02	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Aluminum	-3	200	
Barium	0	15	
Calcium	0	2	
Iron	18	50	
Magnesium	0	1	
Manganese	0	10	
Potassium	0	2	
Sodium	0	5	
Strontium	0	30	
Titanium	0	50	
Vanadium	2	50	
Zinc	1	10	

Blank:	246126-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 08:54	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Aluminum	-2	200	
Barium	0	15	
Calcium	0	2	
Iron	9	50	
Magnesium	0	1	
Manganese	0	10	
Potassium	0	2	
Sodium	0	5	
Strontium	0	30	
Titanium	0	50	
Vanadium	7	50	
Zinc	0	10	

Blank:	246127-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 09:06	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Aluminum	-1	200	
Barium	0	15	
Calcium	0	2	
Iron	16	50	
Magnesium	0	1	
Manganese	0	10	
Potassium	0	2	
Sodium	0	5	

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246127-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 09:06	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Strontium	0	30	
Titanium	0	50	
Vanadium	8	50	
Zinc	-1	10	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	151002-(WAT)-4	**Analysis Date:**	03/14/2013 08:45	**Test:**	USEPA 6010B
Spike:	MS151002-(WAT)-4	**Analysis Date:**	03/14/2013 08:48	**Units:**	ug/L
Batch:	ICP_1594-031413	**Analyst:**	SKHIDEKEL	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Aluminum		345	4700	4000	109	75	125	
Barium		82	1160	1000	108	75	125	
Calcium		107	150	40	108	75	125	
Iron		520	11000	10000	105	75	125	
Magnesium		21	42	20	105	75	125	
Manganese		19	1090	1000	107	75	125	
Sodium		9	52	40	108	75	125	
Strontium		350	1430	1000	108	75	125	
Potassium		2	24	20	110	75	125	
Zinc		<10	1020	1000	102	75	125	
Vanadium		<50	1090	1000	108	75	125	
Titanium		<50	1060	1000	105	75	125	

Sample:	151002-(WAT)-4	**Analysis Date:**	03/14/2013 08:45	**Test:**	USEPA 6010B
Spike:	MSD151002-(WAT)-4	**Analysis Date:**	03/14/2013 08:51	**Units:**	ug/L
Batch:	ICP_1594-031413	**Analyst:**	SKHIDEKEL	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Aluminum		345	4760	4000	110	75	125	
Barium		82	1170	1000	109	75	125	
Calcium		107	153	40	115	75	125	
Iron		520	11100	10000	106	75	125	
Magnesium		21	42	20	105	75	125	
Manganese		19	1100	1000	108	75	125	
Sodium		9	53	40	110	75	125	
Strontium		350	1440	1000	109	75	125	
Potassium		2	24	20	110	75	125	
Zinc		<10	1020	1000	102	75	125	
Vanadium		<50	1100	1000	109	75	125	
Titanium		<50	1070	1000	106	75	125	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Digested Blank Report

Blank:	246133-BLG-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 08:14	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Aluminum	<200	200	
Barium	<15	15	
Calcium	<2	2	
Iron	<50	50	
Magnesium	<1	1	
Manganese	<10	10	
Potassium	<2	2	
Sodium	<5	5	
Strontium	<30	30	
Titanium	<50	50	
Vanadium	<50	50	
Zinc	<10	10	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	246128-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 08:05	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	9860	10000	99	90	110	
Barium	2550	2500	102	90	110	
Calcium	100	100	100	90	110	
Iron	24700	25000	99	90	110	
Magnesium	50	50	100	90	110	
Manganese	2530	2500	101	90	110	
Potassium	49	50	98	90	110	
Sodium	101	100	101	90	110	
Strontium	2510	2500	100	90	110	
Titanium	2500	2500	100	90	110	
Vanadium	2530	2500	101	90	110	
Zinc	2540	2500	102	90	110	

IPC:	246129-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 08:57	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	9930	10000	99	90	110	
Barium	2590	2500	104	90	110	
Calcium	100	100	100	90	110	
Iron	24900	25000	100	90	110	
Magnesium	51	50	102	90	110	
Manganese	2550	2500	102	90	110	
Potassium	52	50	104	90	110	
Sodium	101	100	101	90	110	
Strontium	2560	2500	102	90	110	
Titanium	2500	2500	100	90	110	
Vanadium	2590	2500	104	90	110	
Zinc	2540	2500	102	90	110	

IPC:	246130-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 09:09	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	9920	10000	99	90	110	
Barium	2590	2500	104	90	110	
Calcium	101	100	101	90	110	
Iron	24900	25000	100	90	110	
Magnesium	51	50	102	90	110	
Manganese	2540	2500	102	90	110	
Potassium	52	50	104	90	110	
Sodium	102	100	102	90	110	
Strontium	2570	2500	103	90	110	

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	246130-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 09:09	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Titanium	2490	2500	100	90	110	
Vanadium	2590	2500	104	90	110	
Zinc	2540	2500	102	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	246131-QCS-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 08:08	**Analyst:**	SKHIDEKEL

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	8320	8000	104	90	110	
Barium	2090	2000	105	90	110	
Calcium	41	40	103	90	110	
Iron	20100	20000	101	90	110	
Magnesium	42	40	105	90	110	
Manganese	2070	2000	104	90	110	
Potassium	41	40	103	90	110	
Sodium	83	80	104	90	110	
Strontium	2110	2000	106	90	110	
Titanium	2020	2000	101	90	110	
Vanadium	2080	2000	104	90	110	
Zinc	2150	2000	108	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Duplicate / Duplicate Spike Report

Duplicate 1:	MS151002-(WAT)-4	**Analysis Date:**	03/14/2013 08:48	**Test:**	USEPA 6010B
Duplicate 2:	MSD151002-(WAT)-4	**Analysis Date:**	03/14/2013 08:51	**Units:**	ug/L
Batch:	ICP_1594-031413	**Analyst:**	SKHIDEKEL	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Aluminum		4700	4760	1	0	20
Barium		1160	1170	1	0	20
Calcium		150	153	2	0	20
Iron		11000	11100	1	0	20
Magnesium		42	42	0	0	20
Manganese		1090	1100	1	0	20
Potassium		24	24	0	0	20
Sodium		52	53	2	0	20
Strontium		1430	1440	1	0	20
Titanium		1060	1070	1	0	20
Vanadium		1090	1100	1	0	20
Zinc		1020	1020	0	0	20

* Outside acceptance limits

OhioEPA Division of Environmental Services
Interference Check Standard

ICS:	246132-ICSI-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 08:11	**Analyst:**	SKHIDEKEL

Analyte	ICS	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	1990	2000	100	80	120	
Barium	158	150	105	80	120	
Calcium	20	20	100	80	120	
Iron	501	500	100	80	120	
Magnesium	10	10	100	80	120	
Manganese	104	100	104	80	120	
Potassium	20	20	100	80	120	
Sodium	51	50	102	80	120	
Strontium	310	300	103	80	120	
Titanium	507	500	101	80	120	
Vanadium	517	500	103	80	120	
Zinc	101	100	101	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Initial Calibration Verification Standard

ICV:	246124-ICV-1	**Test:**	USEPA 6010B
Batch:	ICP_1594-031413	**Units:**	ug/L
Analysis Date:	03/14/2013 07:59	**Analyst:**	SKHIDEKEL

Analyte	ICV	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	20100	20000	101	90	110	
Barium	5050	5000	101	90	110	
Calcium	203	200	102	90	110	
Iron	50300	50000	101	90	110	
Magnesium	100	100	100	90	110	
Manganese	5080	5000	102	90	110	
Potassium	101	100	101	90	110	
Sodium	204	200	102	90	110	
Strontium	5030	5000	101	90	110	
Titanium	5060	5000	101	90	110	
Vanadium	5030	5000	101	90	110	
Zinc	5040	5000	101	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: ICPMS2_0494-031813

Approved By: VDESHMUKH **On** 03/26/2013 07:43 **Status:** R **Test:** USEPA 6020A
Created By: JKRAFT **ELIMS Analysis:** ICPMS846_(WA **Surrogate:**
Analyst: JKRAFT **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BLC	BLANK_CAL_CHK	246405-BLC-1		246405-BLC		
2	IPC	IPC_PR	246411-IPC-1	ICPMS_IPC	246411-IPC		
3	QCST	QCS_STD_PR	246412-QCST-1	ICPMS_STD_QC	246412-QCST		
4	RLV	RLV_PR	246413-RLV-1	ICPMS_RLV	246413-RLV		
5	ICSA	ICSA_CHK	246416-ICSA-1 \ 1		246416-ICSA		
6	ICS	ICS_PR	ICS246416-ICSA-1 \ 2	ICPMS846_ICS	246416-ICSA		
7	BLG	BLANK_DIG_CHK	246408-BLG-1 \ 1		246408-BLG		
8	LFB	LFB_CHK2	LFB246408-BLG-1 \ 2	ICPMS846_SPK	246408-BLG		
9	150996	SAMPLE	150996-(WAT)-4		150996-(WAT)		Etown C&DD Lar
10	150997	SAMPLE	150997-(WAT)-4		150997-(WAT)		Etown C&DD Lar
11	150998	SAMPLE	150998-(WAT)-4		150998-(WAT)		Etown C&DD Lar
12	150999	SAMPLE	150999-(WAT)-4		150999-(WAT)		Etown C&DD Lar
13	151000	SAMPLE	151000-(WAT)-4		151000-(WAT)		Etown C&DD Lar
14	151001	SAMPLE	151001-(WAT)-4		151001-(WAT)		Etown C&DD Lar
15	BLC	BLANK_CAL_CHK	246406-BLC-1		246406-BLC		
16	IPC	IPC_PR	246410-IPC-1	ICPMS_IPC	246410-IPC		
17	RLV	RLV_PR	246414-RLV-1	ICPMS_RLV	246414-RLV		
18	151002	SAMPLE	151002-(WAT)-4 \ 1		151002-(WAT)		Etown C&DD Lar
19	MS	MATRIX_SPIKE_PR	MS151002-(WAT)-4 \ 2	ICPMS846_SPK	151002-(WAT)		Etown C&DD Lar
20	MSD	MS_RPD	MSD151002-(WAT)-4 \ 3	ICPMS846_SPK	151002-(WAT)		Etown C&DD Lar
20	MSD	MS_DUPLICATE_PR	MSD151002-(WAT)-4 \ 3	ICPMS846_SPK	151002-(WAT)		Etown C&DD Lar
21	151003	SAMPLE	151003-(WAT)-4		151003-(WAT)		Etown C&DD Lar
22	151004	SAMPLE	151004-(WAT)-4		151004-(WAT)	FD	Etown C&DD Lar
23	151005	SAMPLE	151005-(WAT)-3		151005-(WAT)	FB	Etown C&DD Lar
24	BLC	BLANK_CAL_CHK	246407-BLC-1		246407-BLC		
25	IPC	IPC_PR	246409-IPC-1	ICPMS_IPC	246409-IPC		
26	RLV	RLV_PR	246415-RLV-1	ICPMS_RLV	246415-RLV		
27	BLC	BLANK_CAL_CHK	246551-BLC-1		246551-BLC		
28	IPC	IPC_PR	246553-IPC-1	ICPMS_IPC	246553-IPC		
29	QCST	QCS_STD_PR	246555-QCST-1	ICPMS_STD_QC	246555-QCST		
30	RLV	RLV_PR	246556-RLV-1	ICPMS_RLV	246556-RLV		
31	BLC	BLANK_CAL_CHK	246552-BLC-1		246552-BLC		
32	IPC	IPC_PR	246554-IPC-1	ICPMS_IPC	246554-IPC		
33	RLV	RLV_PR	246557-RLV-1	ICPMS_RLV	246557-RLV		

Comments:

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	246408-BLG-1	**Analysis Date:**	03/18/2013 11:53	**Test:**	USEPA 6020A
LFB:	LFB246408-BLG-1	**Analysis Date:**	03/18/2013 11:56	**Units:**	ug/L
Batch:	ICPMS2_0494-031813	**Analyst:**	JKRAFT	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Arsenic		<2.0	19.8	20	98	80	120	
Antimony		<2.0	20.3	20	101	80	120	
Beryllium		<0.20	2.07	2	103	80	120	
Cadmium		<0.20	2	2	100	80	120	
Chromium		<2.0	20.5	20	102	80	120	
Cobalt		<2.0	20.7	20	104	80	120	
Copper		<2.0	20.4	20	102	80	120	
Lead		<2.0	19.8	20	99	80	120	
Nickel		<2.0	20.3	20	102	80	120	
Selenium		<2.0	20.6	20	102	80	120	
Silver		<0.20	2	2	100	80	120	
Thallium		<2.0	20	20	99	80	120	
Tin		<2.0	20	20	100	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	151002-(WAT)-4	**Analysis Date:**	03/18/2013 12:27	**Test:**	USEPA 6020A
Spike:	MS151002-(WAT)-4	**Analysis Date:**	03/18/2013 12:30	**Units:**	ug/L
Batch:	ICPMS2_0494-031813	**Analyst:**	JKRAFT	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Silver		<0.20	1.86	2	93	75	125	
Antimony		<2.0	20.2	20	101	75	125	
Arsenic		<2.0	20.4	20	100	75	125	
Thallium		<2.0	19.8	20	99	75	125	
Beryllium		<0.20	1.86	2	92	75	125	
Cadmium		<0.20	2.02	2	97	75	125	
Cobalt		<2.0	18.3	20	90	75	125	
Copper		<2.0	17.7	20	85	75	125	
Chromium		<2.0	19	20	94	75	125	
Lead		<2.0	19.9	20	98	75	125	
Nickel		2.9	20.3	20	87	75	125	
Selenium		<2.0	19.3	20	96	75	125	

Sample:	151002-(WAT)-4	**Analysis Date:**	03/18/2013 12:27	**Test:**	USEPA 6020A
Spike:	MSD151002-(WAT)-4	**Analysis Date:**	03/18/2013 12:34	**Units:**	ug/L
Batch:	ICPMS2_0494-031813	**Analyst:**	JKRAFT	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Thallium		<2.0	19.5	20	98	75	125	
Silver		<0.20	1.84	2	92	75	125	
Antimony		<2.0	20.3	20	102	75	125	
Arsenic		<2.0	20.3	20	100	75	125	
Beryllium		<0.20	1.92	2	95	75	125	
Cadmium		<0.20	2.04	2	98	75	125	
Cobalt		<2.0	18.3	20	90	75	125	
Copper		<2.0	17.7	20	85	75	125	
Chromium		<2.0	19.1	20	95	75	125	
Lead		<2.0	19.4	20	96	75	125	
Nickel		2.9	20.6	20	89	75	125	
Selenium		<2.0	18.1	20	90	75	125	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality control sample, non-digested

QCS_STD:	246412-QCST-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 11:40	**Analyst:**	JKRAFT

Analyte	QCS_STD	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	41	40	103	90	110	
Antimony	38.7	40	97	90	110	
Beryllium	4.09	4	102	90	110	
Cadmium	3.94	4	99	90	110	
Chromium	40.8	40	102	90	110	
Cobalt	42.6	40	107	90	110	
Copper	41	40	103	90	110	
Lead	38.6	40	97	90	110	
Nickel	41.9	40	105	90	110	
Selenium	38.6	40	97	90	110	
Silver	4.01	4	100	90	110	
Thallium	38.4	40	96	90	110	
Tin	38.7	40	97	90	110	

QCS_STD:	246555-QCST-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 14:25	**Analyst:**	JKRAFT

Analyte	QCS_STD	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	41	40	103	90	110	
Antimony	38.4	40	96	90	110	
Beryllium	3.99	4	100	90	110	
Cadmium	3.93	4	98	90	110	
Chromium	40.9	40	102	90	110	
Cobalt	42.2	40	106	90	110	
Copper	40.5	40	101	90	110	
Lead	38.6	40	97	90	110	
Nickel	41.1	40	103	90	110	
Selenium	40.5	40	101	90	110	
Silver	3.98	4	100	90	110	
Thallium	38.3	40	96	90	110	
Tin	39.1	40	98	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Calibration Blank Report

Blank:	246405-BLC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 11:34	**Analyst:**	JKRAFT

Analyte	Result	RL	Qualifier
Arsenic	<2.0	2	
Antimony	<2.0	2	
Beryllium	<0.20	0.2	
Cadmium	<0.20	0.2	
Chromium	<2.0	2	
Cobalt	<2.0	2	
Copper	<2.0	2	
Lead	<2.0	2	
Nickel	<2.0	2	
Selenium	<2.0	2	
Silver	<0.20	0.2	
Thallium	<2.0	2	
Tin	<2.0	2	

Blank:	246406-BLC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 12:18	**Analyst:**	JKRAFT

Analyte	Result	RL	Qualifier
Arsenic	<2.0	2	
Antimony	<2.0	2	
Beryllium	<0.20	0.2	
Cadmium	<0.20	0.2	
Chromium	<2.0	2	
Cobalt	<2.0	2	
Copper	<2.0	2	
Lead	<2.0	2	
Nickel	<2.0	2	
Selenium	<2.0	2	
Silver	<0.20	0.2	
Thallium	<2.0	2	
Tin	<2.0	2	

Blank:	246407-BLC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 12:46	**Analyst:**	JKRAFT

Analyte	Result	RL	Qualifier
Arsenic	<2.0	2	
Antimony	<2.0	2	
Beryllium	<0.20	0.2	
Cadmium	<0.20	0.2	
Chromium	<2.0	2	
Cobalt	<2.0	2	
Copper	<2.0	2	
Lead	<2.0	2	

OhioEPA Division of Environmental Services
Calibration Blank Report

Blank:	246407-BLC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 12:46	**Analyst:**	JKRAFT

Analyte	Result	RL	Qualifier
Nickel	<2.0	2	
Selenium	<2.0	2	
Silver	<0.20	0.2	
Thallium	<2.0	2	
Tin	<2.0	2	

Blank:	246551-BLC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 14:18	**Analyst:**	JKRAFT

Analyte	Result	RL	Qualifier
Arsenic	<2.0	2	
Antimony	<2.0	2	
Beryllium	<0.20	0.2	
Cadmium	<0.20	0.2	
Chromium	<2.0	2	
Cobalt	<2.0	2	
Copper	<2.0	2	
Lead	<2.0	2	
Nickel	<2.0	2	
Selenium	<2.0	2	
Silver	<0.20	0.2	
Thallium	<2.0	2	
Tin	<2.0	2	

Blank:	246552-BLC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 14:50	**Analyst:**	JKRAFT

Analyte	Result	RL	Qualifier
Arsenic	<2.0	2	
Antimony	<2.0	2	
Beryllium	<0.20	0.2	
Cadmium	<0.20	0.2	
Chromium	<2.0	2	
Cobalt	<2.0	2	
Copper	<2.0	2	
Lead	<2.0	2	
Nickel	<2.0	2	
Selenium	<2.0	2	
Silver	<0.20	0.2	
Thallium	<2.0	2	
Tin	<2.0	2	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Digested Blank Report

Blank:	246408-BLG-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 11:53	**Analyst:**	JKRAFT

Analyte	Result	RL	Qualifier
Arsenic	<2.0	2	
Antimony	<2.0	2	
Beryllium	<0.20	0.2	
Cadmium	<0.20	0.2	
Chromium	<2.0	2	
Cobalt	<2.0	2	
Copper	<2.0	2	
Lead	<2.0	2	
Nickel	<2.0	2	
Selenium	<2.0	2	
Silver	<0.20	0.2	
Thallium	<2.0	2	
Tin	<2.0	2	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	246411-IPC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 11:37	**Analyst:**	JKRAFT

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	24.7	25	99	90	110	
Antimony	25.3	25	101	90	110	
Beryllium	2.48	2.5	99	90	110	
Cadmium	2.54	2.5	102	90	110	
Chromium	24.6	25	98	90	110	
Cobalt	25	25	100	90	110	
Copper	25	25	100	90	110	
Lead	25.2	25	101	90	110	
Nickel	25.1	25	100	90	110	
Selenium	24.9	25	100	90	110	
Silver	2.46	2.5	98	90	110	
Thallium	25.2	25	101	90	110	
Tin	25.1	25	100	90	110	

IPC:	246410-IPC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 12:21	**Analyst:**	JKRAFT

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	24.7	25	99	90	110	
Antimony	25	25	100	90	110	
Beryllium	2.75	2.5	110	90	110	
Cadmium	2.49	2.5	100	90	110	
Chromium	24.6	25	98	90	110	
Cobalt	24.4	25	98	90	110	
Copper	24.2	25	97	90	110	
Lead	24.4	25	98	90	110	
Nickel	24.3	25	97	90	110	
Selenium	25.2	25	101	90	110	
Silver	2.47	2.5	99	90	110	
Thallium	24.5	25	98	90	110	
Tin	24.5	25	98	90	110	

IPC:	246409-IPC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 12:49	**Analyst:**	JKRAFT

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	24.8	25	99	90	110	
Antimony	25.5	25	102	90	110	
Cadmium	2.5	2.5	100	90	110	
Chromium	24.7	25	99	90	110	
Cobalt	24.3	25	97	90	110	
Copper	23.7	25	95	90	110	
Lead	24.5	25	98	90	110	

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	246409-IPC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 12:49	**Analyst:**	JKRAFT

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nickel	24	25	96	90	110	
Selenium	25	25	100	90	110	
Silver	2.46	2.5	98	90	110	
Thallium	24.5	25	98	90	110	
Tin	25.1	25	100	90	110	

IPC:	246553-IPC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 14:21	**Analyst:**	JKRAFT

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	25.2	25	101	90	110	
Antimony	25.1	25	100	90	110	
Beryllium	2.55	2.5	102	90	110	
Cadmium	2.5	2.5	100	90	110	
Chromium	25.2	25	101	90	110	
Cobalt	25.2	25	101	90	110	
Copper	24.9	25	100	90	110	
Lead	25.1	25	100	90	110	
Nickel	25	25	100	90	110	
Selenium	25.8	25	103	90	110	
Silver	2.5	2.5	100	90	110	
Thallium	25	25	100	90	110	
Tin	24.9	25	100	90	110	

IPC:	246554-IPC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 14:53	**Analyst:**	JKRAFT

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	25.4	25	102	90	110	
Antimony	24.9	25	100	90	110	
Beryllium	2.71	2.5	108	90	110	
Cadmium	2.5	2.5	100	90	110	
Chromium	25.5	25	102	90	110	
Cobalt	25.6	25	102	90	110	
Copper	25	25	100	90	110	
Lead	24.7	25	99	90	110	
Nickel	25.2	25	101	90	110	
Selenium	26.3	25	105	90	110	
Silver	2.44	2.5	98	90	110	
Thallium	24.8	25	99	90	110	
Tin	24.9	25	100	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Duplicate / Duplicate Spike Report

Duplicate 1:	MS151002-(WAT)-4	**Analysis Date:**	03/18/2013 12:30	**Test:**	USEPA 6020A
Duplicate 2:	MSD151002-(WAT)-4	**Analysis Date:**	03/18/2013 12:34	**Units:**	ug/L
Batch:	ICPMS2_0494-031813	**Analyst:**	JKRAFT	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Arsenic		20.4	20.3	0	0	20
Antimony		20.2	20.3	0	0	20
Beryllium		1.86	1.92	3	0	20
Cadmium		2.02	2.04	1	0	20
Chromium		19	19.1	1	0	20
Cobalt		18.3	18.3	0	0	20
Copper		17.7	17.7	0	0	20
Lead		19.9	19.4	3	0	20
Nickel		20.3	20.6	1	0	20
Selenium		19.3	18.1	6	0	20
Silver		1.86	1.84	1	0	20
Thallium		19.8	19.5	2	0	20
Tin		12.7	12.5	2	0	20

* Outside acceptance limits

OhioEPA Division of Environmental Services
Interference Check Standard

ICSA:	246416-ICSA-1	**Analysis Date:**	03/18/2013 11:46	**Test:**	USEPA 6020A
ICS:	ICS246416-ICSA-1	**Analysis Date:**	03/18/2013 11:50	**Units:**	ug/L
Batch:	ICPMS2_0494-031813	**Analyst:**	JKRAFT	**Matrix:**	

Analyte	Matrix	ICSA Result	ICS Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Arsenic		3.1	40.1	36	103	75	125	
Antimony		<2.0	36.7	36	101	75	125	
Beryllium		<0.20	2.99	3.6	82	75	125	
Cadmium		<0.20	3.19	3.6	94	75	125	
Chromium		2.4	36.4	36	94	75	125	
Cobalt		<2.0	35.1	36	97	75	125	
Copper		2.5	33	36	85	75	125	
Lead		<2.0	31.3	36	86	75	125	
Nickel		2.2	34.5	36	90	75	125	
Selenium		<2.0	33.3	36	93	75	125	
Silver		<0.20	3.09	3.6	85	75	125	
Thallium		<2.0	30.5	36	85	75	125	
Tin		<2.0	35.6	36	99	75	125	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Reporting Limit Verification

RLV:	246413-RLV-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 11:43	**Analyst:**	JKRAFT

Analyte	RLV	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	1.9	2	95	70	130	
Antimony	2.4	2	120	70	130	
Beryllium	0.23	0.2	115	70	130	
Cadmium	0.2	0.2	100	70	130	
Chromium	1.9	2	95	70	130	
Cobalt	2	2	100	70	130	
Copper	2	2	100	70	130	
Lead	2	2	100	70	130	
Nickel	2	2	100	70	130	
Selenium	2	2	100	70	130	
Silver	0.2	0.2	100	70	130	
Thallium	2	2	100	70	130	
Tin	2	2	100	70	130	

RLV:	246414-RLV-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 12:24	**Analyst:**	JKRAFT

Analyte	RLV	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	1.9	2	95	70	130	
Antimony	2	2	100	70	130	
Beryllium	0.24	0.2	120	70	130	
Cadmium	0.22	0.2	110	70	130	
Chromium	1.9	2	95	70	130	
Cobalt	2	2	100	70	130	
Copper	1.9	2	95	70	130	
Lead	2	2	100	70	130	
Nickel	2	2	100	70	130	
Selenium	2	2	100	70	130	
Silver	0.2	0.2	100	70	130	
Thallium	1.9	2	95	70	130	
Tin	2	2	100	70	130	

RLV:	246415-RLV-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 12:52	**Analyst:**	JKRAFT

Analyte	RLV	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	1.8	2	90	70	130	
Antimony	2	2	100	70	130	
Beryllium	0.26	0.2	130	70	130	
Cadmium	0.21	0.2	105	70	130	
Chromium	1.8	2	90	70	130	
Cobalt	2	2	100	70	130	
Copper	1.9	2	95	70	130	

OhioEPA Division of Environmental Services
Reporting Limit Verification

RLV:	246415-RLV-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 12:52	**Analyst:**	JKRAFT

Analyte	RLV	Stock	Rec (%)	QC Limits (%)		Qualifier
Lead	2	2	100	70	130	
Nickel	1.9	2	95	70	130	
Selenium	2.1	2	105	70	130	
Silver	0.2	0.2	100	70	130	
Thallium	2	2	100	70	130	
Tin	2	2	100	70	130	

RLV:	246556-RLV-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 14:28	**Analyst:**	JKRAFT

Analyte	RLV	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	2	2	100	70	130	
Antimony	2.4	2	120	70	130	
Beryllium	0.21	0.2	105	70	130	
Cadmium	0.2	0.2	100	70	130	
Chromium	1.9	2	95	70	130	
Cobalt	2	2	100	70	130	
Copper	2	2	100	70	130	
Lead	2	2	100	70	130	
Nickel	2	2	100	70	130	
Silver	0.2	0.2	100	70	130	
Thallium	2.1	2	105	70	130	
Tin	2.1	2	105	70	130	

RLV:	246557-RLV-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0494-031813	**Units:**	ug/L
Analysis Date:	03/18/2013 14:56	**Analyst:**	JKRAFT

Analyte	RLV	Stock	Rec (%)	QC Limits (%)		Qualifier
Arsenic	2	2	100	70	130	
Antimony	2	2	100	70	130	
Beryllium	0.22	0.2	110	70	130	
Cadmium	0.21	0.2	105	70	130	
Chromium	1.9	2	95	70	130	
Cobalt	2	2	100	70	130	
Copper	2	2	100	70	130	
Lead	2	2	100	70	130	
Nickel	2	2	100	70	130	
Silver	0.19	0.2	95	70	130	
Thallium	2	2	100	70	130	
Tin	2	2	100	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: NITRATE_0589-031813

Approved By: VDESHMUKH **On** 03/19/2013 08:46 **Status:** R **Test:** USEPA 350.1
Created By: RSHESKY **ELIMS Analysis:** Nitrate **Surrogate:**
Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BSPK	BLKSPK_PR	BSPK246462-BL-1 \ 2	NO3-SPK	246462-BL		
2	CCV	CCV_PR	246484-CCV-1	NO3-CCV	246484-CCV		
3	IPC	IPC_PR	246474-IPC-1	NO3-IPC	246474-IPC		
4	BL	BLANK_CHECK	246462-BL-1 \ 1		246462-BL		
5	QCS	QCS_PR	246485-QCS-1	NO3-QCS	246485-QCS		
6	BL	BLANK_CHECK	246463-BL-1		246463-BL		
7	IPC	IPC_PR	246475-IPC-1	NO3-IPC	246475-IPC		
11	150996	SAMPLE	150996-(WAT)-2		150996-(WAT)		Etown C&DD Lar
12	150997	SAMPLE	150997-(WAT)-2		150997-(WAT)		Etown C&DD Lar
13	150998	SAMPLE	150998-(WAT)-2		150998-(WAT)		Etown C&DD Lar
14	150999	SAMPLE	150999-(WAT)-2		150999-(WAT)		Etown C&DD Lar
15	151000	SAMPLE	151000-(WAT)-2		151000-(WAT)		Etown C&DD Lar
16	151001	SAMPLE	151001-(WAT)-2		151001-(WAT)		Etown C&DD Lar
17	151002	SAMPLE	151002-(WAT)-2		151002-(WAT)		Etown C&DD Lar
18	BL	BLANK_CHECK	246464-BL-1		246464-BL		
19	IPC	IPC_PR	246476-IPC-1	NO3-IPC	246476-IPC		
20	MS	MATRIX_SPIKE_PR	MS151003-(WAT)-2 \ 2	NO3-SPK	151003-(WAT)		Etown C&DD Lar
21	151004	SAMPLE	151004-(WAT)-2		151004-(WAT)	FD	Etown C&DD Lar
22	151005	SAMPLE	151005-(WAT)-2		151005-(WAT)	FB	Etown C&DD Lar
30	BL	BLANK_CHECK	246465-BL-1		246465-BL		
31	IPC	IPC_PR	246477-IPC-1	NO3-IPC	246477-IPC		
40	151003	SAMPLE	151003-(WAT)-2 \ 1		151003-(WAT)		Etown C&DD Lar
41	DUP	RPD	DUP151003-(WAT)-2 \ 3		151003-(WAT)		Etown C&DD Lar
42	BL	BLANK_CHECK	246466-BL-1		246466-BL		
43	IPC	IPC_PR	246478-IPC-1	NO3-IPC	246478-IPC		

Comments:

OhioEPA Division of Environmental Services
Continues Calibration Verification Report

CCV:	246484-CCV-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:26	**Analyst:**	RSHESKY

Analyte	CCV	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.07	5	101	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246462-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:27	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.07	0.1	

Blank:	246463-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 10:22	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.06	0.1	

Blank:	246464-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 10:34	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.04	0.1	

Blank:	246465-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 11:18	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.04	0.1	

Blank:	246466-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 12:19	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.02	0.1	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	151003-(WAT)-2	**Analysis Date:**	03/18/2013 12:19	**Test:**	USEPA 350.1
Spike:	MS151003-(WAT)-2	**Analysis Date:**	03/18/2013 10:34	**Units:**	mg/L
Batch:	NITRATE_0589-031813	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite		<0.10	2.48	2.5	98	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	151003-(WAT)-2	**Analysis Date:**	03/18/2013 12:19	**Test:**	USEPA 350.1
Duplicate 2:	DUP151003-(WAT)-2 \ 3	**Analysis Date:**	03/18/2013 12:19	**Units:**	mg/L
Batch:	NITRATE_0589-031813	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Nitrate+nitrite		<0.10	<0.10	0	0 40	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	246474-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:27	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.15	5	103	90	110	

IPC:	246475-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 10:22	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.12	5	102	90	110	

IPC:	246476-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 10:34	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.01	5	100	90	110	

IPC:	246477-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 11:18	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.17	5	103	90	110	

IPC:	246478-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 12:19	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	4.96	5	99	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	246485-QCS-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0589-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:27	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	2.73	2.74	100	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	246462-BL-1	**Analysis Date:**	03/18/2013 09:27	**Test:**	USEPA 350.1
LFB:	BSPK246462-BL-1	**Analysis Date:**	03/18/2013 09:26	**Units:**	mg/L
Batch:	NITRATE_0589-031813	**Analyst:**	RSHESKY	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite		<0.10	2.5	2.5	97	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: PH_0712-030813

Approved By: VDESHMUKH **On** 03/08/2013 13:08 **Status:** R **Test:** USEPA 150.1
Created By: MTOMASI **ELIMS Analysis:** pH **Surrogate:**
Analyst: MTOMASI **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QPH7	QPH7_CHK	245940-QPH7-1		245940-QPH7		
2	QPH4	QPH4_CHK	245942-QPH4-1		245942-QPH4		
3	150996	SAMPLE	150996-(WAT)-1 \ 1		150996-(WAT)		Etown C&DD Lar
4	DUPD	DIFF	DUPD150996-(WAT)-1 \ 2		150996-(WAT)		Etown C&DD Lar
5	150997	SAMPLE	150997-(WAT)-1		150997-(WAT)		Etown C&DD Lar
6	150998	SAMPLE	150998-(WAT)-1		150998-(WAT)		Etown C&DD Lar
7	150999	SAMPLE	150999-(WAT)-1		150999-(WAT)		Etown C&DD Lar
8	151000	SAMPLE	151000-(WAT)-1		151000-(WAT)		Etown C&DD Lar
9	151001	SAMPLE	151001-(WAT)-1		151001-(WAT)		Etown C&DD Lar
10	151002	SAMPLE	151002-(WAT)-1		151002-(WAT)		Etown C&DD Lar
11	151003	SAMPLE	151003-(WAT)-1		151003-(WAT)		Etown C&DD Lar
12	151004	SAMPLE	151004-(WAT)-1		151004-(WAT)	FD	Etown C&DD Lar
13	151005	SAMPLE	151005-(WAT)-1		151005-(WAT)	FB	Etown C&DD Lar
14	QPH7	QPH7_CHK	245941-QPH7-1		245941-QPH7		

Comments:

OhioEPA Division of Environmental Services
QC pH7 Report

pH7:	245940-QPH7-1	**Test:**	USEPA 150.1
Batch:	PH_0712-030813	**Units:**	s.u.
Analysis Date:	03/08/2013 10:25	**Analyst:**	MTOMASI

Analyte	pH7	QC Limits		Qualifier
pH	6.98	6.95	7.05	

pH7:	245941-QPH7-1	**Test:**	USEPA 150.1
Batch:	PH_0712-030813	**Units:**	s.u.
Analysis Date:	03/08/2013 10:25	**Analyst:**	MTOMASI

Analyte	pH7	QC Limits		Qualifier
pH	7.05	6.95	7.05	

* Outside acceptance limits

OhioEPA Division of Environmental Services
QC pH4 Report

pH4:	245942-QPH4-1	**Test:**	USEPA 150.1
Batch:	PH_0712-030813	**Units:**	s.u.
Analysis Date:	03/08/2013 10:25	**Analyst:**	MTOMASI

Analyte	pH2	QC Limits		Qualifier
pH	4.02	3.95	4.05	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	150996-(WAT)-1	**Analysis Date:**	03/08/2013 10:25	**Test:**	USEPA 150.1
Duplicate 2:	DUPD150996-(WAT)-1 \	**Analysis Date:**	03/08/2013 10:25	**Units:**	s.u.
Batch:	PH_0712-030813	**Analyst:**	MTOMASI	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	Difference	QC Limits		Qualifier
pH		7.46	7.50	0.04	0	0.14	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: SO4_0965-030813

Approved By: VDESHMUKH **On** 03/11/2013 10:06 **Status:** R **Test:** USEPA 375.2
Created By: CRHINOCK **ELIMS Analysis:** Sulfate **Surrogate:**
Analyst: CRHINOCK **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	245906-BL-1 \ 1		245906-BL		
2	BSPK	BLKSPK_PR	BSPK245906-BL-1 \ 2	SO4-SPK	245906-BL		
3	QCS	QCS_PR	245919-QCS-1	SO4-QCS	245919-QCS		
4	BL	BLANK_CHECK	245907-BL-1		245907-BL		
5	IPC	IPC_PR	245914-IPC-1	SO4-SPK	245914-IPC		
8	MS	MATRIX_SPIKE_PR	MS150996-(WAT)-1 \ 2	SO4-SPK	150996-(WAT)		Etown C&DD Lar
10	151001	SAMPLE	151001-(WAT)-1		151001-(WAT)		Etown C&DD Lar
11	BL	BLANK_CHECK	245908-BL-1		245908-BL		
12	IPC	IPC_PR	245915-IPC-1	SO4-SPK	245915-IPC		
13	151005	SAMPLE	151005-(WAT)-1		151005-(WAT)	FB	Etown C&DD Lar
14	151004	SAMPLE	151004-(WAT)-1		151004-(WAT)	FD	Etown C&DD Lar
16	150998	SAMPLE	150998-(WAT)-1		150998-(WAT)		Etown C&DD Lar
17	150999	SAMPLE	150999-(WAT)-1		150999-(WAT)		Etown C&DD Lar
18	151000	SAMPLE	151000-(WAT)-1		151000-(WAT)		Etown C&DD Lar
19	151002	SAMPLE	151002-(WAT)-1		151002-(WAT)		Etown C&DD Lar
20	151003	SAMPLE	151003-(WAT)-1		151003-(WAT)		Etown C&DD Lar
22	150996	SAMPLE	150996-(WAT)-1 \ 1		150996-(WAT)		Etown C&DD Lar
23	BL	BLANK_CHECK	245909-BL-1		245909-BL		
24	IPC	IPC_PR	245916-IPC-1	SO4-SPK	245916-IPC		
25	BL	BLANK_CHECK	245910-BL-1		245910-BL		
26	IPC	IPC_PR	245917-IPC-1	SO4-SPK	245917-IPC		
33	DUP	RPD	DUP150996-(WAT)-1 \ 3		150996-(WAT)		Etown C&DD Lar
34	150997	SAMPLE	150997-(WAT)-1		150997-(WAT)		Etown C&DD Lar
35	BL	BLANK_CHECK	245911-BL-1		245911-BL		
36	IPC	IPC_PR	245918-IPC-1	SO4-SPK	245918-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	245906-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 09:39	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.6	10	

Blank:	245907-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 10:06	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.6	10	

Blank:	245908-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 10:14	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.5	10	

Blank:	245909-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 10:26	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.6	10	

Blank:	245910-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 10:38	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.5	10	

Blank:	245911-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 10:46	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.5	10	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	150996-(WAT)-1	**Analysis Date:**	03/08/2013 10:26	**Test:**	USEPA 375.2
Spike:	MS150996-(WAT)-1	**Analysis Date:**	03/08/2013 10:10	**Units:**	mg/L
Batch:	SO4_0965-030813	**Analyst:**	CRHINOCK	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Sulfate		11.2	96.5	100	85	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	150996-(WAT)-1	**Analysis Date:**	03/08/2013 10:26	**Test:**	USEPA 375.2
Duplicate 2:	DUP150996-(WAT)-1 \ 3	**Analysis Date:**	03/08/2013 10:44	**Units:**	mg/L
Batch:	SO4_0965-030813	**Analyst:**	CRHINOCK	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Sulfate		11.2	11.5	3	0 40	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	245914-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 10:06	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	94.5	100	95	90	110	

IPC:	245915-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 10:14	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	93.9	100	94	90	110	

IPC:	245916-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 10:26	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	91.1	100	91	90	110	

IPC:	245917-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 10:38	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	90.6	100	91	90	110	

IPC:	245918-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 10:46	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	93.5	100	94	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	245919-QCS-1	**Test:**	USEPA 375.2
Batch:	SO4_0965-030813	**Units:**	mg/L
Analysis Date:	03/08/2013 09:39	**Analyst:**	CRHINOCK

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	57.3	55.8	103	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	245906-BL-1	**Analysis Date:**	03/08/2013 09:39	**Test:**	USEPA 375.2
LFB:	BSPK245906-BL-1	**Analysis Date:**	03/08/2013 09:39	**Units:**	mg/L
Batch:	SO4_0965-030813	**Analyst:**	CRHINOCK	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Sulfate		<10.0	89.1	100	91	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: TDS_1232-031113

Approved By: VDESHMUKH **On** 03/14/2013 09:19 **Status:** R **Test:** SM 2540C

Created By: GDAVIS **ELIMS Analysis:** Solids_Diss **Surrogate:**

Analyst: GDAVIS **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	245981-BL-1		245981-BL		
2	QCS	QCS_PR	245983-QCS-1	TDS-QCS	245983-QCS		
7	150996	SAMPLE	150996-(WAT)-1		150996-(WAT)		Etown C&DD Lar
8	150997	SAMPLE	150997-(WAT)-1		150997-(WAT)		Etown C&DD Lar
9	150998	SAMPLE	150998-(WAT)-1		150998-(WAT)		Etown C&DD Lar
10	150999	SAMPLE	150999-(WAT)-1		150999-(WAT)		Etown C&DD Lar
11	151000	SAMPLE	151000-(WAT)-1		151000-(WAT)		Etown C&DD Lar
12	151001	SAMPLE	151001-(WAT)-1		151001-(WAT)		Etown C&DD Lar
13	151002	SAMPLE	151002-(WAT)-1		151002-(WAT)		Etown C&DD Lar
14	151003	SAMPLE	151003-(WAT)-1 \ 1		151003-(WAT)		Etown C&DD Lar
15	DUP	RPD	DUP151003-(WAT)-1 \ 2		151003-(WAT)		Etown C&DD Lar
16	151004	SAMPLE	151004-(WAT)-1		151004-(WAT)	FD	Etown C&DD Lar
17	151005	SAMPLE	151005-(WAT)-1		151005-(WAT)	FB	Etown C&DD Lar
23	QCS	QCS_PR	245984-QCS-1	TDS-QCS	245984-QCS		
24	BL	BLANK_CHECK	245982-BL-1		245982-BL		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	245981-BL-1	**Test:**	SM 2540C
Batch:	TDS_1232-031113	**Units:**	mg/L
Analysis Date:	03/11/2013 00:00	**Analyst:**	GDAVIS

Analyte	Result	RL	Qualifier
Total Dissolved Solids	0	10	

Blank:	245982-BL-1	**Test:**	SM 2540C
Batch:	TDS_1232-031113	**Units:**	mg/L
Analysis Date:	03/11/2013 00:00	**Analyst:**	GDAVIS

Analyte	Result	RL	Qualifier
Total Dissolved Solids	0	10	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	151003-(WAT)-1	**Analysis Date:**	03/11/2013 00:00	**Test:**	SM 2540C
Duplicate 2:	DUP151003-(WAT)-1 \ 2	**Analysis Date:**	03/11/2013 00:00	**Units:**	mg/L
Batch:	TDS_1232-031113	**Analyst:**	GDAVIS	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Total Dissolved Solids		548	546	0	0	5

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	245983-QCS-1	**Test:**	SM 2540C
Batch:	TDS_1232-031113	**Units:**	mg/L
Analysis Date:	03/11/2013 00:00	**Analyst:**	GDAVIS

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Dissolved Solids	188	189	99	90	110	

QCS:	245984-QCS-1	**Test:**	SM 2540C
Batch:	TDS_1232-031113	**Units:**	mg/L
Analysis Date:	03/11/2013 00:00	**Analyst:**	GDAVIS

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Dissolved Solids	190	189	101	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: TP_0676-031813

Approved By: VDESHMUKH **On** 03/26/2013 08:21 **Status:** R **Test:** USEPA 365.4
Created By: CRHINOCK **ELIMS Analysis:** TP **Surrogate:**
Analyst: CRHINOCK **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QCS	QCS_PR	246486-QCS-1	TP-QCS	246486-QCS		
2	LFB	LFB_CHK2	LFB246487-BLG-1 \ 2	TP-SPK	246487-BLG		
3	BL	BLANK_CHECK	246488-BL-1		246488-BL		
4	IPC	IPC_PR	246506-IPC-1	TP-SPK	246506-IPC		
58	BL	BLANK_CHECK	246494-BL-1		246494-BL		
59	IPC	IPC_PR	246512-IPC-1	TP-SPK	246512-IPC		
65	150996	SAMPLE	150996-(WAT)-2 \ 1		150996-(WAT)		Etown C&DD Lar
66	DUP	RPD	DUP150996-(WAT)-2 \ 3		150996-(WAT)		Etown C&DD Lar
67	MS	MATRIX_SPIKE_PR	MS150996-(WAT)-2 \ 2	TP-SPK	150996-(WAT)		Etown C&DD Lar
68	BL	BLANK_CHECK	246495-BL-1		246495-BL		
69	IPC	IPC_PR	246513-IPC-1	TP-SPK	246513-IPC		
71	150997	SAMPLE	150997-(WAT)-2		150997-(WAT)		Etown C&DD Lar
72	150998	SAMPLE	150998-(WAT)-2		150998-(WAT)		Etown C&DD Lar
73	150999	SAMPLE	150999-(WAT)-2		150999-(WAT)		Etown C&DD Lar
74	151000	SAMPLE	151000-(WAT)-2		151000-(WAT)		Etown C&DD Lar
75	151001	SAMPLE	151001-(WAT)-2		151001-(WAT)		Etown C&DD Lar
76	151002	SAMPLE	151002-(WAT)-2		151002-(WAT)		Etown C&DD Lar
77	151003	SAMPLE	151003-(WAT)-2		151003-(WAT)		Etown C&DD Lar
78	151004	SAMPLE	151004-(WAT)-2		151004-(WAT)	FD	Etown C&DD Lar
79	151005	SAMPLE	151005-(WAT)-2		151005-(WAT)	FB	Etown C&DD Lar
80	BL	BLANK_CHECK	246496-BL-1		246496-BL		
81	IPC	IPC_PR	246514-IPC-1	TP-SPK	246514-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	246488-BL-1	**Test:**	USEPA 365.4
Batch:	TP_0676-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 08:10	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Total Phosphorus	0.01	0.01	

Blank:	246494-BL-1	**Test:**	USEPA 365.4
Batch:	TP_0676-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:14	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Total Phosphorus	0.007	0.01	

Blank:	246495-BL-1	**Test:**	USEPA 365.4
Batch:	TP_0676-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:23	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Total Phosphorus	0.005	0.01	

Blank:	246496-BL-1	**Test:**	USEPA 365.4
Batch:	TP_0676-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:29	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Total Phosphorus	0.004	0.01	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	246487-BLG-1	**Analysis Date:**	03/18/2013 12:50	**Test:**	USEPA 365.4
LFB:	LFB246487-BLG-1	**Analysis Date:**	03/18/2013 07:28	**Units:**	mg/L
Batch:	TP_0676-031813	**Analyst:**	CRHINOCK	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus		<0.010	0.473	0.5	94	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	150996-(WAT)-2	**Analysis Date:**	03/18/2013 09:14	**Test:**	USEPA 365.4
Spike:	MS150996-(WAT)-2	**Analysis Date:**	03/18/2013 09:14	**Units:**	mg/L
Batch:	TP_0676-031813	**Analyst:**	CRHINOCK	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus		0.025	0.514	0.5	98	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	150996-(WAT)-2	**Analysis Date:**	03/18/2013 09:14	**Test:**	USEPA 365.4
Duplicate 2:	DUP150996-(WAT)-2 \ 3	**Analysis Date:**	03/18/2013 09:14	**Units:**	mg/L
Batch:	TP_0676-031813	**Analyst:**	CRHINOCK	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Total Phosphorus		0.025	0.023	8	0	40

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	246506-IPC-1	**Test:**	USEPA 365.4
Batch:	TP_0676-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 08:10	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.519	0.5	104	90	110	

IPC:	246512-IPC-1	**Test:**	USEPA 365.4
Batch:	TP_0676-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:14	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.524	0.5	105	90	110	

IPC:	246513-IPC-1	**Test:**	USEPA 365.4
Batch:	TP_0676-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:23	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.524	0.5	105	90	110	

IPC:	246514-IPC-1	**Test:**	USEPA 365.4
Batch:	TP_0676-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 09:29	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.521	0.5	104	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	246486-QCS-1	**Test:**	USEPA 365.4
Batch:	TP_0676-031813	**Units:**	mg/L
Analysis Date:	03/18/2013 07:28	**Analyst:**	CRHINOCK

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.52	0.474	110	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: TURB_0118-030713

Approved By: VDESHMUKH **On** 03/11/2013 07:39 **Status:** R **Test:** OEPA 180.1
Created By: NSTEFANOVSI **ELIMS Analysis:** Turbidity **Surrogate:**
Analyst: NSTEFANOVSI **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QCS	QCS_PR	245875-QCS-1	TURB-0-QCS	245875-QCS		
2	QCS	QCS_PR	245876-QCS-1	TURB-1-QCS	245876-QCS		
3	QCS	QCS_PR	245877-QCS-1	TURB-2-QCS	245877-QCS		
4	QCS	QCS_PR	245878-QCS-1	TURB-3-QCS	245878-QCS		
5	QCS	QCS_PR	245879-QCS-1	TURB-4-QCS	245879-QCS		
6	BL	BLANK_CHECK	245880-BL-1		245880-BL		
7	BL	BLANK_CHECK	245881-BL-1		245881-BL		
8	150996	SAMPLE	150996-(WAT)-1 \ 1		150996-(WAT)		Etown C&DD Lar
9	DUP	RPD	DUP150996-(WAT)-1 \ 3		150996-(WAT)		Etown C&DD Lar
10	150997	SAMPLE	150997-(WAT)-1		150997-(WAT)		Etown C&DD Lar
11	150998	SAMPLE	150998-(WAT)-1		150998-(WAT)		Etown C&DD Lar
12	150999	SAMPLE	150999-(WAT)-1		150999-(WAT)		Etown C&DD Lar
13	151000	SAMPLE	151000-(WAT)-1		151000-(WAT)		Etown C&DD Lar
14	151001	SAMPLE	151001-(WAT)-1		151001-(WAT)		Etown C&DD Lar
15	151002	SAMPLE	151002-(WAT)-1		151002-(WAT)		Etown C&DD Lar
16	151003	SAMPLE	151003-(WAT)-1		151003-(WAT)		Etown C&DD Lar
17	151004	SAMPLE	151004-(WAT)-1		151004-(WAT)	FD	Etown C&DD Lar
18	151005	SAMPLE	151005-(WAT)-1 \ 1		151005-(WAT)	FB	Etown C&DD Lar

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	245880-BL-1	**Test:**	OEPA 180.1
Batch:	TURB_0118-030713	**Units:**	ntu
Analysis Date:	03/07/2013 15:00	**Analyst:**	NSTEFANOVSKA

Analyte	Result	RL	Qualifier
Turbidity	0.04	1	

Blank:	245881-BL-1	**Test:**	OEPA 180.1
Batch:	TURB_0118-030713	**Units:**	ntu
Analysis Date:	03/07/2013 15:00	**Analyst:**	NSTEFANOVSKA

Analyte	Result	RL	Qualifier
Turbidity	0.05	1	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	150996-(WAT)-1	**Analysis Date:**	03/07/2013 15:00	**Test:**	OEPA 180.1
Duplicate 2:	DUP150996-(WAT)-1 \ 3	**Analysis Date:**	03/07/2013 15:00	**Units:**	ntu
Batch:	TURB_0118-030713	**Analyst:**	NSTEFANOVSKA	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Turbidity		3.80	3.57	6	0 40	

* Outside acceptance limits

QCS:	245875-QCS-1	**Test:**	OEPA 180.1
Batch:	TURB_0118-030713	**Units:**	ntu
Analysis Date:	03/07/2013 15:00	**Analyst:**	NSTEFANOVSKA

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Turbidity	0.07	0.07	100	90	110	

QCS:	245876-QCS-1	**Test:**	OEPA 180.1
Batch:	TURB_0118-030713	**Units:**	ntu
Analysis Date:	03/07/2013 15:00	**Analyst:**	NSTEFANOVSKA

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Turbidity	1.76	1.74	101	90	110	

QCS:	245877-QCS-1	**Test:**	OEPA 180.1
Batch:	TURB_0118-030713	**Units:**	ntu
Analysis Date:	03/07/2013 15:00	**Analyst:**	NSTEFANOVSKA

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Turbidity	16.2	16.1	101	90	110	

QCS:	245878-QCS-1	**Test:**	OEPA 180.1
Batch:	TURB_0118-030713	**Units:**	ntu
Analysis Date:	03/07/2013 15:00	**Analyst:**	NSTEFANOVSKA

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Turbidity	154	152	101	90	110	

QCS:	245879-QCS-1	**Test:**	OEPA 180.1
Batch:	TURB_0118-030713	**Units:**	ntu
Analysis Date:	03/07/2013 15:00	**Analyst:**	NSTEFANOVSKA

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Turbidity	1990	1869	106	90	110	

* Outside acceptance limits

Ohio | **Environmental Protection Agency**

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only

Sample # 150 996

Date Received MM 03 DD 07 YY 13

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM / DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division (check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District (check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type (check one)

Ambient	○
Complaint	○
Compliance	○
Litigation	✓
Survey	○
Raw	○
Plant	○
Distribution	○
Other	

} DW only

Matrix (check one)

Air Filter	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent Water	○
Other	

Collection Date

Grab ✓ MM 03 DD 07 YY 13 HH 08 MM 11

(or)

Composite ○ Begin / / / / / / End / / / / / /

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
MSD	○

Collected By S. Churchill

Customer ID # W-3

Station ID #

Sample Location

E town C+DD Landfill, well W-3

County: Hamilton

Parameters

Template

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ✓ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------
- ○ ------

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1**, *Water only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only* (Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only* (Zn,Mn)
- ○ ------ **ICPMS 1**, *Water only* (As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only* (As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only* (As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------
- ○ ------
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------
- ○ ------

○ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l P50060	Cond,umho/cm P94	DO,mg/l P299	ORP	Flow,cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp,oC P10	TDS	Corr.Cond, umho/cm P94

Ohio Environmental Protection Agency

DES Use Only
Sample # 150997
Date Received 03/07/13 (MM DD YY)

Inorganic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division (check one)
- DAPC ○
- DDAGW ✓
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District (check one)
- CO ✓
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type (check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ✓
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix (check one)
- Air Filter ○
- Drinking water ○
- Ground water ✓
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent Water ○
- Other _____

Collection Date
- Grab ✓ — MM 03 DD 07 YY 13 HH 09 MM 10
- (or)
- Composite ○ — Begin ___/___/___ ___/___ — End ___/___/___ ___/___

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # W-4

Station ID # _____

Sample Location

Etown C&DD Landfill, well W-4

County: Hamilton

Parameters

Template _____

Demand
- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients
- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology
- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.
- ✓ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------ _____
- ○ ------ _____

Metals (Please select one ICP AND one ICPMS package if needed)
- ○ ------ **ICP 1**, *Water only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only* (Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only* (Zn,Mn)
- ○ ------ **ICPMS 1**, *Water only* (As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only* (As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only* (As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages
- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------ _____
- ○ ------ _____
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------ _____
- ○ ------ _____

○ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:
- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Chlorine,mg/l P50060	Cond,umho/cm P94	DO,mg/l P299	ORP	Flow,cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp,oC P10	TDS	Corr.Cond, umho/cm P94

Lab Comments

Remove yellow copy of form for your records prior to submitting form to DES

All Rush Samples require prior approval

150998 SR

Ohio Environmental Protection Agency

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only

Sample # ~~151012~~

Date Received MM 03 DD 07 YY 13

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM/DSIWM

Project Identity

(project identity **requires prior approval**)

No Folder ○

Division(check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District(check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type(check one)

Ambient	○
Complaint	○
Compliance	○
Litigation	✓
Survey	○
Raw	○
Plant	○
Distribution	○
Other	

DW only

Matrix(check one)

Air Filter	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent Water	○
Other	

Collection Date

Grab ✓ MM 03 DD 06 YY 13 HH 10 MM 19

(or)

Composite ○ Begin / / / / / / End / / / / / /

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
MSD	○

Collected By S. Churchill

Customer ID # W-5

Station ID #

Sample Location

E town C+DD Landfill, well W-5

County: Hamilton

Template

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ✓ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------
- ○ ------

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)

- ○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------
- ○ ------
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------
- ○ ------

○ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

No TB

Chlorine,mg/l P50060	Cond,umho/cm P94	DO,mg/l P299	ORP	Flow,cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp,oC P10	TDS	Corr.Cond, umho/cm P94

EPA 370 EPA 100 White-Original(DES) Green-DES Yellow-Field Records 08/2013

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All Rush Samples require prior approval

Ohio Environmental Protection Agency

DES Use Only

Sample # ~~150998~~ 150999 SR

Date Received MM 03 DD 07 YY 13

Inorganic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District(check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type(check one)

Ambient	○
Complaint	○
Compliance	○
Litigation	✓
Survey	○
Raw	○
Plant	○
Distribution	○
Other	

DW only

Matrix(check one)

Air Filter	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent Water	○
Other	

Collection Date

Grab ✓ (or) Composite ○

	MM	DD	YY	HH	MM
	03	06	13	11	24
Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
MSD	○

Collected By S. Churchill

Customer ID # W-5S

Station ID #

Sample Location

County: Hamilton

Etown C&DD Landfill, well W-5S

Template

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ✓ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------
- ○ ------

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)

- ○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------
- ○ ------
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------
- ○ ------

○ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l P50060	Cond,umho/cm P94	DO,mg/l P299	ORP	Flow,cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp,oC P10	TDS	Corr.Cond, umho/cm P94

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All Rush Samples require prior approval

Ohio Environmental Protection Agency

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only

Sample # ~~150999~~ 151000 SR

Date Received 03/07/13 (MM DD YY)

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District(check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type(check one)

Ambient	○
Complaint	○
Compliance	○
Litigation	✓
Survey	○
Raw	○
Plant	○
Distribution	○
Other	

} DW only

Matrix(check one)

Air Filter	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent Water	○
Other	

Collection Date

Grab ✓ (or) Composite ○

	MM	DD	YY	HH	MM
	03	06	13	16	23
Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
MSD	○

Collected By S. Churchill

Customer ID # W-1

Station ID #

Sample Location

Etown C+DD Landfill, well W-1

County: Hamilton

Template

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total-Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ✓ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------
- ○ ------

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)

- ○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------
- ○ ------
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------
- ○ ------

○ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	ORP	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	TDS	Corr.Cond, umho/cm
P50060	P94	P299		P61	P65	P400		P10		P94

EPA Ohio EPA Correspondence White-Original(DES) Green-DES Yellow-Field Records

09/2013

E-town C&DD

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All Rush Samples require prior approval

151001 SA

Ohio Environmental Protection Agency

DES Use Only

Sample # ~~150~~ ~~150~~ ~~151000~~

Date Received 03/07/13 (MM DD YY)

Inorganic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District(check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type(check one)

Ambient	○
Complaint	○
Compliance	○
Litigation	✓
Survey	○
Raw	○
Plant	○
Distribution	○
Other	

DW only

Matrix(check one)

Air Filter	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent Water	○
Other	

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	03	06	13	17	11
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
MSD	○

Collected By S. Churchill

Customer ID # W-19

Station ID #

Sample Location

Etown C+DD Landfill, well W-19

County: Hamilton

Parameters

Template

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ✓ ~~------ Solids_Total~~ No TC
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ✓ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------
- ○ ------

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)

- ○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------
- ○ ------
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------
- ○ ------

○ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l P50060	Cond,umho/cm P94	DO,mg/l P299	ORP	Flow,cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp,oC P10	TDS	Corr.Cond, umho/cm P94

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All Rush Samples require prior approval

SR

Ohio Environmental Protection Agency

DES Use Only

Sample # ~~151006~~ 151002

Date Received 03/07/13 (MM DD YY)

Inorganic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District(check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type(check one)

Ambient	○
Complaint	○
Compliance	○
Litigation	✓
Survey	○
Raw	○ (DW only)
Plant	○ (DW only)
Distribution	○ (DW only)
Other	

Matrix(check one)

Air Filter	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent Water	○
Other	

Collection Date

Grab ✓ (or) Composite ○

	MM	DD	YY	HH	MM
Grab	03	06	13	14	56
Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
MSD	○

Collected By S. Churchill

Customer ID # W-2

Station ID #

Sample Location

E town C+DD Landfill, well W-2

County: Hamilton

Template

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ✓ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------
- ○ ------

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)

- ○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------
- ○ ------
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------
- ○ ------

○ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l P50060	Cond,umho/cm P94	DO,mg/l P299	ORP	Flow,cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp,oC P10	TDS	Corr.Cond, umho/cm P94

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All Rush Samples require prior approval

Ohio Environmental Protection Agency

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only

Sample # ~~151002~~ 151003

Date Received MM 03 DD 07 YY 13

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District(check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type(check one)

Ambient	○
Complaint	○
Compliance	○
Litigation	✓
Survey	○
Raw	○
Plant	○
Distribution	○
Other	

} DW only

Matrix(check one)

Air Filter	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent Water	○
Other	

Collection Date

Grab ✓ MM 03 DD 06 YY 13 HH 13 MM 04

(or)

Composite ○ Begin / / / /

End / / / /

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
MSD	○

Collected By S. Churchill

Customer ID # W-2S

Station ID #

Sample Location

Etown C+DD landfill, well W-2S

County: Hamilton

Parameters

Template

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ✓ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------
- ○ ------

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)
- ○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------
- ○ ------
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------
- ○ ------

○ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l P50060	Cond,umho/cm P94	DO,mg/l P299	ORP	Flow,cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp,oC P10	TDS	Corr.Cond, umho/cm P94

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Ohio Environmental Protection Agency

DES Use Only
Sample # ~~151003~~ 151004
Date Received MM 03 DD 07 YY 13

Inorganic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM / DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ✓
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other ____

OEPA District(check one)
- CO ✓
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other ____

Sample Type(check one)
- Ambient ○
- *Complaint* ○
- Compliance ○
- Litigation ✓
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other ____

Matrix(check one)
- Air Filter ○
- *Drinking water* ○
- Ground water ✓
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent Water ○
- Other ____

Collection Date
- Grab ✓ MM 03 / DD 06 / YY 13 HH ___ / MM ___
- (or)
- Composite ○ Begin ___ / ___ / ___ ___ / ___
- End ___ / ___ / ___ ___ / ___

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)
- Field Duplicate ✓
- Field/Equip/Acid Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # DUP

Station ID # ____

Sample Location

County: Hamilton

Etown C&DD Landfill, field duplicate sample

Template ____

Demand
- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients
- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ~~✓ ------ Cyanide_Free (WAD)~~ → No Ac
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology
- ○ ------ *E. coli*
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.
- ✓ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------ ____
- ○ ------ ____

Metals (Please select one ICP AND one ICPMS package if needed)
- ○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)

- ○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages
- ○ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ○ ------ Silver
- ○ ------ ____
- ○ ------ ____
- ○ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------ ____
- ○ ------ ____

○ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:
- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	ORP	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	TDS	Corr.Cond, umho/cm
P50060	P94	P299		P61	P65	P400		P10		P94

White-Original(DES) Green-DES Yellow-Field Records

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All Rush Samples require prior approval

Ohio Environmental Protection Agency

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only

Sample # ~~151004~~ 151005

Date Received (MM DD YY) 03/07/13

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM / DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division (check one)		OEPA District (check one)	
DAPC	○	CO	✓
DDAGW	✓	CDO	○
DERR	○	NEDO	○
DHWM	○	NWDO	○
DSW	○	SEDO	○
DSIWM	○	SWDO	○
Other		Other	

Sample Type (check one)		Matrix (check one)	
Ambient	○	Air Filter	○
Complaint	○	Drinking water	○
Compliance	○	Ground water	○
Litigation	✓	Sediment	○
Survey	○	Surface water	○
Raw	○	Waste water	○
Plant	○ } DW only	Reagent Water	✓
Distribution	○ } DW only	Other	
Other			

Collection Date

Grab ✓ (or) Composite ○

	MM	DD	YY	HH	MM
Grab	03	06	13	18	00
Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate	○
Field Equip/Acid Blank	✓
MSD	○

Collected By S. Churchill

Customer ID # FB-EPA

Station ID #

Sample Location

County: Hamilton

Etown C+DD Landfill, field blank

Parameters

Template

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity, Total $CaCO_3$
- ○ ------ Alkalinity Total $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ✓ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------
- ○ ------

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1**, *Water only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only* (Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only* (Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only* (Zn,Mn)
- ○ ------ **ICPMS 1**, *Water only* (As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only* (As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only* (As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ✓ ------ Cobalt
- ✓ ------ Silver
- ○ ------
- ○ ------
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------
- ○ ------

○ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Chlorine, mg/l P50060	Cond, umho/cm P94	DO, mg/l P299	ORP	Flow, cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp, oC P10	TDS	Corr.Cond, umho/cm P94

Lab Comments

EPA 9001 (09/2013) White-Original(DES) Green-DES Yellow-Field Records

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All Rush Samples require prior approval

Ohio Environmental Protection Agency

DES Use Only
Sample # 151006
Date Received MM DD YY 03/07/13

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ☑
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ☑
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ☑
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ☑
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ☑	03	06	13	16	23
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ○
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # W-1

Station ID # _____

Sample Location Etown C&DD Landfill, well W-1

County: Hamilton

Parameters

Template _____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ☑ ------ VOC, 8260 see attached list } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, TICs } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs
- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Carbamates, 531.1 } Drinking Water Analysis
- ○ ------ Glyphosate, 547 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- ○ ------ Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____

Field Comments see attached list of VOCs needed

Lab Comments No TB

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

EPA 4708 (1/10) White-Original (DES) Green-DES Yellow-Field Page 1

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Ohio Environmental Protection Agency

DES Use Only
Sample # 151007
Date Received MM 03 DD 07 YY 13

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District(check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type(check one)

Ambient	○
Complaint	○
Compliance	○
Litigation	✓
Survey	○
Raw	○
Plant	○
Distribution	○
Other	

} DW only

Matrix(check one)

Air Canister	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent water	○
Other	

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	03	06	13	17	11
(or)					
Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
Trip Blank	○
MSD	○

Collected By S. Churchill

Customer ID # W-1S

Station ID #

Sample Location Monitoring well W-1S at Etown C+DD landfill

County: Hamilton

Template

○ ------ % Solids, Sed only

Volatiles

○ ------ VOC, 524.2 } Drinking Water Analysis

○ ------ VOC, 624 } Waste Water Analysis

✓ ------ VOC, 8260 } SW846 Analysis (see attached list)

○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note

○ ------ Cyanazine, 525.2
○ ------ Herbicides, 525.2
○ ------ Herbicides, TICs
} Drinking Water Analysis

○ ------ BNA, 625 } Waste Water Analysis

○ ------ BNA, 8270 } SW846 Analysis

○ ------ BNA, TICs

○ ------ SAS-305
○ ------ SAS-310

Pesticides / PCBs / Herbicides

○ ------ Pesticides. 505
○ ------ PCBs, 508 (508A)
○ ------ Carbamates, 531.1
○ ------ Glyphosate, 547
○ ------ EDB/DBCP, 504
○ ------ Acid Herbicides, 515
} Drinking Water Analysis

○ ------ Pesticides, 608
○ ------ PCBs, 608
○ ------ Chlordane, 608
○ ------ Toxaphene, 608
} Waste Water Analysis

○ ------ Pesticides, 8081
○ ------ PCBs, 8082
○ ------ Chlordane, 8081
○ ------ Toxaphene, 8081
} SW846 Analysis

Air Canister

○ ------ TO-14A
○ ------ Canister Cleaning, Only
} Air Analysis

Other

○ ------
○ ------
○ ------
○ ------
○ ------

Field Comments see attached list for specific VOCs

Lab Comments No TB

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

EPA 4708 (110) White-Original (DES) Green-DES Yellow-Field Records 09/2013

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Ohio Environmental Protection Agency

DES Use Only
Sample # 151008
Date Received MM DD YY 03/07/13

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ✓
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ✓
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ✓
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ✓
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	03	06	13	14	56
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ○
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # W-2

Station ID # _____

Sample Location

County: Hamilton

Etown C&DD Landfill, well W-2

Parameters

Template _____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ✓ ------ VOC, 8260 see attached list } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, TICs } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs

○ ------ SAS-305
○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Carbamates, 531.1 } Drinking Water Analysis
- ○ ------ Glyphosate, 547 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- ○ ------ Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____

Field Comments See attached list for specific VOCs

Lab Comments No TB

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

EPA 4708 (1/10) White-Original (DES) Green-DES Yellow-Field Records

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Ohio Environmental Protection Agency

DES Use Only
Sample # 151009
Date Received 03/07/13 (MM DD YY)

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM/DSIWM

Project Identity _____
(project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ☑
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ☑
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ☑
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ☑
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ☑	03	06	13	13	04
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ○
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # W-2S

Station ID # _____

Sample Location E-town C&DD landfill well W-2S

County: Hamilton

Parameters

Template _____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ☑ ------ VOC, 8260 see attached list } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, TICs } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs
- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Carbamates, 531.1 } Drinking Water Analysis
- ○ ------ Glyphosate, 547 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- ○ ------ Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____

Field Comments See attached list for specific VOCs

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

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Ohio Environmental Protection Agency

DES Use Only
Sample # 151010
Date Received 03/07/13 (MM DD YY)

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ☑
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ☑
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ☑
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ☑
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ☑	03	07	13	08	11
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl Y $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ○
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # W-3

Station ID # _____

Sample Location

County: Hamilton

Etown C+DD Landfill, well W-3

Parameters

Template _____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ☑ ------ VOC, 8260 See attached list } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, TICs } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs
- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Carbamates, 531.1 } Drinking Water Analysis
- ○ ------ Glyphosate, 547 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- ○ ------ Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____

Field Comments See attached list for specific VOCs

Lab Comments No TB

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

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Ohio | **Environmental Protection Agency**

DES Use Only
Sample # 151011
Date Received MM DD YY 03/07/13

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM / DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District(check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type(check one)

Ambient	○
Complaint	○
Compliance	○
Litigation	✓
Survey	○
Raw	○ (DW only)
Plant	○ (DW only)
Distribution	○ (DW only)
Other	

Matrix(check one)

Air Canister	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent water	○
Other	

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	03	07	13	09	10
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl & $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
Trip Blank	○
MSD	○

Collected By S. Churchill

Customer ID # W-4

Station ID #

Sample Location

County:

Parameters

Template

○ ------ % Solids, Sed only

Volatiles

○ ------ VOC, 524.2 } Drinking Water Analysis
○ ------ VOC, 624 } Waste Water Analysis
✓ ------ VOC, 8260 see attached list } SW846 Analysis
○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note

○ ------ Cyanazine, 525.2
○ ------ Herbicides, 525.2
○ ------ Herbicides, TICs
} Drinking Water Analysis

○ ------ BNA, 625 } Waste Water Analysis
○ ------ BNA, 8270 } SW846 Analysis
○ ------ BNA, TICs

○ ------ SAS-305
○ ------ SAS-310

Pesticides / PCBs / Herbicides

○ ------ Pesticides. 505
○ ------ PCBs, 508 (508A)
○ ------ Carbamates, 531.1
○ ------ Glyphosate, 547
○ ------ EDB/DBCP, 504
○ ------ Acid Herbicides, 515
} Drinking Water Analysis

○ ------ Pesticides, 608
○ ------ PCBs, 608
○ ------ Chlordane, 608
○ ------ Toxaphene, 608
} Waste Water Analysis

○ ------ Pesticides, 8081
○ ------ PCBs, 8082
○ ------ Chlordane, 8081
○ ------ Toxaphene, 8081
} SW846 Analysis

Air Canister

○ ------ TO-14A
○ ------ Canister Cleaning, Only
} Air Analysis

Other

○ ------
○ ------
○ ------
○ ------
○ ------

Field Comments See attached list for specific VOCs

Lab Comments No TB

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

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151012 SR

Ohio Environmental Protection Agency

DES Use Only
Sample # ~~150448~~
Date Received MM 03 DD 07 YY 13

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ✓
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other ____

OEPA District(check one)
- CO ✓
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other ____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ✓
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other ____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ✓
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other ____

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	03	06	13	10	19
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl Y $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ○
- Trip Blank ○
- MSD ○

Collected By S.Churchill

Customer ID # W-5

Station ID # ____

Sample Location Etown C+DD Landfill, well W-5

County: Hamilton

Parameters

Template ____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ✓ ------ VOC, 8260 See attached list } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, TICs } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs
- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Carbamates, 531.1 } Drinking Water Analysis
- ○ ------ Glyphosate, 547 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- ○ ------ Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ ____
- ○ ------ ____
- ○ ------ ____
- ○ ------ ____
- ○ ------ ____

Field Comments See attached list for specific VOCs

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

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Ohio Environmental Protection Agency

DES Use Only
Sample # 151013
Date Received MM 03 DD 07 YY 13

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ✓
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ✓
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ✓
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ✓
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab (✓)	03	~~07~~ 06 RC	13	~~08~~ 11	~~11~~ 24 RC
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	(HCl) $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ○
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # W-5S

Station ID # _____

County: Hamilton

Sample Location

Etown C+DD Landfill, well W-5S

Parameters

Template _____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ✓ ------ VOC, 8260 see attached list } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, TICs } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs
- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Carbamates, 531.1 } Drinking Water Analysis
- ○ ------ Glyphosate, 547 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- ○ ------ Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____

Field Comments See attached list for specific VOCs

Lab Comments No TB

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

EPA 4708 (1/10) White-Original (DES) Green-DES Yellow-Field Records

Remove yellow copy of form for your records prior to submitting form to DES

Ohio Environmental Protection Agency

DES Use Only
Sample # 151014
Date Received ~~02~~ 03 / 07 / 13 (MM DD YY)

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM / DSIWM

Project Identity _____ (project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ✓
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ✓
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ✓
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ✓
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	03	06	13		
(or)					
Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ✓
- Field/Equip/Acid Blank ○
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # DUP

Station ID # _____

Sample Location Etown C+DD Landfill, field duplicate sample

County: Hamilton

Parameters

Template _____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ✓ ------ VOC, 8260 see attached list } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, TICs } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs
- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Carbamates, 531.1 } Drinking Water Analysis
- ○ ------ Glyphosate, 547 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- ○ ------ Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____

Field Comments See attached list for specific VOCs

Lab Comments No TD

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

EPA 4708 (1/10) White-Original (DES) Green-DES Yellow-Field Records

Remove yellow copy of form for your records prior to submitting form to DES

151015

Ohio Environmental Protection Agency

DES Use Only
Sample # 151015
Date Received MM 03 DD 07 YY 13

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ☑
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other ____

OEPA District(check one)
- CO ☑
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other ____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ☑
- Survey ○
- Raw ○
- Plant ○ } DW only
- Distribution ○ } DW only
- Other ____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- ~~Ground water~~ ☑ No (IC)
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ☑
- Other ____

Collection Date

	MM	DD	YY	HH	MM
Grab ☑	03	06	13	18	00
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
2	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ☑
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # FB-EPA

Station ID # ____

Sample Location

County: Hamilton

Etown C+DD Landfill, field blank

Template ____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ☑ ------ VOC, 8260 see attached list } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2
- ○ ------ Herbicides, TICs
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs

- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A)
- ○ ------ Carbamates, 531.1
- ○ ------ Glyphosate, 547
- ○ ------ EDB/DBCP, 504
- ○ ------ Acid Herbicides, 515
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608
- ○ ------ Chlordane, 608
- ○ ------ Toxaphene, 608
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082
- ○ ------ Chlordane, 8081
- ○ ------ Toxaphene, 8081

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only

Other
- ○ ------ ____
- ○ ------ ____
- ○ ------ ____
- ○ ------ ____
- ○ ------ ____

Field Comments See attached list for specific VOCs

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

EPA 4708 (1/10) White-Original (DES) Green-DES Yellow-Field Rep

Remove yellow copy of form for your records prior to submitting form to DES

Ohio Environmental Protection Agency

DES Use Only
Sample # 151016
Date Received MM DD YY 03/07/13

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM/DSIWM

Project Identity (project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ✓
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ✓
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ✓
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ○
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ✓
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	03	06	13		
(or)					
Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
1	Vial, VOC	HCl $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ○
- Trip Blank ✓
- MSD ○

Collected By _____

Customer ID # TB-EPA

Station ID # _____

Sample Location Etown C&DD Landfill, trip blank

County: Hamilton

Parameters

Template _____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ✓ ------ VOC, 8260 see attached list } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, TICs } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs
- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Carbamates, 531.1 } Drinking Water Analysis
- ○ ------ Glyphosate, 547 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- ○ ------ Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____

Field Comments See attached list for specific VOCs

Lab Comments

Chlorine,mg/l P50060	Cond,umho/cm P94	DO,mg/l P299	Flow,cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp,oC P10	Corr.Cond, umho/cm P94

EPA 4708 (1/10) White-Original (DES) Green-DES Yellow-Field Rep

Remove yellow copy of form for your records prior to submitting form to DES

Ohio Environmental Protection Agency

Division of Environmental Services

Chemistry Laboratory Chain of Custody Report

Date Received (Lab use only) — Year | Month | Day

Collected by * _____

Ohio EPA Districts ☐ NEDO ☐ SWDO ☐ CO ☐ Other ☐ SEDO ☐ NWDO ☐ CDO

Division ☐ DSW ☐ DERR ☐ DDAGW ☐ DSIWM ☐ DAPC ☐ Other

Date of Grab Sample — Y Y M M D D

Beginning and End Date of Composite Sample

Laboratory Number(s) (Lab use only) _____

Location(s) _____

Q.C. - Field Samples # ☐ Trip Blank (organics only) # ☐ Field Bank # ☐ Duplicate

Sample Type(s) ☐ Compliance ☐ Ambient ☐ Survey ☐ Complaint ☐ Possible Legal Action ☐ With Bioassay ☐ Organic(s) ☐ Fish Tissue

Additional Information/Comments _____

Condition of Container of Transfer: (Seal all containers) _____ Locked or Tamper Proof _____ Unlocked or Not Tamper Proof _____ Initial

Number of Samples (Containers/Sites) _____

MILITARY TIME

	Year	Month	Day	Hour	Minute
Relinquished by (must be collector*)					
Received by					
Relinquished by					
Received by					
Relinquished by					
Received by					
Relinquished by					
Received by					

Distribution
White-Laboratory
Canary-Originator-After Lab Signature
Pink-Q.A.
Goldenrod-Q.A.

EPA 4705
Printed on Recycled Paper (1/10)

Ohio EPA Correspondence
E-town C&DD

09/2013

OhioEPA Division of Environmental Services
Batch Report

Batch: 8260_0516-062513

Approved By: SROBERTS **On** 07/11/2013 13:34 **Status:** R **Test:** USEPA 8260B
Created By: AJAMAL **ELIMS Analysis:** 8260_(WAT) **Surrogate:** 8260_SUR
Analyst: AJAMAL **Batch Type:** INSTRUMENT **Sur. Dilution:** 1

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	259903-BL-1		259903-BL		
2	QCS	QCS_PR	259904-QCS-1	8260_QCS	259904-QCS		
5	153372	SAMPLE	153372-(WAT)-1 \ 1		153372-(WAT)		Monitoring Well
6	153373	SAMPLE	153373-(WAT)-1		153373-(WAT)		Monitoring Well
7	153374	SAMPLE	153374-(WAT)-1		153374-(WAT)	FB	Monitoring Well
8	MS	MATRIX_SPIKE_PR	MS153372-(WAT)-1 \ 2	8260_SPK	153372-(WAT)		Monitoring Well
9	MSD	MS_RPD	MSD153372-(WAT)-1 \ 3	8260_SPK	153372-(WAT)		Monitoring Well
9	MSD	MS_DUPLICATE_PR	MSD153372-(WAT)-1 \ 3	8260_SPK	153372-(WAT)		Monitoring Well
10	153375	SAMPLE	153375-(WAT)-1		153375-(WAT)	FB	Etown C+DD Wa
11	153376	SAMPLE	153376-(WAT)-1		153376-(WAT)	FB	Field Blank
12	153377	SAMPLE	153377-(WAT)-1		153377-(WAT)		Field Blank 2 @
13	153378	SAMPLE	153378-(WAT)-1		153378-(WAT)		Monitoring Well
14	153379	SAMPLE	153379-(WAT)-1		153379-(WAT)	MSD	Field Duplicate (
16	153759	SAMPLE	153759-(WAT)-1		153759-(WAT)	TB	Trip Blank

Comments:

This analytical batch is a mix of three separate sampling events. Since I can only enter one comment for the batch, I'll attempt to keep them as separate as possible. Samples 153372-153379 & 153759 (the A group) were collected 6/10-11/13 and samples 153380-153382 (the B group) were collected 6/12 and are part of a larger sampling event. The C group of samples doesn't require a QA deliverables package and won't be mentioned. All blanks were free contamination with the exception of the trip blanks and field blank from group B. These had low level hits for trichloroethene which is why the group B samples are qualified for this compound. The QC had acceptable recovery for all but two compounds; both iodomethane and vinyl acetate had high recoveries, but no samples had these compounds present. The MS/MSD was from the A group. All compounds were high in the MS while only chlorobenzene was high in the MSD; the sample had none of the spike compounds present. The second QC for dilutions with the B group and is replicated from the next analytical batch. This QC was high for 1,1-dichloropropane, trichlorofluoromethan, and vinyl acetate. Samples 153380 & 153382 were diluted this day for trichloroethene only.

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	259903-BL-1	**Test:**	USEPA 8260B
Batch:	8260_0516-062513	**Units:**	ug/L
Analysis Date:	06/19/2013 11:03	**Analyst:**	AJAMAL

Analyte	Result	QCL	Qualifier
Acetone	0	5	
Acrylonitrile	0	1	
Benzene	0	0.5	
Bromobenzene	0	0.5	
Bromochloromethane	0	0.5	
Bromodichloromethane	0	0.5	
Bromoform	0	0.5	
Bromomethane	0	0.5	
2-Butanone	0	1	
n-Butylbenzene	0	0.5	
sec-Butylbenzene	0	0.5	
tert-Butylbenzene	0	0.5	
Carbon disulfide	0	1	
Carbon tetrachloride	0	0.5	
Chlorobenzene	0	0.5	
Chloroethane	0	0.5	
Chloroform	0	0.5	
Chloromethane	0	0.5	
2-Chlorotoluene	0	0.5	
4-Chlorotoluene	0	0.5	
Dibromochloromethane	0	0.5	
1,2-Dibromo-3-chloropropane	0	0.5	
1,2-Dibromoethane	0	0.5	
Dibromomethane	0	0.5	
trans-1,4-Dichloro-2-butene	0	1	
1,2-Dichlorobenzene	0	0.5	
1,3-Dichlorobenzene	0	0.5	
1,4-Dichlorobenzene	0	0.5	
Dichlorodifluoromethane	0	0.5	
1,1-Dichloroethane	0	0.5	
1,2-Dichloroethane	0	0.5	
1,1-Dichloroethene	0	0.5	
cis-1,2-Dichloroethene	0	0.5	
1,2-Dichloropropane	0	0.5	
1,3-Dichloropropane	0	0.5	
2,2-Dichloropropane	0	0.5	
1,1-Dichloropropene	0	0.5	
cis-1,3-Dichloropropene	0	0.5	
trans-1,3-Dichloropropene	0	0.5	
Ethylbenzene	0	0.5	
Hexachlorobutadiene	0	0.5	
2-Hexanone	0	1	
Iodomethane	0	1	
Isopropylbenzene	0	0.5	
4-Isopropyltoluene	0	0.5	

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	259903-BL-1	**Test:**	USEPA 8260B
Batch:	8260_0516-062513	**Units:**	ug/L
Analysis Date:	06/19/2013 11:03	**Analyst:**	AJAMAL

Analyte	Result	QCL	Qualifier
Methylene chloride	0	0.5	
4-Methyl-2-pentanone	0	1	
Naphthalene	0	0.5	
n-Propylbenzene	0	0.5	
Styrene	0	0.5	
1,1,1,2-Tetrachloroethane	0	0.5	
1,1,2,2-Tetrachloroethane	0	0.5	
Tetrachloroethene	0	0.5	
Toluene	0	0.5	
1,2,3-Trichlorobenzene	0	0.5	
1,2,4-Trichlorobenzene	0	0.5	
1,1,1-Trichloroethane	0	0.5	
1,1,2-Trichloroethane	0	0.5	
Trichloroethene	0	0.5	
Trichlorofluoromethane	0	0.5	
1,2,3-Trichloropropane	0	0.5	
1,2,4-Trimethylbenzene	0	0.5	
1,3,5-Trimethylbenzene	0	0.5	
Vinyl acetate	0	1	
Vinyl chloride	0	0.5	
o-Xylene	0	0.5	
Total m&p-xylenes	0	0.5	

Surrogate Recovery (%)		**QC Limits**	
1,2-Dichloroethane-d4	109	81	128
4-Bromofluorobenzene	102	91	119
Toluene-d8	108	88	123

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	153372-(WAT)-1	**Analysis Date:**	06/19/2013 13:15	**Test:**	USEPA 8260B
Spike:	MS153372-(WAT)-1	**Analysis Date:**	06/19/2013 14:53	**Units:**	ug/L
Batch:	8260_0516-062513	**Analyst:**	AJAMAL	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Benzene		<0.50	11.7	10	117	90	116	*
Chlorobenzene		<0.50	13	10	130	87	120	*
1,1-Dichloroethene		<0.50	13.6	10	136	79	134	*
Toluene		<0.50	12.4	10	124	87	123	*
Trichloroethene		<0.50	13.8	10	138	70	136	*
Surrogate Recovery (%)								
1,2-Dichloroethane-d4		115	121			81	128	
4-Bromofluorobenzene		97	99			91	119	
Toluene-d8		105	95			88	123	

Sample:	153372-(WAT)-1	**Analysis Date:**	06/19/2013 13:15	**Test:**	USEPA 8260B
Spike:	MSD153372-(WAT)-1	**Analysis Date:**	06/19/2013 15:26	**Units:**	ug/L
Batch:	8260_0516-062513	**Analyst:**	AJAMAL	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Benzene		<0.50	11.3	10	113	90	116	
Chlorobenzene		<0.50	12.7	10	127	87	120	*
1,1-Dichloroethene		<0.50	13	10	130	79	134	
Toluene		<0.50	12.2	10	122	87	123	
Trichloroethene		<0.50	13.3	10	133	70	136	
Surrogate Recovery (%)								
1,2-Dichloroethane-d4		115	115			81	128	
4-Bromofluorobenzene		97	107			91	119	
Toluene-d8		105	98			88	123	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	259904-QCS-1	**Test:**	USEPA 8260B
Batch:	8260_0516-062513	**Units:**	ug/L
Analysis Date:	06/19/2013 11:36	**Analyst:**	AJAMAL

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Acetone	9.8	10	98	83	115	
Acrylonitrile	9.97	10	100	92	110	
Benzene	10	10	100	91	112	
Bromobenzene	10	10	100	90	109	
Bromochloromethane	9.38	10	94	92	112	
Bromodichloromethane	10.1	10	101	89	113	
Bromoform	10.1	10	101	90	108	
Bromomethane	11.5	10	115	85	132	
2-Butanone	9.84	10	98	85	115	
n-Butylbenzene	10.2	10	102	89	111	
sec-Butylbenzene	10.1	10	101	87	119	
tert-Butylbenzene	10.3	10	103	89	112	
Carbon disulfide	10.3	10	103	82	119	
Carbon tetrachloride	10.3	10	103	90	113	
Chlorobenzene	10.3	10	103	92	109	
Chloroethane	10.2	10	102	86	117	
Chloroform	9.8	10	98	91	110	
Chloromethane	10.3	10	103	80	126	
2-Chlorotoluene	10.2	10	102	90	110	
4-Chlorotoluene	9.87	10	99	90	110	
Dibromochloromethane	9.93	10	99	92	108	
1,2-Dibromo-3-chloropropane	9.86	10	99	86	108	
1,2-Dibromoethane	9.54	10	95	92	109	
Dibromomethane	9.56	10	96	92	110	
trans-1,4-Dichloro-2-butene	10.1	10	101	92	110	
1,2-Dichlorobenzene	10.5	10	105	91	108	
1,3-Dichlorobenzene	10.5	10	105	91	108	
1,4-Dichlorobenzene	10.5	10	105	91	110	
Dichlorodifluoromethane	10.7	10	107	72	141	
1,1-Dichloroethane	10.2	10	102	91	112	
1,2-Dichloroethane	10.1	10	101	91	109	
1,1-Dichloroethene	10.7	10	107	83	129	
cis-1,2-Dichloroethene	9.82	10	98	92	113	
1,2-Dichloropropane	10.4	10	104	91	110	
1,3-Dichloropropane	9.78	10	98	92	110	
2,2-Dichloropropane	9.99	10	100	85	117	
1,1-Dichloropropene	11	10	110	91	113	
cis-1,3-Dichloropropene	10.2	10	102	91	110	
trans-1,3-Dichloropropene	10.2	10	102	87	112	
Ethylbenzene	10.1	10	101	91	111	
Hexachlorobutadiene	10.4	10	104	89	112	
2-Hexanone	9.48	10	95	87	113	
Iodomethane	12.3	10	123	92	110	*
Isopropylbenzene	10.4	10	104	77	117	
4-Isopropyltoluene	10.2	10	102	87	111	
Methylene chloride	10.1	10	101	93	112	
4-Methyl-2-pentanone	9.97	10	100	89	111	
Naphthalene	9.72	10	97	87	109	

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	259904-QCS-1	**Test:**	USEPA 8260B
Batch:	8260_0516-062513	**Units:**	ug/L
Analysis Date:	06/19/2013 11:36	**Analyst:**	AJAMAL

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
n-Propylbenzene	10.2	10	102	89	111	
Styrene	9.81	10	98	90	112	
1,1,1,2-Tetrachloroethane	9.69	10	97	92	108	
1,1,2,2-Tetrachloroethane	10.2	10	102	87	112	
Tetrachloroethene	10.3	10	103	91	111	
Toluene	10.1	10	101	92	110	
1,2,3-Trichlorobenzene	9.92	10	99	89	109	
1,2,4-Trichlorobenzene	9.74	10	97	89	108	
1,1,1-Trichloroethane	10.1	10	101	91	112	
1,1,2-Trichloroethane	10	10	100	92	111	
Trichloroethene	10.3	10	103	92	110	
Trichlorofluoromethane	10.8	10	108	89	113	
1,2,3-Trichloropropane	9.89	10	99	88	111	
1,2,4-Trimethylbenzene	10.2	10	102	91	111	
1,3,5-Trimethylbenzene	10.1	10	101	90	110	
Vinyl acetate	12.3	10	123	92	110	*
Vinyl chloride	10.5	10	105	90	114	
o-Xylene	9.89	10	99	92	110	
Total m&p-xylenes	19.6	20	98	92	110	
Surrogate Recovery (%)						
1,2-Dichloroethane-d4	4.9	5	98	81	128	
4-Bromofluorobenzene	5.3	5	106	91	119	
Toluene-d8	5.1	5	101	88	123	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153372	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
Begin:		**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/11/2013 10:21	**Station ID:**	W-2s
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-2s				

					Begin	End
Aliquot:	153372-(WAT)-1 \ 1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153372	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/11/2013 10:21	**Station ID:**	W-2s
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-2s				

					Begin	End
Aliquot:	153372-(WAT)-1 \ 1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	115	81	128	
4-Bromofluorobenzene	97	91	119	
Toluene-d8	105	88	123	

Field Comments

Lab Comments

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153373	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
Begin:		**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/11/2013 09:05	**Station ID:**	W-5s
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-5s				

					Begin	End
Aliquot:	153373-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153373	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
Begin:		**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/11/2013 09:05	**Station ID:**	W-5s
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-5s				

					Begin	End
Aliquot:	153373-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	116	81	128	
4-Bromofluorobenzene	99	91	119	
Toluene-d8	106	88	123	

Field Comments

Lab Comments

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153374	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
Begin:		**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/11/2013 07:59	**Station ID:**	W-6
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-6				

					Begin	End
Aliquot:	153374-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153374	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/11/2013 07:59	**Station ID:**	W-6
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-6				

					Begin	End
Aliquot:	153374-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	116	81	128	
4-Bromofluorobenzene	96	91	119	
Toluene-d8	104	88	123	

Field Comments

Lab Comments

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153375	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 13:39	**Station ID:**	Etown C+DD Water Sup
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Etown C+DD Water Supply Well				

					Begin	End
Aliquot:	153375-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153375	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 13:39	**Station ID:**	Etown C+DD Water Sup
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Etown C+DD Water Supply Well				

					Begin	End
Aliquot:	153375-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	117	81	128	
4-Bromofluorobenzene	97	91	119	
Toluene-d8	101	88	123	

Field Comments

Lab Comments

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153376	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/11/2013 08:20	**Station ID:**	Field Blank
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Field Blank				

					Begin	End
Aliquot:	153376-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153376	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/11/2013 08:20	**Station ID:**	Field Blank
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Field Blank				

					Begin	End
Aliquot:	153376-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	114	81	128	
4-Bromofluorobenzene	96	91	119	
Toluene-d8	105	88	123	

Field Comments

Lab Comments

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153377	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 13:39	**Station ID:**	Field Blank 2
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Field Blank 2 @ Water Supply Well				

					Begin	End
Aliquot:	153377-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153377	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 13:39	**Station ID:**	Field Blank 2
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Field Blank 2 @ Water Supply Well				

					Begin	End
Aliquot:	153377-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	115	81	128	
4-Bromofluorobenzene	98	91	119	
Toluene-d8	103	88	123	

Field Comments

Lab Comments

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153378	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 15:47	**Station ID:**	W-1s
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-1s Etown C+DD				

					Begin	End
Aliquot:	153378-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	5.40	5	
Acrylonitrile	000107-13-1	<1.00	1	
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153378	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 15:47	**Station ID:**	W-1s
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-1s Etown C+DD				

					Begin	End
Aliquot:	153378-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	103	81	128	
4-Bromofluorobenzene	95	91	119	
Toluene-d8	101	88	123	

Field Comments

Lab Comments

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153379	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
Begin:		**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 15:47	**Station ID:**	DUP
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Field Duplicate (DUP)				

					Begin	End
Aliquot:	153379-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	5.79	5	
Acrylonitrile	000107-13-1	<1.00	1	
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153379	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 15:47	**Station ID:**	DUP
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Field Duplicate (DUP)				

					Begin	End
Aliquot:	153379-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	107	81	128	
4-Bromofluorobenzene	95	91	119	
Toluene-d8	102	88	123	

Field Comments

Lab Comments

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153759	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/18/2013 15:24	**Matrix**	RW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	OTHER
Date Collected:			06/10/2013 15:47	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Trip Blank				

					Begin	End
Aliquot:	153759-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Acetone	000067-64-1	<5.00	5	
Acrylonitrile	000107-13-1	<1.00	1	
Benzene	000071-43-2	<0.50	0.5	
Bromobenzene	000108-86-1	<0.50	0.5	
Bromochloromethane	000074-97-5	<0.50	0.5	
Bromodichloromethane	000075-27-4	<0.50	0.5	
Bromoform	000075-25-2	<0.50	0.5	
Bromomethane	000074-83-9	<0.50	0.5	
2-Butanone	000078-93-3	<1.00	1	
n-Butylbenzene	000104-51-8	<0.50	0.5	
sec-Butylbenzene	000135-98-8	<0.50	0.5	
tert-Butylbenzene	000098-06-6	<0.50	0.5	
Carbon disulfide	000075-15-0	<1.00	1	
Carbon tetrachloride	000056-23-5	<0.50	0.5	
Chlorobenzene	000108-90-7	<0.50	0.5	
Chloroethane	000075-00-3	<0.50	0.5	
Chloroform	000067-66-3	<0.50	0.5	
Chloromethane	000074-87-3	<0.50	0.5	
2-Chlorotoluene	000095-49-8	<0.50	0.5	
4-Chlorotoluene	000106-43-4	<0.50	0.5	
Dibromochloromethane	000124-48-1	<0.50	0.5	
1,2-Dibromo-3-chloropropane	000096-12-8	<0.50	0.5	
1,2-Dibromoethane	000106-93-4	<0.50	0.5	
Dibromomethane	000074-95-3	<0.50	0.5	
trans-1,4-Dichloro-2-butene	000110-57-6	<1.00	1	
1,2-Dichlorobenzene	000095-50-1	<0.50	0.5	
1,3-Dichlorobenzene	000541-73-1	<0.50	0.5	
1,4-Dichlorobenzene	000106-46-7	<0.50	0.5	
Dichlorodifluoromethane	000075-71-8	<0.50	0.5	
1,1-Dichloroethane	000075-34-3	<0.50	0.5	
1,2-Dichloroethane	000107-06-2	<0.50	0.5	
1,1-Dichloroethene	000075-35-4	<0.50	0.5	
cis-1,2-Dichloroethene	000156-59-2	<0.50	0.5	
trans-1,2-Dichloroethene	000156-60-5	<0.50	0.5	
1,2-Dichloropropane	000078-87-5	<0.50	0.5	
1,3-Dichloropropane	000142-28-9	<0.50	0.5	
2,2-Dichloropropane	000594-20-7	<0.50	0.5	
1,1-Dichloropropene	000563-58-6	<0.50	0.5	
cis-1,3-Dichloropropene	010061-01-5	<0.50	0.5	
trans-1,3-Dichloropropene	010061-02-6	<0.50	0.5	
Ethylbenzene	000100-41-4	<0.50	0.5	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153759	**Test:**	USEPA 8260B	**Batch:**	8260_0516-062513
Date Received:	06/18/2013 15:24	**Matrix**	RW	**Collected by:**	OTHERS
Begin:		**End:**		**Sample Type:**	OTHER
Date Collected:			06/10/2013 15:47	**Station ID:**	
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Trip Blank				

					Begin	End
Aliquot:	153759-(WAT)-1	**Dilution:**	1	**Prep Date:**	06/19/2013	06/19/2013
Analyst:	AJAMAL	**Units:**	ug/L	**Analysis Date:**	06/19/2013	06/19/2013

Analytes	CAS Number	Result	RL	Qualifier
Hexachlorobutadiene	000087-68-3	<0.50	0.5	
2-Hexanone	000591-78-6	<1.00	1	
Iodomethane	000074-88-4	<1.00	1	
Isopropylbenzene	000098-82-8	<0.50	0.5	
4-Isopropyltoluene	000099-87-6	<0.50	0.5	
Methylene chloride	000075-09-2	<0.50	0.5	
4-Methyl-2-pentanone	000108-10-1	<1.00	1	
Naphthalene	000091-20-3	<0.50	0.5	
n-Propylbenzene	000103-65-1	<0.50	0.5	
Styrene	000100-42-5	<0.50	0.5	
1,1,1,2-Tetrachloroethane	000630-20-6	<0.50	0.5	
1,1,2,2-Tetrachloroethane	000079-34-5	<0.50	0.5	
Tetrachloroethene	000127-18-4	<0.50	0.5	
Toluene	000108-88-3	<0.50	0.5	
1,2,3-Trichlorobenzene	000087-61-6	<0.50	0.5	
1,2,4-Trichlorobenzene	000120-82-1	<0.50	0.5	
1,1,1-Trichloroethane	000071-55-6	<0.50	0.5	
1,1,2-Trichloroethane	000079-00-5	<0.50	0.5	
Trichloroethene	000079-01-6	<0.50	0.5	
Trichlorofluoromethane	000075-69-4	<0.50	0.5	
1,2,3-Trichloropropane	000096-18-4	<0.50	0.5	
1,2,4-Trimethylbenzene	000095-63-6	<0.50	0.5	
1,3,5-Trimethylbenzene	000108-67-8	<0.50	0.5	
Vinyl acetate	000108-05-4	<1.00	1	
Vinyl chloride	000075-01-4	<0.50	0.5	
o-Xylene	000095-47-6	<0.50	0.5	
Total m&p-xylenes	000108-38-3	<0.50	0.5	

Surrogate	% Recovery	Lower	Upper	Qualifier
1,2-Dichloroethane-d4	120	81	128	
4-Bromofluorobenzene	96	91	119	
Toluene-d8	102	88	123	

Field Comments

Lab Comments TB for samples 153372 to 153379.

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Duplicate / Duplicate Spike Report

Duplicate 1:	MS153372-(WAT)-1	**Analysis Date:**	06/19/2013 14:53	**Test:**	USEPA 8260B
Duplicate 2:	MSD153372-(WAT)-1	**Analysis Date:**	06/19/2013 15:26	**Units:**	ug/L
Batch:	8260_0516-062513	**Analyst:**	AJAMAL	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)		Qualifier
Benzene		11.7	11.3	3	0	20	
Chlorobenzene		13	12.7	2	0	20	
1,1-Dichloroethene		13.6	13	5	0	20	
Toluene		12.4	12.2	2	0	20	
Trichloroethene		13.8	13.3	4	0	20	
Surrogate Recovery (%)							
1,2-Dichloroethane-d4		121	115		81	128	
4-Bromofluorobenzene		99	107		91	119	
Toluene-d8		95	98		88	123	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: 8270_0337-061813

Approved By: SROBERTS **On** 07/15/2013 12:45 **Status:** R **Test:** USEPA 8270
Created By: SCHUNG **ELIMS Analysis:** 8270_(WAT) **Surrogate:** 8270_SUR
Analyst: SCHUNG **Batch Type:** INSTRUMENT **Sur. Dilution:** 1

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	256918-BL-1		256918-BL		
2	QCS	QCS_PR	256919-QCS-1	8270_QCS	256919-QCS		
3	153378	SAMPLE	153378-(WAT)-2		153378-(WAT)		Monitoring Well
4	153379	SAMPLE	153379-(WAT)-2 \ 1		153379-(WAT)	MSD	Field Duplicate (

Comments:

This analytical batch consists of one sampling event. The associated lab blank was free of contamination. The QC showed acceptable recovery for all but three compounds: both 1,4-dichlorobenzene and N-nitroso-di-n-propylamine were high (no compounds present in samples) while pentachlorophenol was low requireing the samples to be qualified. Some compounds also read low in the reporting limit check. These compounds have been qualified in the sample results. Both bis(2-ethylhexyl)phthalate and butylbenzylphthalate had elevated reporting limit checks this is why these two compounds are estimated where they were detected. Unfortunately due to some miscommunication with the sample prep. person, the MS/MSD did not get extracted.

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	256918-BL-1	**Test:**	USEPA 8270
Batch:	8270_0337-061813	**Units:**	ug/L
Analysis Date:	06/25/2013 14:10	**Analyst:**	SCHUNG

Analyte	Result	QCL	Qualifier
Acenaphthene	0	2	
Acenaphthylene	0	2	
Acetophenone	0	2	
2-Acetylaminofluorene	0	2	
Aniline	0	2	
Anthracene	0	2	
Benz[a]anthracene	0	2	
Benzo[a]pyrene	0	2	
Benzo[b]fluoranthene	0	2	
Benzo[g,h,i]perylene	0	2	
Benzo[k]fluoranthene	0	2	
Benzyl alcohol	0	2	
bis(2-Chloroethoxy)methane	0	2	
bis(2-Chloroethyl)ether	0	2	
bis(2-Chloroisopropyl)ether	0	2	
bis(2-Ethylhexyl)phthalate	1.8	2	
4-Bromophenyl-phenylether	0	2	
Butylbenzylphthalate	0	2	
4-Chloro-3-methylphenol	0	2	
2-Chloronaphthalene	0	2	
2-Chlorophenol	0	2	
4-Chlorophenyl-phenylether	0	2	
Chrysene	0	2	
Di-n-butylphthalate	0	2	
Di-n-octylphthalate	0	2	
Dibenz[a,h]anthracene	0	2	
Dibenzofuran	0	2	
1,3-Dichlorobenzene	0	2	
1,4-Dichlorobenzene	0	2	
1,2-Dichlorobenzene	0	2	
3,3'-Dichlorobenzidine	0	2	
2,6-Dichlorophenol	0	2	
2,4-Dichlorophenol	0	2	
Diethylphthalate	0	2	
p-Dimethylaminoazobenzene	0	2	
7,12-Dimethylbenz[a]anthracene	0	2	
2,4-Dimethylphenol	0	2	
Dimethylphthalate	0	2	
4,6-Dinitro-2-methylphenol	0	2	
1,3-Dinitrobenzene	0	2	
2,4-Dinitrophenol	0	2	
2,6-Dinitrotoluene	0	2	
2,4-Dinitrotoluene	0	2	
Dinoseb	0	2	
Diphenylamine	0	2	

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	256918-BL-1	**Test:**	USEPA 8270
Batch:	8270_0337-061813	**Units:**	ug/L
Analysis Date:	06/25/2013 14:10	**Analyst:**	SCHUNG

Analyte	Result	QCL	Qualifier
Ethyl methanesulfonate	0	2	
Fluoranthene	0	2	
Fluorene	0	2	
Hexachlorobenzene	0	2	
Hexachlorobutadiene	0	2	
Hexachlorocyclopentadiene	0	2	
Hexachloroethane	0	2	
Hexachloropropene	0	2	
Indeno[1,2,3-cd]pyrene	0	2	
Isophorone	0	2	
Methyl methanesulfonate	0	2	
3-Methylcholanthrene	0	2	
2-Methylnaphthalene	0	2	
3&4-Methylphenol	0	2	
2-Methylphenol	0	2	
N-Nitroso-di-n-butylamine	0	2	
N-Nitroso-di-n-propylamine	0	2	
N-Nitrosomorpholine	0	2	
N-Nitrosopiperidine	0	2	
N-Nitrosopyrrolidine	0	2	
Naphthalene	0	2	
1,4-Naphthoquinone	0	2	
2-Nitroaniline	0	2	
4-Nitroaniline	0	2	
Nitrobenzene	0	2	
4-Nitrophenol	0	2	
2-Nitrophenol	0	2	
Pentachlorobenzene	0	2	
Pentachlorophenol	0	2	
Phenacetin	0	2	
Phenanthrene	0	2	
Phenol	0	2	
2-Picoline	0	2	
Pronamide	0	2	
Pyrene	0	2	
Safrole	0	2	
1,2,4,5-Tetrachlorobenzene	0	2	
2,3,4,6-Tetrachlorophenol	0	2	
1,2,4-Trichlorobenzene	0	2	
2,4,6-Trichlorophenol	0	2	
2,4,5-Trichlorophenol	0	2	

Surrogate Recovery (%)		QC Limits	
2,4,6-Tribromophenol	72	57	101
2-Fluorobiphenyl	77.65	67	102
2-Fluorophenol	81.05	45	96
Nitrobenzene-d5	95.1	66	103

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	256918-BL-1	**Test:**	USEPA 8270
Batch:	8270_0337-061813	**Units:**	%
Analysis Date:	06/25/2013 14:10	**Analyst:**	SCHUNG

Analyte	Result	QCL		Qualifier
Surrogate Recovery (%)		**QC Limits**		
Phenol-d6	77.55	58	101	
Terphenyl-d14	89.15	62	109	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	256919-QCS-1	**Test:**	USEPA 8270
Batch:	8270_0337-061813	**Units:**	ug/L
Analysis Date:	06/25/2013 14:46	**Analyst:**	SCHUNG

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Acenaphthene	16.9	20	85	49.6	106.4	
4-Chloro-3-methylphenol	37.1	40	93	67.5	103.2	
2-Chlorophenol	31.5	40	79	53.2	98	
1,4-Dichlorobenzene	18.2	20	91	50.1	88.9	*
2,4-Dinitrotoluene	16.8	20	84	59.7	92.5	
N-Nitroso-di-n-propylamine	22	20	110	62.5	95.1	*
4-Nitrophenol	29.6	40	74	42.5	97.9	
Pentachlorophenol	25.1	40	63	68	85.6	*
Phenol	29.6	40	74	55.1	101.6	
Pyrene	16.9	20	85	60.3	105.4	
1,2,4-Trichlorobenzene	17.2	20	86	56.5	91.9	
Surrogate Recovery (%)						
2,4,6-Tribromophenol	30.2	40	76	57	101	
2-Fluorobiphenyl	17.4	20	87	67	102	
2-Fluorophenol	30.8	40	77	45	96	
Nitrobenzene-d5	18.4	20	92	66	103	
Phenol-d6	30.5	40	76	58	101	
Terphenyl-d14	17.5	20	87	62	109	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153378	**Test:**	USEPA 8270	**Batch:**	8270_0337-061813
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
Begin:		**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 15:47	**Station ID:**	W-1s
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-1s Etown C+DD				

					Begin	End
Aliquot:	153378-(WAT)-2	**Dilution:**	1	**Prep Date:**	06/13/2013	06/13/2013
Analyst:	SCHUNG	**Units:**	ug/L	**Analysis Date:**	06/25/2013	06/25/2013

Analytes	CAS Number	Result	RL	Qualifier
Acenaphthene	000083-32-9	<2.1	2.1	
Acenaphthylene	000208-96-8	<2.1	2.1	
Acetophenone	000098-86-2	<2.1	2.1	
2-Acetylaminofluorene	000053-96-3	<2.1	2.1	
Aniline	000062-53-3	<2.1	2.1	
Anthracene	000120-12-7	<2.1	2.1	
Benz[a]anthracene	000056-55-3	<2.1	2.1	
Benzo[a]pyrene	000050-32-8	<2.1	2.1	UJ
Benzo[b]fluoranthene	000205-99-2	<2.1	2.1	UJ
Benzo[g,h,i]perylene	000191-24-2	<2.1	2.1	
Benzo[k]fluoranthene	000207-08-9	<2.1	2.1	
Benzyl alcohol	000100-51-6	<2.1	2.1	
bis(2-Chloroethoxy)methane	000111-91-1	<2.1	2.1	UJ
bis(2-Chloroethyl)ether	000111-44-4	<2.1	2.1	
bis(2-Chloroisopropyl)ether	000108-60-1	<2.1	2.1	
bis(2-Ethylhexyl)phthalate	000117-81-7	2.1	2.1	J
4-Bromophenyl-phenylether	000101-55-3	<2.1	2.1	
Butylbenzylphthalate	000085-68-7	2.3	2.1	J
4-Chloro-3-methylphenol	000059-50-7	<2.1	2.1	
2-Chloronaphthalene	000091-58-7	<2.1	2.1	
2-Chlorophenol	000095-57-8	<2.1	2.1	
4-Chlorophenyl-phenylether	007005-72-3	<2.1	2.1	
Chrysene	000218-01-9	<2.1	2.1	
Di-n-butylphthalate	000084-74-2	<2.1	2.1	
Di-n-octylphthalate	000117-84-0	<2.1	2.1	
Dibenz[a,h]anthracene	000053-70-3	<2.1	2.1	UJ
Dibenzofuran	000132-64-9	<2.1	2.1	
1,3-Dichlorobenzene	000541-73-1	<2.1	2.1	
1,4-Dichlorobenzene	000106-46-7	<2.1	2.1	UJ
1,2-Dichlorobenzene	000095-50-1	<2.1	2.1	
3,3'-Dichlorobenzidine	000091-94-1	<2.1	2.1	
2,6-Dichlorophenol	000087-65-0	<2.1	2.1	
2,4-Dichlorophenol	000120-83-2	<2.1	2.1	
Diethylphthalate	000084-66-2	<2.1	2.1	
p-Dimethylaminoazobenzene	000060-11-7	<2.1	2.1	
7,12-Dimethylbenz[a]anthracene	000057-97-6	<2.1	2.1	
2,4-Dimethylphenol	000105-67-9	<2.1	2.1	
Dimethylphthalate	000131-11-3	<2.1	2.1	
4,6-Dinitro-2-methylphenol	000534-52-1	<2.1	2.1	
1,3-Dinitrobenzene	000099-65-0	<2.1	2.1	
2,4-Dinitrophenol	000051-28-5	<2.1	2.1	UJ

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153378	**Test:**	USEPA 8270	**Batch:**	8270_0337-061813
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
Begin:		**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 15:47	**Station ID:**	W-1s
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-1s Etown C+DD				

					Begin	End
Aliquot:	153378-(WAT)-2	**Dilution:**	1	**Prep Date:**	06/13/2013	06/13/2013
Analyst:	SCHUNG	**Units:**	ug/L	**Analysis Date:**	06/25/2013	06/25/2013

Analytes	CAS Number	Result	RL	Qualifier
2,6-Dinitrotoluene	000606-20-2	<2.1	2.1	
2,4-Dinitrotoluene	000121-14-2	<2.1	2.1	
Dinoseb	000088-85-7	<2.1	2.1	
Diphenylamine	000122-39-4	<2.1	2.1	
Ethyl methanesulfonate	000062-50-0	<2.1	2.1	
Fluoranthene	000206-44-0	<2.1	2.1	
Fluorene	000086-73-7	<2.1	2.1	
Hexachlorobenzene	000118-74-1	<2.1	2.1	
Hexachlorobutadiene	000087-68-3	<2.1	2.1	
Hexachlorocyclopentadiene	000077-47-4	<2.1	2.1	
Hexachloroethane	000067-72-1	<2.1	2.1	
Hexachloropropene	001888-71-7	<2.1	2.1	
Indeno[1,2,3-cd]pyrene	000193-39-5	<2.1	2.1	UJ
Isophorone	000078-59-1	<2.1	2.1	
Methyl methanesulfonate	000066-27-3	<2.1	2.1	
3-Methylcholanthrene	000056-49-5	<2.1	2.1	
2-Methylnaphthalene	000091-57-6	<2.1	2.1	UJ
3&4-Methylphenol	000106-44-5	<2.1	2.1	UJ
2-Methylphenol	000095-48-7	<2.1	2.1	
N-Nitroso-di-n-butylamine	000924-16-3	<2.1	2.1	UJ
N-Nitroso-di-n-propylamine	000621-64-7	<2.1	2.1	
N-Nitrosomorpholine	000059-89-2	<2.1	2.1	
N-Nitrosopiperidine	000100-75-4	<2.1	2.1	
N-Nitrosopyrrolidine	000930-55-2	<2.1	2.1	
Naphthalene	000091-20-3	<2.1	2.1	
1,4-Naphthoquinone	000130-15-4	<2.1	2.1	
2-Nitroaniline	000088-74-4	<2.1	2.1	
4-Nitroaniline	000100-01-6	<2.1	2.1	
Nitrobenzene	000098-95-3	<2.1	2.1	
4-Nitrophenol	000100-02-7	<2.1	2.1	UJ
2-Nitrophenol	000088-75-5	<2.1	2.1	
Pentachlorobenzene	000608-93-5	<2.1	2.1	
Pentachlorophenol	000087-86-5	<2.1	2.1	UJ
Phenacetin	000062-44-2	<2.1	2.1	
Phenanthrene	000085-01-8	<2.1	2.1	
Phenol	000108-95-2	<2.1	2.1	
2-Picoline	000109-06-8	<2.1	2.1	
Pronamide	023950-58-5	<2.1	2.1	UJ
Pyrene	000129-00-0	<2.1	2.1	
Safrole	000094-59-7	<2.1	2.1	
1,2,4,5-Tetrachlorobenzene	000095-94-3	<2.1	2.1	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153378	**Test:**	USEPA 8270	**Batch:**	8270_0337-061813
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 15:47	**Station ID:**	W-1s
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Monitoring Well W-1s Etown C+DD				

					Begin	End
Aliquot:	153378-(WAT)-2	**Dilution:**	1	**Prep Date:**	06/13/2013	06/13/2013
Analyst:	SCHUNG	**Units:**	ug/L	**Analysis Date:**	06/25/2013	06/25/2013

Analytes	CAS Number	Result	RL	Qualifier
2,3,4,6-Tetrachlorophenol	000058-90-2	<2.1	2.1	
1,2,4-Trichlorobenzene	000120-82-1	<2.1	2.1	
2,4,6-Trichlorophenol	000088-06-2	<2.1	2.1	
2,4,5-Trichlorophenol	000095-95-4	<2.1	2.1	

Surrogate	% Recovery	Lower	Upper	Qualifier
2,4,6-Tribromophenol	88	57	101	
2-Fluorobiphenyl	78	67	102	
2-Fluorophenol	65	45	96	
Nitrobenzene-d5	103	66	103	
Phenol-d6	75	58	101	
Terphenyl-d14	89	62	109	

Field Comments

Lab Comments

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153379	**Test:**	USEPA 8270	**Batch:**	8270_0337-061813
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
Begin:		**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 15:47	**Station ID:**	DUP
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Field Duplicate (DUP)				

					Begin	End
Aliquot:	153379-(WAT)-2 \ 1	**Dilution:**	1	**Prep Date:**	06/13/2013	06/13/2013
Analyst:	SCHUNG	**Units:**	ug/L	**Analysis Date:**	06/25/2013	06/25/2013

Analytes	CAS Number	Result	RL	Qualifier
Acenaphthene	000083-32-9	<2.1	2.1	
Acenaphthylene	000208-96-8	<2.1	2.1	
Acetophenone	000098-86-2	<2.1	2.1	
2-Acetylaminofluorene	000053-96-3	<2.1	2.1	
Aniline	000062-53-3	<2.1	2.1	
Anthracene	000120-12-7	<2.1	2.1	
Benz[a]anthracene	000056-55-3	<2.1	2.1	
Benzo[a]pyrene	000050-32-8	<2.1	2.1	UJ
Benzo[b]fluoranthene	000205-99-2	<2.1	2.1	UJ
Benzo[g,h,i]perylene	000191-24-2	<2.1	2.1	
Benzo[k]fluoranthene	000207-08-9	<2.1	2.1	
Benzyl alcohol	000100-51-6	<2.1	2.1	
bis(2-Chloroethoxy)methane	000111-91-1	<2.1	2.1	UJ
bis(2-Chloroethyl)ether	000111-44-4	<2.1	2.1	
bis(2-Chloroisopropyl)ether	000108-60-1	<2.1	2.1	
bis(2-Ethylhexyl)phthalate	000117-81-7	2.1	2.1	J
4-Bromophenyl-phenylether	000101-55-3	<2.1	2.1	
Butylbenzylphthalate	000085-68-7	<2.1	2.1	
4-Chloro-3-methylphenol	000059-50-7	<2.1	2.1	
2-Chloronaphthalene	000091-58-7	<2.1	2.1	
2-Chlorophenol	000095-57-8	<2.1	2.1	
4-Chlorophenyl-phenylether	007005-72-3	<2.1	2.1	
Chrysene	000218-01-9	<2.1	2.1	
Di-n-butylphthalate	000084-74-2	<2.1	2.1	
Di-n-octylphthalate	000117-84-0	<2.1	2.1	
Dibenz[a,h]anthracene	000053-70-3	<2.1	2.1	UJ
Dibenzofuran	000132-64-9	<2.1	2.1	
1,3-Dichlorobenzene	000541-73-1	<2.1	2.1	
1,4-Dichlorobenzene	000106-46-7	<2.1	2.1	UJ
1,2-Dichlorobenzene	000095-50-1	<2.1	2.1	
3,3'-Dichlorobenzidine	000091-94-1	<2.1	2.1	
2,6-Dichlorophenol	000087-65-0	<2.1	2.1	
2,4-Dichlorophenol	000120-83-2	<2.1	2.1	
Diethylphthalate	000084-66-2	<2.1	2.1	
p-Dimethylaminoazobenzene	000060-11-7	<2.1	2.1	
7,12-Dimethylbenz[a]anthracene	000057-97-6	<2.1	2.1	
2,4-Dimethylphenol	000105-67-9	<2.1	2.1	
Dimethylphthalate	000131-11-3	<2.1	2.1	
4,6-Dinitro-2-methylphenol	000534-52-1	<2.1	2.1	
1,3-Dinitrobenzene	000099-65-0	<2.1	2.1	
2,4-Dinitrophenol	000051-28-5	<2.1	2.1	UJ

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153379	**Test:**	USEPA 8270	**Batch:**	8270_0337-061813
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
Begin:		**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 15:47	**Station ID:**	DUP
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Field Duplicate (DUP)				

					Begin	End
Aliquot:	153379-(WAT)-2 \ 1	**Dilution:**	1	**Prep Date:**	06/13/2013	06/13/2013
Analyst:	SCHUNG	**Units:**	ug/L	**Analysis Date:**	06/25/2013	06/25/2013

Analytes	CAS Number	Result	RL	Qualifier
2,6-Dinitrotoluene	000606-20-2	<2.1	2.1	
2,4-Dinitrotoluene	000121-14-2	<2.1	2.1	
Dinoseb	000088-85-7	<2.1	2.1	
Diphenylamine	000122-39-4	<2.1	2.1	
Ethyl methanesulfonate	000062-50-0	<2.1	2.1	
Fluoranthene	000206-44-0	<2.1	2.1	
Fluorene	000086-73-7	<2.1	2.1	
Hexachlorobenzene	000118-74-1	<2.1	2.1	
Hexachlorobutadiene	000087-68-3	<2.1	2.1	
Hexachlorocyclopentadiene	000077-47-4	<2.1	2.1	
Hexachloroethane	000067-72-1	<2.1	2.1	
Hexachloropropene	001888-71-7	<2.1	2.1	
Indeno[1,2,3-cd]pyrene	000193-39-5	<2.1	2.1	UJ
Isophorone	000078-59-1	<2.1	2.1	
Methyl methanesulfonate	000066-27-3	<2.1	2.1	
3-Methylcholanthrene	000056-49-5	<2.1	2.1	
2-Methylnaphthalene	000091-57-6	<2.1	2.1	UJ
3&4-Methylphenol	000106-44-5	<2.1	2.1	UJ
2-Methylphenol	000095-48-7	<2.1	2.1	
N-Nitroso-di-n-butylamine	000924-16-3	<2.1	2.1	UJ
N-Nitroso-di-n-propylamine	000621-64-7	<2.1	2.1	
N-Nitrosomorpholine	000059-89-2	<2.1	2.1	
N-Nitrosopiperidine	000100-75-4	<2.1	2.1	
N-Nitrosopyrrolidine	000930-55-2	<2.1	2.1	
Naphthalene	000091-20-3	<2.1	2.1	
1,4-Naphthoquinone	000130-15-4	<2.1	2.1	
2-Nitroaniline	000088-74-4	<2.1	2.1	
4-Nitroaniline	000100-01-6	<2.1	2.1	
Nitrobenzene	000098-95-3	<2.1	2.1	
4-Nitrophenol	000100-02-7	<2.1	2.1	UJ
2-Nitrophenol	000088-75-5	<2.1	2.1	
Pentachlorobenzene	000608-93-5	<2.1	2.1	
Pentachlorophenol	000087-86-5	<2.1	2.1	UJ
Phenacetin	000062-44-2	<2.1	2.1	
Phenanthrene	000085-01-8	<2.1	2.1	
Phenol	000108-95-2	<2.1	2.1	
2-Picoline	000109-06-8	<2.1	2.1	
Pronamide	023950-58-5	<2.1	2.1	UJ
Pyrene	000129-00-0	<2.1	2.1	
Safrole	000094-59-7	<2.1	2.1	
1,2,4,5-Tetrachlorobenzene	000095-94-3	<2.1	2.1	

OhioEPA Division of Environmental Services
Sample Analysis Data Report

Sample:	153379	**Test:**	USEPA 8270	**Batch:**	8270_0337-061813
Date Received:	06/11/2013 16:27	**Matrix**	GW	**Collected by:**	OTHERS
	Begin:	**End:**		**Sample Type:**	LITIGATION
Date Collected:			06/10/2013 15:47	**Station ID:**	DUP
Program:	CO-DMWM			**Customer ID:**	
Client:	DMWM			**External ID:**	
Location:	Field Duplicate (DUP)				

					Begin	End
Aliquot:	153379-(WAT)-2 \ 1	**Dilution:**	1	**Prep Date:**	06/13/2013	06/13/2013
Analyst:	SCHUNG	**Units:**	ug/L	**Analysis Date:**	06/25/2013	06/25/2013

Analytes	CAS Number	Result	RL	Qualifier
2,3,4,6-Tetrachlorophenol	000058-90-2	<2.1	2.1	
1,2,4-Trichlorobenzene	000120-82-1	<2.1	2.1	
2,4,6-Trichlorophenol	000088-06-2	<2.1	2.1	
2,4,5-Trichlorophenol	000095-95-4	<2.1	2.1	

Surrogate	% Recovery	Lower	Upper	Qualifier
2,4,6-Tribromophenol	89	57	101	
2-Fluorobiphenyl	77	67	102	
2-Fluorophenol	53	45	96	
Nitrobenzene-d5	81	66	103	
Phenol-d6	75	58	101	
Terphenyl-d14	93	62	109	

Field Comments

Lab Comments

QC / Sample Comments

Qualifier: * Outside acceptance limits

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153365				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/10/2013 3:47 PM	**Station ID**	MW-1s
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Monitoring Well W-1s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	1660	10	mg/L	06/12/2013	
pH	pH	P403	6.85		s.u.	06/11/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	06/14/2013	
ICP-SW846_(WAT)	Barium	P1007	326	15	ug/L	06/14/2013	
ICP-SW846_(WAT)	Boron	P1022	6530	2000	ug/L	06/17/2013	
ICP-SW846_(WAT)	Calcium	P916	251	4	mg/L	06/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	1230	10	mg/L	06/14/2013	
ICP-SW846_(WAT)	Iron	P1045	12200	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	146	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	912	10	ug/L	06/14/2013	
ICP-SW846_(WAT)	Potassium	P937	43	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Sodium	P929	115	5	mg/L	06/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	3680	30	ug/L	06/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	06/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Arsenic	P1002	30.2	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Chromium	P1034	5.6	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cobalt	P1037	10.1	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Copper	P1042	2.4	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Nickel	P1067	34.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Selenium	P1147	3.5	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	06/19/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	06/14/2013	
Alkalinity	Alkalinity	P410	1110	10	mg/L	06/14/2013	
Ammonia	Ammonia	P610	22.5	1.3	mg/L	06/20/2013	
COD	COD	P340	140	20	mg/L	06/26/2013	
Carb_Bicarb	Bicarbonate	P0440	1110	10	mg/L	06/14/2013	
Carb_Bicarb	Carbonate	P445	<10.0	10	mg/L	06/14/2013	
Chloride	Chloride	P940	62.6	5	mg/L	06/12/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	06/14/2013	UJ
Nitrate	Nitrate+nitrite	P630	0.17	0.1	mg/L	06/20/2013	
Sulfate	Sulfate	P945	257	50	mg/L	06/12/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153365				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/10/2013 3:47 PM	**Station ID**	MW-1s
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Monitoring Well W-1s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.395	0.01	mg/L	06/17/2013	

Field Comments

Lab Comments

QC / Sample Comments

CN: Sample pH was <12 before distillation, results are estimated.

Nitrate verified.

Approved By VDESHMUKH **On** 07/02/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153366				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/11/2013 10:21 AM	**Station ID**	MW-2s
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Monitoring Well W-2s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	526	10	mg/L	06/12/2013	
pH	pH	P403	7.05		s.u.	06/11/2013	
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	06/14/2013	
ICP-SW846_(WAT)	Barium	P1007	117	15	ug/L	06/14/2013	
ICP-SW846_(WAT)	Boron	P1022	200	200	ug/L	06/17/2013	
ICP-SW846_(WAT)	Calcium	P916	123	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	394	10	mg/L	06/14/2013	
ICP-SW846_(WAT)	Iron	P1045	224	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	21	1	mg/L	06/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	1580	10	ug/L	06/14/2013	
ICP-SW846_(WAT)	Potassium	P937	5	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Sodium	P929	23	5	mg/L	06/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	504	30	ug/L	06/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	06/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Arsenic	P1002	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cobalt	P1037	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Copper	P1042	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Nickel	P1067	5.1	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	06/19/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	06/14/2013	
Alkalinity	Alkalinity	P410	358	5	mg/L	06/14/2013	
Ammonia	Ammonia	P610	0.137	0.05	mg/L	06/18/2013	
COD	COD	P340	<20	20	mg/L	06/18/2013	
Carb_Bicarb	Bicarbonate	P0440	358	5	mg/L	06/14/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	06/14/2013	
Chloride	Chloride	P940	48.7	5	mg/L	06/12/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	06/14/2013	
Nitrate	Nitrate+nitrite	P630	<0.10	0.1	mg/L	06/18/2013	
Sulfate	Sulfate	P945	43.1	10	mg/L	06/12/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153366				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/11/2013 10:21 AM	**Station ID**	MW-2s
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Monitoring Well W-2s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.034	0.01	mg/L	06/17/2013	

Field Comments

Lab Comments

QC / Sample Comments

Approved By VDESHMUKH **On** 07/02/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153367				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/11/2013 9:05 AM	**Station ID**	MW-5s
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Monitoring Well W-5s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	748	10	mg/L	06/12/2013	
pH	pH	P403	7.01		s.u.	06/11/2013	
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	06/14/2013	
ICP-SW846_(WAT)	Barium	P1007	300	15	ug/L	06/14/2013	
ICP-SW846_(WAT)	Boron	P1022	1300	200	ug/L	06/17/2013	
ICP-SW846_(WAT)	Calcium	P916	153	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	567	10	mg/L	06/14/2013	
ICP-SW846_(WAT)	Iron	P1045	863	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	45	1	mg/L	06/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	1330	10	ug/L	06/14/2013	
ICP-SW846_(WAT)	Potassium	P937	10	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Sodium	P929	42	5	mg/L	06/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	1180	30	ug/L	06/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	06/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Arsenic	P1002	4.2	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cobalt	P1037	2.9	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Copper	P1042	2.2	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Nickel	P1067	9.6	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	06/19/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	06/14/2013	
Alkalinity	Alkalinity	P410	586	5	mg/L	06/14/2013	
Ammonia	Ammonia	P610	1.61	0.05	mg/L	06/18/2013	
COD	COD	P340	22	20	mg/L	06/18/2013	
Carb_Bicarb	Bicarbonate	P0440	586	5	mg/L	06/14/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	06/14/2013	
Chloride	Chloride	P940	40.5	5	mg/L	06/12/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	06/14/2013	UJ
Nitrate	Nitrate+nitrite	P630	0.14	0.1	mg/L	06/18/2013	
Sulfate	Sulfate	P945	61.1	10	mg/L	06/12/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153367				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/11/2013 9:05 AM	**Station ID**	MW-5s
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Monitoring Well W-5s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.054	0.01	mg/L	06/17/2013	

Field Comments

Lab Comments

QC / Sample Comments CN: Sample pH was <12 before distillation, results are estimated.

Approved By VDESHMUKH **On** 07/02/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153368				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected		06/11/2013 7:59 AM		**Station ID**	W-6
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Monitoring Well W-6s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	958	10	mg/L	06/12/2013	
pH	pH	P403	6.88		s.u.	06/11/2013	
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	06/14/2013	
ICP-SW846_(WAT)	Barium	P1007	503	15	ug/L	06/14/2013	
ICP-SW846_(WAT)	Boron	P1022	299	200	ug/L	06/17/2013	
ICP-SW846_(WAT)	Calcium	P916	182	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	669	10	mg/L	06/14/2013	
ICP-SW846_(WAT)	Iron	P1045	530	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	52	1	mg/L	06/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	1880	10	ug/L	06/14/2013	
ICP-SW846_(WAT)	Potassium	P937	11	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Sodium	P929	88	5	mg/L	06/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	1010	30	ug/L	06/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	06/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Arsenic	P1002	2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cobalt	P1037	5.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Copper	P1042	4.2	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Nickel	P1067	10.9	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	06/19/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	06/14/2013	
Alkalinity	Alkalinity	P410	688	5	mg/L	06/14/2013	
Ammonia	Ammonia	P610	6.84	0.25	mg/L	06/18/2013	
COD	COD	P340	<20	20	mg/L	06/26/2013	
Carb_Bicarb	Bicarbonate	P0440	688	5	mg/L	06/14/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	06/14/2013	
Chloride	Chloride	P940	142	5	mg/L	06/12/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	06/14/2013	UJ
Nitrate	Nitrate+nitrite	P630	<0.10	0.1	mg/L	06/18/2013	
Sulfate	Sulfate	P945	29.2	10	mg/L	06/12/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153368				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/11/2013 7:59 AM	**Station ID**	W-6
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Monitoring Well W-6s				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.026	0.01	mg/L	06/17/2013	

Field Comments

Lab Comments

QC / Sample Comments CN: Sample pH was <12 before distillation, results are estimated.

Approved By VDESHMUKH **On** 07/02/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153369				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/10/2013 1:39 PM	**Station ID**	Etown Water Supply W
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C+DD Water Supply Well				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	788	10	mg/L	06/12/2013	
pH	pH	P403	7.02		s.u.	06/11/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	06/14/2013	
ICP-SW846_(WAT)	Barium	P1007	84	15	ug/L	06/14/2013	
ICP-SW846_(WAT)	Boron	P1022	344	200	ug/L	06/17/2013	
ICP-SW846_(WAT)	Calcium	P916	169	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	611	10	mg/L	06/14/2013	
ICP-SW846_(WAT)	Iron	P1045	925	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	46	1	mg/L	06/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	83	10	ug/L	06/14/2013	
ICP-SW846_(WAT)	Potassium	P937	6	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Sodium	P929	38	5	mg/L	06/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	620	30	ug/L	06/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	06/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Arsenic	P1002	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cobalt	P1037	2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Copper	P1042	21.5	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Lead	P1051	2.2	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Nickel	P1067	10.8	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	06/19/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	06/14/2013	
Alkalinity	Alkalinity	P410	562	5	mg/L	06/14/2013	
Ammonia	Ammonia	P610	0.420	0.05	mg/L	06/18/2013	
COD	COD	P340	<20	20	mg/L	06/26/2013	
Carb_Bicarb	Bicarbonate	P0440	562	5	mg/L	06/14/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	06/14/2013	
Chloride	Chloride	P940	52.1	5	mg/L	06/12/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	06/14/2013	
Nitrate	Nitrate+nitrite	P630	<0.10	0.1	mg/L	06/18/2013	
Sulfate	Sulfate	P945	95.5	10	mg/L	06/12/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153369				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/10/2013 1:39 PM	**Station ID**	Etown Water Supply W
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Etown C+DD Water Supply Well				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.121	0.01	mg/L	06/17/2013	

Field Comments

Lab Comments

QC / Sample Comments

Approved By VDESHMUKH **On** 07/02/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153370				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/10/2013 3:47 PM	**Station ID**	DUP
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Field Duplicate (DUP) Sample				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	1680	10	mg/L	06/12/2013	
pH	pH	P403	6.87		s.u.	06/11/2013	PS
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	06/14/2013	
ICP-SW846_(WAT)	Barium	P1007	320	15	ug/L	06/14/2013	
ICP-SW846_(WAT)	Boron	P1022	6150	2000	ug/L	06/17/2013	
ICP-SW846_(WAT)	Calcium	P916	244	4	mg/L	06/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	1190	10	mg/L	06/14/2013	
ICP-SW846_(WAT)	Iron	P1045	11900	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	142	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	895	10	ug/L	06/14/2013	
ICP-SW846_(WAT)	Potassium	P937	42	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Sodium	P929	113	5	mg/L	06/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	3620	30	ug/L	06/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	06/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Arsenic	P1002	30.3	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Chromium	P1034	5.4	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cobalt	P1037	10.1	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Copper	P1042	2.4	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Nickel	P1067	33.9	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Selenium	P1147	3.5	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	06/19/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	06/14/2013	
Alkalinity	Alkalinity	P410	1200	10	mg/L	06/14/2013	
Ammonia	Ammonia	P610	22.9	1.3	mg/L	06/20/2013	
COD	COD	P340	149	20	mg/L	06/26/2013	
Carb_Bicarb	Bicarbonate	P0440	1200	10	mg/L	06/14/2013	
Carb_Bicarb	Carbonate	P445	<10.0	10	mg/L	06/14/2013	
Chloride	Chloride	P940	62.8	5	mg/L	06/12/2013	
Cyanide_Free	Cyanide, Free	P718	<5	5	ug/L	06/14/2013	UJ
Nitrate	Nitrate+nitrite	P630	<0.10	0.1	mg/L	06/20/2013	
Sulfate	Sulfate	P945	253	50	mg/L	06/12/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153370				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/10/2013 3:47 PM	**Station ID**	DUP
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Field Duplicate (DUP) Sample				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	0.375	0.01	mg/L	06/17/2013	

Field Comments

Lab Comments

QC / Sample Comments

CN: Sample pH was <12 before distillation, results are estimated.

Nitrate verified.

Approved By VDESHMUKH **On** 07/02/2013

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153371				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected		06/11/2013 8:20 AM		**Station ID**	Field Blank (FB)
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Field Blank				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
Solids_Diss	Total Dissolved Solids	P70300	<10	10	mg/L	06/12/2013	
pH	pH	P403	6.96		s.u.	06/11/2013	
ICP-SW846_(WAT)	Aluminum	P1105	<200	200	ug/L	06/14/2013	
ICP-SW846_(WAT)	Barium	P1007	<15	15	ug/L	06/14/2013	
ICP-SW846_(WAT)	Boron	P1022	<200	200	ug/L	06/17/2013	
ICP-SW846_(WAT)	Calcium	P916	<2	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Hardness, Total	P900	<10	10	mg/L	06/14/2013	
ICP-SW846_(WAT)	Iron	P1045	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Magnesium	P927	<1	1	mg/L	06/14/2013	
ICP-SW846_(WAT)	Manganese	P1055	<10	10	ug/L	06/14/2013	
ICP-SW846_(WAT)	Potassium	P937	<2	2	mg/L	06/14/2013	
ICP-SW846_(WAT)	Sodium	P929	<5	5	mg/L	06/14/2013	
ICP-SW846_(WAT)	Strontium	P1082	<30	30	ug/L	06/14/2013	
ICP-SW846_(WAT)	Titanium	P01152	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Vanadium	P1087	<50	50	ug/L	06/14/2013	
ICP-SW846_(WAT)	Zinc	P1092	<10	10	ug/L	06/14/2013	
ICPMS846_(WAT)	Antimony	P1097	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Arsenic	P1002	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Beryllium	P1012	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cadmium	P1027	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Chromium	P1034	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Cobalt	P1037	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Copper	P1042	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Lead	P1051	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Nickel	P1067	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Selenium	P1147	<2.0	2	ug/L	06/19/2013	
ICPMS846_(WAT)	Silver	P1077	<0.20	0.2	ug/L	06/19/2013	
ICPMS846_(WAT)	Thallium	P1059	<2.0	2	ug/L	06/19/2013	
Mercury-SW846_(WAT)	Mercury	P71900	<0.20	0.2	ug/L	06/14/2013	
Alkalinity	Alkalinity	P410	<5.0	5	mg/L	06/14/2013	
Ammonia	Ammonia	P610	<0.050	0.05	mg/L	06/18/2013	
COD	COD	P340	<20	20	mg/L	06/18/2013	
Carb_Bicarb	Bicarbonate	P0440	<5.0	5	mg/L	06/14/2013	
Carb_Bicarb	Carbonate	P445	<5.0	5	mg/L	06/14/2013	
Chloride	Chloride	P940	<5.0	5	mg/L	06/12/2013	
Nitrate	Nitrate+nitrite	P630	<0.10	0.1	mg/L	06/18/2013	
Sulfate	Sulfate	P945	<5.0	5	mg/L	06/12/2013	

OhioEPA Division of Environmental Services

Laboratory Inorganic Analysis Data Report

Sample	153371				
Date Received	06/11/2013 4:27 PM	**Matrix**	GW	**Collected by**	OTHERS
	Begin	**End**		**Sample Type**	LITIGATION
Date Collected			06/11/2013 8:20 AM	**Station ID**	Field Blank (FB)
Program	CO-DMWM			**Customer ID**	
Client	DMWM			**External ID**	
OEPA Division	DMWM				
Location	Field Blank				

Analysis	Parameter	Storet	Result	RL	Units	Date	Qualifier
TP	Total Phosphorus	P665	<0.010	0.01	mg/L	06/17/2013	

Field Comments

Lab Comments

QC / Sample Comments

Approved By VDESHMUKH **On** 07/02/2013

OhioEPA Division of Environmental Services
Batch Report

Batch: ALK_1006-061413

Approved By: VDESHMUKH **On** 06/19/2013 13:15 **Status:** R **Test:** USEPA 310.1
Created By: RHOLLAND **ELIMS Analysis:** Alkalinity **Surrogate:**
Analyst: RHOLLAND **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	257176-BL-1		257176-BL		
2	BL	BLANK_CHECK	257177-BL-1		257177-BL		
3	QCS	QCS_PR	257178-QCS-1	ALK-QCS	257178-QCS		
42	153365	SAMPLE	153365-(WAT)-3		153365-(WAT)	FD	Monitoring Well
43	153366	SAMPLE	153366-(WAT)-3		153366-(WAT)		Monitoring Well
44	153367	SAMPLE	153367-(WAT)-3		153367-(WAT)		Monitoring Well
45	153368	SAMPLE	153368-(WAT)-3		153368-(WAT)		Monitoring Well
46	153369	SAMPLE	153369-(WAT)-3		153369-(WAT)		Etown C+DD Wa
47	153371	SAMPLE	153371-(WAT)-3 \ 1		153371-(WAT)	FB	Field Blank
48	153370	SAMPLE	153370-(WAT)-3 \ 1		153370-(WAT)	FD	Field Duplicate (
49	DUP	RPD	DUP153370-(WAT)-3 \ 2		153370-(WAT)	FD	Field Duplicate (

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	257176-BL-1	**Test:**	USEPA 310.1
Batch:	ALK_1006-061413	**Units:**	mg/L
Analysis Date:	06/14/2013 07:18	**Analyst:**	RHOLLAND

Analyte	Result	RL	Qualifier
Alkalinity	5.8	10	

Blank:	257177-BL-1	**Test:**	USEPA 310.1
Batch:	ALK_1006-061413	**Units:**	mg/L
Analysis Date:	06/14/2013 07:21	**Analyst:**	RHOLLAND

Analyte	Result	RL	Qualifier
Alkalinity	2.7	5	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	153370-(WAT)-3	**Analysis Date:**	06/14/2013 13:23	**Test:**	USEPA 310.1
Duplicate 2:	DUP153370-(WAT)-3 \ 2	**Analysis Date:**	06/14/2013 13:37	**Units:**	mg/L
Batch:	ALK_1006-061413	**Analyst:**	RHOLLAND	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Alkalinity		1200	1180	2	0 10	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	257178-QCS-1	**Test:**	USEPA 310.1
Batch:	ALK_1006-061413	**Units:**	mg/L
Analysis Date:	06/14/2013 07:24	**Analyst:**	RHOLLAND

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Alkalinity	114	114	100	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: AMMONIA_0617-061813

Approved By: VDESHMUKH **On** 06/19/2013 14:04 **Status:** R **Test:** USEPA 350.1
Created By: RSHESKY **ELIMS Analysis:** Ammonia **Surrogate:**
Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QCS	QCS_PR	258281-QCS-1	NH3-QCS	258281-QCS		
2	BSPK	BLKSPK_PR	BSPK258249-BL-1 \ 2	NH3-SPK	258249-BL		
3	IPC	IPC_PR	258266-IPC-1	NH3-IPC	258266-IPC		
4	BL	BLANK_CHECK	258249-BL-1 \ 1		258249-BL		
5	BL	BLANK_CHECK	258250-BL-1		258250-BL		
6	IPC	IPC_PR	258267-IPC-1	NH3-IPC	258267-IPC		
53	153366	SAMPLE	153366-(WAT)-1		153366-(WAT)		Monitoring Well
54	153367	SAMPLE	153367-(WAT)-1		153367-(WAT)		Monitoring Well
55	153369	SAMPLE	153369-(WAT)-1		153369-(WAT)		Etown C+DD Wa
58	BL	BLANK_CHECK	258254-BL-1		258254-BL		
59	IPC	IPC_PR	258271-IPC-1	NH3-IPC	258271-IPC		
60	153371	SAMPLE	153371-(WAT)-1		153371-(WAT)	FB	Field Blank
72	BL	BLANK_CHECK	258255-BL-1		258255-BL		
73	IPC	IPC_PR	258272-IPC-1	NH3-IPC	258272-IPC		
100	BL	BLANK_CHECK	258257-BL-1		258257-BL		
101	IPC	IPC_PR	258274-IPC-1	NH3-IPC	258274-IPC		
108	153368	SAMPLE	153368-(WAT)-1		153368-(WAT)		Monitoring Well
111	BL	BLANK_CHECK	258258-BL-1		258258-BL		
112	IPC	IPC_PR	258275-IPC-1	NH3-IPC	258275-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	258249-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 09:13	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.014	0.05	

Blank:	258250-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 09:54	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.014	0.05	

Blank:	258254-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 13:03	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.022	0.05	

Blank:	258255-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 13:13	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.015	0.05	

Blank:	258257-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 14:16	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.017	0.05	

Blank:	258258-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 14:39	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.016	0.05	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	258266-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 09:13	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	3.1	3	103	90	110	

IPC:	258267-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 09:54	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.89	3	96	90	110	

IPC:	258271-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 13:03	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.99	3	100	90	110	

IPC:	258272-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 13:13	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.96	3	99	90	110	

IPC:	258274-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 14:16	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.92	3	97	90	110	

IPC:	258275-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 14:39	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.97	3	99	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	258281-QCS-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0617-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 09:13	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	0.911	0.89	102	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	258249-BL-1	**Analysis Date:**	06/18/2013 09:13	**Test:**	USEPA 350.1
LFB:	BSPK258249-BL-1	**Analysis Date:**	06/18/2013 09:13	**Units:**	mg/L
Batch:	AMMONIA_0617-061813	**Analyst:**	RSHESKY	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Ammonia		<0.050	2.6	2.5	103	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: AMMONIA_0618-062113

Approved By: VDESHMUKH **On** 06/24/2013 12:34 **Status:** R **Test:** USEPA 350.1

Created By: RSHESKY **ELIMS Analysis:** Ammonia **Surrogate:**

Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QCS	QCS_PR	259216-QCS-1	NH3-QCS	259216-QCS		
2	IPC	IPC_PR	259217-IPC-1	NH3-IPC	259217-IPC		
3	BL	BLANK_CHECK	259205-BL-1 \ 1		259205-BL		
4	BL	BLANK_CHECK	259206-BL-1		259206-BL		
5	IPC	IPC_PR	259218-IPC-1	NH3-IPC	259218-IPC		
6	BL	BLANK_CHECK	259207-BL-1		259207-BL		
7	IPC	IPC_PR	259219-IPC-1	NH3-IPC	259219-IPC		
94	BL	BLANK_CHECK	259214-BL-1		259214-BL		
95	IPC	IPC_PR	259226-IPC-1	NH3-IPC	259226-IPC		
103	153365	SAMPLE	153365-(WAT)-1		153365-(WAT)	FD	Monitoring Well
104	153370	SAMPLE	153370-(WAT)-1		153370-(WAT)	FD	Field Duplicate (
105	BL	BLANK_CHECK	259215-BL-1		259215-BL		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	259205-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0618-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:32	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.03	0.05	

Blank:	259206-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0618-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:51	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.006	0.05	

Blank:	259207-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0618-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:57	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.005	0.05	

Blank:	259214-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0618-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 16:21	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.008	0.05	

Blank:	259215-BL-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0618-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 17:04	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Ammonia	0.007	0.05	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	259217-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0618-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:32	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.93	3	98	90	110	

IPC:	259218-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0618-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:51	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.98	3	99	90	110	

IPC:	259219-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0618-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:57	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.96	3	99	90	110	

IPC:	259226-IPC-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0618-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 16:21	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	2.99	3	100	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	259216-QCS-1	**Test:**	USEPA 350.1
Batch:	AMMONIA_0618-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:32	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Ammonia	0.953	0.89	107	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: CARB_BICARB_0202-061713

Approved By: VDESHMUKH **On** 07/02/2013 14:42 **Status:** R **Test:** SM 2320B

Created By: RHOLLAND **ELIMS Analysis:** Carb_Bicarb **Surrogate:**

Analyst: RHOLLAND **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
7	153365	SAMPLE	153365-(WAT)-3		153365-(WAT)	FD	Monitoring Well
8	153366	SAMPLE	153366-(WAT)-3		153366-(WAT)		Monitoring Well
9	153367	SAMPLE	153367-(WAT)-3		153367-(WAT)		Monitoring Well
10	153368	SAMPLE	153368-(WAT)-3		153368-(WAT)		Monitoring Well
11	153369	SAMPLE	153369-(WAT)-3		153369-(WAT)		Etown C+DD Wa
12	153370	SAMPLE	153370-(WAT)-3 \ 1		153370-(WAT)	FD	Field Duplicate (
13	DUP	RPD	DUP153370-(WAT)-3 \ 2		153370-(WAT)	FD	Field Duplicate (
14	153371	SAMPLE	153371-(WAT)-3		153371-(WAT)	FB	Field Blank

Comments:

OhioEPA Division of Environmental Services
Batch Report

Batch: CL_1002-061213

Approved By: VDESHMUKH **On** 06/13/2013 14:40 **Status:** R **Test:** USEPA 325.1
Created By: CRHINOCK **ELIMS Analysis:** Chloride **Surrogate:**
Analyst: CRHINOCK **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	256708-BL-1 \ 1		256708-BL		
2	IPC	IPC_PR	256725-IPC-1	CL-SPK	256725-IPC		
3	BSPK	BLKSPK_PR	BSPK256708-BL-1 \ 2	CL-SPK	256708-BL		
4	QCS	QCS_PR	256740-QCS-1	CL-QCS	256740-QCS		
5	BL	BLANK_CHECK	256709-BL-1		256709-BL		
6	IPC	IPC_PR	256726-IPC-1	CL-SPK	256726-IPC		
10	153365	SAMPLE	153365-(WAT)-3		153365-(WAT)	FD	Monitoring Well
11	153366	SAMPLE	153366-(WAT)-3		153366-(WAT)		Monitoring Well
12	153367	SAMPLE	153367-(WAT)-3		153367-(WAT)		Monitoring Well
13	153368	SAMPLE	153368-(WAT)-3		153368-(WAT)		Monitoring Well
14	153369	SAMPLE	153369-(WAT)-3		153369-(WAT)		Etown C+DD Wa
16	153370	SAMPLE	153370-(WAT)-3		153370-(WAT)	FD	Field Duplicate (
17	BL	BLANK_CHECK	256710-BL-1		256710-BL		
18	IPC	IPC_PR	256727-IPC-1	CL-SPK	256727-IPC		
19	153371	SAMPLE	153371-(WAT)-3		153371-(WAT)	FB	Field Blank
21	BL	BLANK_CHECK	256711-BL-1		256711-BL		
22	IPC	IPC_PR	256728-IPC-1	CL-SPK	256728-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	256708-BL-1	**Test:**	USEPA 325.1
Batch:	CL_1002-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:44	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Chloride	-1.3	5	

Blank:	256709-BL-1	**Test:**	USEPA 325.1
Batch:	CL_1002-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:54	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Chloride	-1.6	5	

Blank:	256710-BL-1	**Test:**	USEPA 325.1
Batch:	CL_1002-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:59	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Chloride	-1.3	5	

Blank:	256711-BL-1	**Test:**	USEPA 325.1
Batch:	CL_1002-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 08:00	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Chloride	-1.7	5	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	256725-IPC-1	**Test:**	USEPA 325.1
Batch:	CL_1002-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:44	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	98.7	100	99	90	110	

IPC:	256726-IPC-1	**Test:**	USEPA 325.1
Batch:	CL_1002-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:54	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	98.7	100	99	90	110	

IPC:	256727-IPC-1	**Test:**	USEPA 325.1
Batch:	CL_1002-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:59	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	99.1	100	99	90	110	

IPC:	256728-IPC-1	**Test:**	USEPA 325.1
Batch:	CL_1002-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 08:00	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	99.4	100	99	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	256740-QCS-1	**Test:**	USEPA 325.1
Batch:	CL_1002-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:44	**Analyst:**	CRHINOCK

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Chloride	101	99.5	102	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	256708-BL-1	**Analysis Date:**	06/12/2013 07:44	**Test:**	USEPA 325.1
LFB:	BSPK256708-BL-1	**Analysis Date:**	06/12/2013 07:44	**Units:**	mg/L
Batch:	CL_1002-061213	**Analyst:**	CRHINOCK	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Chloride		<5.0	99.6	100	101	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: CN_0505-061413

Approved By: VDESHMUKH **On** 06/19/2013 13:36 **Status:** R **Test:** SM 4500-CNI
Created By: RSHESKY **ELIMS Analysis:** Cyanide_Free **Surrogate:**
Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
2	IPC	IPC_PR	257755-IPC-1	CN-IPC	257755-IPC		
3	BLC	BLANK_CAL_CHK	257752-BLC-1		257752-BLC		
4	IPC	IPC_PR	257756-IPC-1	CN-IPC	257756-IPC		
5	BL	BLANK_CHECK	257759-BL-1 \ 1		257759-BL		
6	BSPK	BLKSPK_PR	BSPK257759-BL-1 \ 2	CN-SPK	257759-BL		
7	QCS	QCS_PR	257760-QCS-1	CN-QCS	257760-QCS		
12	153149	SAMPLE	153149-(WAT)-3		153149-(WAT)	FD	MW-5
13	153150	SAMPLE	153150-(WAT)-3		153150-(WAT)		MW-6
14	153151	SAMPLE	153151-(WAT)-3		153151-(WAT)	FD	Field Duplicate (
15	BLC	BLANK_CAL_CHK	257753-BLC-1		257753-BLC		
16	IPC	IPC_PR	257757-IPC-1	CN-IPC	257757-IPC		
17	153365	SAMPLE	153365-(WAT)-4		153365-(WAT)	FD	Monitoring Well
18	153366	SAMPLE	153366-(WAT)-4		153366-(WAT)		Monitoring Well
19	153367	SAMPLE	153367-(WAT)-4		153367-(WAT)		Monitoring Well
20	153368	SAMPLE	153368-(WAT)-4		153368-(WAT)		Monitoring Well
21	153369	SAMPLE	153369-(WAT)-4 \ 1		153369-(WAT)		Etown C+DD Wa
22	DUP	RPD	DUP153369-(WAT)-4 \ 2		153369-(WAT)		Etown C+DD Wa
23	MS	MATRIX_SPIKE_PR	MS153369-(WAT)-4 \ 3	CN-SPK	153369-(WAT)		Etown C+DD Wa
24	153370	SAMPLE	153370-(WAT)-4		153370-(WAT)	FD	Field Duplicate (
25	BLC	BLANK_CAL_CHK	257754-BLC-1		257754-BLC		
26	IPC	IPC_PR	257758-IPC-1	CN-IPC	257758-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	257759-BL-1	**Test:**	SM 4500-CNI
Batch:	CN_0505-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:35	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Cyanide, Free	0	5	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	153369-(WAT)-4	**Analysis Date:**	06/14/2013 14:43	**Test:**	SM 4500-CNI
Spike:	MS153369-(WAT)-4	**Analysis Date:**	06/14/2013 14:43	**Units:**	ug/L
Batch:	CN_0505-061413	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free		<5	42	41.67	101	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	153369-(WAT)-4	**Analysis Date:**	06/14/2013 14:43	**Test:**	SM 4500-CNI
Duplicate 2:	DUP153369-(WAT)-4 \ 2	**Analysis Date:**	06/14/2013 14:43	**Units:**	ug/L
Batch:	CN_0505-061413	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Cyanide, Free		<5	<5	0	0 40	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Calibration Blank Report

Blank:	257752-BLC-1	**Test:**	SM 4500-CNI
Batch:	CN_0505-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:35	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Cyanide, Free	<5	5	

Blank:	257753-BLC-1	**Test:**	SM 4500-CNI
Batch:	CN_0505-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:43	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Cyanide, Free	<5	5	

Blank:	257754-BLC-1	**Test:**	SM 4500-CNI
Batch:	CN_0505-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:46	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Cyanide, Free	<5	5	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	257755-IPC-1	**Test:**	SM 4500-CNI
Batch:	CN_0505-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:15	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	50	50	100	90	110	

IPC:	257756-IPC-1	**Test:**	SM 4500-CNI
Batch:	CN_0505-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:35	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	50	50	100	90	110	

IPC:	257757-IPC-1	**Test:**	SM 4500-CNI
Batch:	CN_0505-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:43	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	49	50	98	90	110	

IPC:	257758-IPC-1	**Test:**	SM 4500-CNI
Batch:	CN_0505-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:46	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	53	50	106	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	257760-QCS-1	**Test:**	SM 4500-CNI
Batch:	CN_0505-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:35	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free	67	84.2	80	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	257759-BL-1	**Analysis Date:**	06/14/2013 14:35	**Test:**	SM 4500-CNI
LFB:	BSPK257759-BL-1	**Analysis Date:**	06/14/2013 14:35	**Units:**	ug/L
Batch:	CN_0505-061413	**Analyst:**	RSHESKY	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Cyanide, Free		<5	39	41.67	94	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: COD_0717-061813

Approved By: VDESHMUKH **On** 06/20/2013 07:44 **Status:** R **Test:** SM 5220D
Created By: RSHESKY **ELIMS Analysis:** COD **Surrogate:**
Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BSPK	BLKSPK_PR	BSPK258177-BL-1 \ 2	COD-SPK	258177-BL		
2	QCS	QCS_PR	258239-QCS-1	COD-QCS	258239-QCS		
3	BL	BLANK_CHECK	258177-BL-1 \ 1		258177-BL		
4	IPC	IPC_PR	258208-IPC-1	COD-SPK	258208-IPC		
5	BL	BLANK_CHECK	258178-BL-1		258178-BL		
6	IPC	IPC_PR	258209-IPC-1	COD-SPK	258209-IPC		
33	BL	BLANK_CHECK	258180-BL-1		258180-BL		
34	IPC	IPC_PR	258211-IPC-1	COD-SPK	258211-IPC		
45	153366	SAMPLE	153366-(WAT)-1		153366-(WAT)		Monitoring Well
46	BL	BLANK_CHECK	258181-BL-1		258181-BL		
47	IPC	IPC_PR	258212-IPC-1	COD-SPK	258212-IPC		
48	153367	SAMPLE	153367-(WAT)-1 \ 1		153367-(WAT)		Monitoring Well
49	DUP	RPD	DUP153367-(WAT)-1 \ 2		153367-(WAT)		Monitoring Well
50	MS	MATRIX_SPIKE_PR	MS153367-(WAT)-1 \ 3	COD-SPK	153367-(WAT)		Monitoring Well
51	153371	SAMPLE	153371-(WAT)-1		153371-(WAT)	FB	Field Blank
52	BL	BLANK_CHECK	258182-BL-1		258182-BL		
53	IPC	IPC_PR	258213-IPC-1	COD-SPK	258213-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	258177-BL-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 16:51	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	2	20	

Blank:	258178-BL-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 17:00	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	7	20	

Blank:	258180-BL-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 17:04	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	2	20	

Blank:	258181-BL-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 17:05	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	2	20	

Blank:	258182-BL-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 17:06	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	2	20	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	153367-(WAT)-1	**Analysis Date:**	06/18/2013 17:05	**Test:**	SM 5220D
Spike:	MS153367-(WAT)-1	**Analysis Date:**	06/18/2013 17:05	**Units:**	mg/L
Batch:	COD_0717-061813	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
COD		22	123	100	101	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	153367-(WAT)-1	**Analysis Date:**	06/18/2013 17:05	**Test:**	SM 5220D
Duplicate 2:	DUP153367-(WAT)-1 \ 2	**Analysis Date:**	06/18/2013 17:05	**Units:**	mg/L
Batch:	COD_0717-061813	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
COD		22	25	13	0	40

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	258208-IPC-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 16:51	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	95	100	95	90	110	

IPC:	258209-IPC-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 17:00	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	96	100	96	90	110	

IPC:	258211-IPC-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 17:04	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	98	100	98	90	110	

IPC:	258212-IPC-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 17:05	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	100	100	100	90	110	

IPC:	258213-IPC-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 17:06	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	101	100	101	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	258239-QCS-1	**Test:**	SM 5220D
Batch:	COD_0717-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 16:51	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	199	203	98	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	258177-BL-1	**Analysis Date:**	06/18/2013 16:51	**Test:**	SM 5220D
LFB:	BSPK258177-BL-1	**Analysis Date:**	06/18/2013 16:51	**Units:**	mg/L
Batch:	COD_0717-061813	**Analyst:**	RSHESKY	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
COD		<20	103	100	101	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: COD_0718-062613

Approved By: VDESHMUKH **On** 06/26/2013 13:50 **Status:** R **Test:** SM 5220D
Created By: RSHESKY **ELIMS Analysis:** COD **Surrogate:**
Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QCS	QCS_PR	260155-QCS-1	COD-QCS	260155-QCS		
2	BSPK	BLKSPK_PR	BSPK260157-BL-1 \ 2	COD-SPK	260157-BL		
3	BL	BLANK_CHECK	260157-BL-1 \ 1		260157-BL		
4	IPC	IPC_PR	260182-IPC-1	COD-SPK	260182-IPC		
5	BL	BLANK_CHECK	260158-BL-1		260158-BL		
6	IPC	IPC_PR	260183-IPC-1	COD-SPK	260183-IPC		
213	BL	BLANK_CHECK	260179-BL-1		260179-BL		
214	IPC	IPC_PR	260204-IPC-1	COD-SPK	260204-IPC		
215	153369	SAMPLE	153369-(WAT)-1 \ 1		153369-(WAT)		Etown C+DD Wa
216	DUP	RPD	DUP153369-(WAT)-1 \ 2		153369-(WAT)		Etown C+DD Wa
217	MS	MATRIX_SPIKE_PR	MS153369-(WAT)-1 \ 3	COD-SPK	153369-(WAT)		Etown C+DD Wa
218	153365	SAMPLE	153365-(WAT)-1		153365-(WAT)	FD	Monitoring Well
219	153370	SAMPLE	153370-(WAT)-1		153370-(WAT)	FD	Field Duplicate (
220	BL	BLANK_CHECK	260180-BL-1		260180-BL		
221	IPC	IPC_PR	260205-IPC-1	COD-SPK	260205-IPC		
222	153368	SAMPLE	153368-(WAT)-1		153368-(WAT)		Monitoring Well
223	BL	BLANK_CHECK	260181-BL-1		260181-BL		
224	IPC	IPC_PR	260206-IPC-1	COD-SPK	260206-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	260157-BL-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 07:57	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	-2	20	

Blank:	260158-BL-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 08:00	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	-1	20	

Blank:	260179-BL-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 09:40	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	-1	20	

Blank:	260180-BL-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 09:40	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	-3	20	

Blank:	260181-BL-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 09:43	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
COD	-3	20	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	153369-(WAT)-1	**Analysis Date:**	06/26/2013 09:40	**Test:**	SM 5220D
Spike:	MS153369-(WAT)-1	**Analysis Date:**	06/26/2013 09:40	**Units:**	mg/L
Batch:	COD_0718-062613	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
COD		<20	93	100	89	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	153369-(WAT)-1	**Analysis Date:**	06/26/2013 09:40	**Test:**	SM 5220D
Duplicate 2:	DUP153369-(WAT)-1 \ 2	**Analysis Date:**	06/26/2013 09:40	**Units:**	mg/L
Batch:	COD_0718-062613	**Analyst:**	RSHESKY	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
COD		<20	<20	0	0 40	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	260182-IPC-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 07:57	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	97	100	97	90	110	

IPC:	260183-IPC-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 08:00	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	97	100	97	90	110	

IPC:	260204-IPC-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 09:40	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	100	100	100	90	110	

IPC:	260205-IPC-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 09:40	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	99	100	99	90	110	

IPC:	260206-IPC-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 09:43	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	96	100	96	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	260155-QCS-1	**Test:**	SM 5220D
Batch:	COD_0718-062613	**Units:**	mg/L
Analysis Date:	06/26/2013 07:57	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
COD	207	203	102	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	260157-BL-1	**Analysis Date:**	06/26/2013 07:57	**Test:**	SM 5220D
LFB:	BSPK260157-BL-1	**Analysis Date:**	06/26/2013 07:57	**Units:**	mg/L
Batch:	COD_0718-062613	**Analyst:**	RSHESKY	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
COD		<20	95	100	97	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: HG_1255-061413

Approved By: VDESHMUKH **On** 06/17/2013 09:21 **Status:** R **Test:** USEPA 7470A
Created By: MBRAND **ELIMS Analysis:** Mercury-SW846 **Surrogate:**
Analyst: MBRAND **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QCST	QCS_STD_PR	257370-QCST-1	HG-STD-QCS	257370-QCST		
2	BLG	BLANK_DIG_CHK	257366-BLG-1 \ 1		257366-BLG		
3	LFB	LFB_CHK2	LFB257366-BLG-1 \ 2	HG-SPK	257366-BLG		
4	BLG	BLANK_DIG_CHK	257367-BLG-1		257367-BLG		
5	QCST	QCS_STD_PR	257371-QCST-1	HG-STD-QCS	257371-QCST		
6	153149	SAMPLE	153149-(WAT)-4 \ 1		153149-(WAT)	FD	MW-5
7	MS	MATRIX_SPIKE_PR	MS153149-(WAT)-4 \ 4	HG-SPK	153149-(WAT)	FD	MW-5
8	MSD	MS_RPD	MSD153149-(WAT)-4 \ 5	HG-SPK	153149-(WAT)	FD	MW-5
8	MSD	MS_DUPLICATE_PR	MSD153149-(WAT)-4 \ 5	HG-SPK	153149-(WAT)	FD	MW-5
9	153150	SAMPLE	153150-(WAT)-4		153150-(WAT)		MW-6
10	153151	SAMPLE	153151-(WAT)-4		153151-(WAT)	FD	Field Duplicate (
11	153152	SAMPLE	153152-(WAT)-4		153152-(WAT)	FB	Field Blank (FB)
12	153365	SAMPLE	153365-(WAT)-2		153365-(WAT)	FD	Monitoring Well
13	153366	SAMPLE	153366-(WAT)-2		153366-(WAT)		Monitoring Well
14	153367	SAMPLE	153367-(WAT)-2		153367-(WAT)		Monitoring Well
15	153368	SAMPLE	153368-(WAT)-2		153368-(WAT)		Monitoring Well
16	QCST	QCS_STD_PR	257372-QCST-1	HG-STD-QCS	257372-QCST		
17	BLG	BLANK_DIG_CHK	257368-BLG-1		257368-BLG		
18	153369	SAMPLE	153369-(WAT)-2 \ 1		153369-(WAT)		Etown C+DD Wa
19	MS	MATRIX_SPIKE_PR	MS153369-(WAT)-2 \ 4	HG-SPK	153369-(WAT)		Etown C+DD Wa
20	MSD	MS_RPD	MSD153369-(WAT)-2 \ 5	HG-SPK	153369-(WAT)		Etown C+DD Wa
20	MSD	MS_DUPLICATE_PR	MSD153369-(WAT)-2 \ 5	HG-SPK	153369-(WAT)		Etown C+DD Wa
21	153370	SAMPLE	153370-(WAT)-2		153370-(WAT)	FD	Field Duplicate (
22	153371	SAMPLE	153371-(WAT)-2		153371-(WAT)	FB	Field Blank
23	QCST	QCS_STD_PR	257373-QCST-1	HG-STD-QCS	257373-QCST		
24	BLG	BLANK_DIG_CHK	257369-BLG-1		257369-BLG		

Comments:

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	257366-BLG-1	**Analysis Date:**	06/14/2013 14:01	**Test:**	USEPA 7470A
LFB:	LFB257366-BLG-1	**Analysis Date:**	06/14/2013 14:01	**Units:**	ug/L
Batch:	HG_1255-061413	**Analyst:**	MBRAND	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Mercury		<0.20	2.6	2.44	109	85	115	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample: 153149-(WAT)-4 **Analysis Date:** 06/14/2013 14:02 **Test:** USEPA 7470A
Spike: MS153149-(WAT)-4 **Analysis Date:** 06/14/2013 14:02 **Units:** ug/L
Batch: HG_1255-061413 **Analyst:** MBRAND **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Mercury		<0.20	2.39	2.44	100	70	130	

Sample: 153149-(WAT)-4 **Analysis Date:** 06/14/2013 14:02 **Test:** USEPA 7470A
Spike: MSD153149-(WAT)-4 **Analysis Date:** 06/14/2013 14:02 **Units:** ug/L
Batch: HG_1255-061413 **Analyst:** MBRAND **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Mercury		<0.20	2.46	2.44	102	70	130	

Sample: 153369-(WAT)-2 **Analysis Date:** 06/14/2013 14:05 **Test:** USEPA 7470A
Spike: MS153369-(WAT)-2 **Analysis Date:** 06/14/2013 14:05 **Units:** ug/L
Batch: HG_1255-061413 **Analyst:** MBRAND **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Mercury		<0.20	2.46	2.44	100	70	130	

Sample: 153369-(WAT)-2 **Analysis Date:** 06/14/2013 14:05 **Test:** USEPA 7470A
Spike: MSD153369-(WAT)-2 **Analysis Date:** 06/14/2013 14:05 **Units:** ug/L
Batch: HG_1255-061413 **Analyst:** MBRAND **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Mercury		<0.20	2.31	2.44	94	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality control sample, non-digested

QCS_STD:	257370-QCST-1	**Test:**	USEPA 7470A
Batch:	HG_1255-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:01	**Analyst:**	MBRAND

Analyte	QCS_STD	Stock	Rec (%)	QC Limits (%)		Qualifier
Mercury	4.24	4	106	80	120	

QCS_STD:	257371-QCST-1	**Test:**	USEPA 7470A
Batch:	HG_1255-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:01	**Analyst:**	MBRAND

Analyte	QCS_STD	Stock	Rec (%)	QC Limits (%)		Qualifier
Mercury	4.06	4	102	80	120	

QCS_STD:	257372-QCST-1	**Test:**	USEPA 7470A
Batch:	HG_1255-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:03	**Analyst:**	MBRAND

Analyte	QCS_STD	Stock	Rec (%)	QC Limits (%)		Qualifier
Mercury	4.13	4	103	80	120	

QCS_STD:	257373-QCST-1	**Test:**	USEPA 7470A
Batch:	HG_1255-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:05	**Analyst:**	MBRAND

Analyte	QCS_STD	Stock	Rec (%)	QC Limits (%)		Qualifier
Mercury	3.97	4	99	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Digested Blank Report

Blank:	257366-BLG-1	**Test:**	USEPA 7470A
Batch:	HG_1255-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:01	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Mercury	<0.20	0.2	

Blank:	257367-BLG-1	**Test:**	USEPA 7470A
Batch:	HG_1255-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:01	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Mercury	<0.20	0.2	

Blank:	257368-BLG-1	**Test:**	USEPA 7470A
Batch:	HG_1255-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:05	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Mercury	<0.20	0.2	

Blank:	257369-BLG-1	**Test:**	USEPA 7470A
Batch:	HG_1255-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 14:05	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Mercury	<0.20	0.2	

* Outside acceptance limits

Matrix Duplicate / Duplicate Spike Report

Duplicate 1:	MS153149-(WAT)-4	**Analysis Date:**	06/14/2013 14:02	**Test:**	USEPA 7470A
Duplicate 2:	MSD153149-(WAT)-4	**Analysis Date:**	06/14/2013 14:02	**Units:**	ug/L
Batch:	HG_1255-061413	**Analyst:**	MBRAND	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Mercury		2.39	2.46	3	0	40

Duplicate 1:	MS153369-(WAT)-2	**Analysis Date:**	06/14/2013 14:05	**Test:**	USEPA 7470A
Duplicate 2:	MSD153369-(WAT)-2	**Analysis Date:**	06/14/2013 14:05	**Units:**	ug/L
Batch:	HG_1255-061413	**Analyst:**	MBRAND	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Mercury		2.46	2.31	6	0	40

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: ICP_1623-061413

Approved By: VDESHMUKH **On** 06/19/2013 10:32 **Status:** R **Test:** USEPA 6010B
Created By: SKHIDEKEL **ELIMS Analysis:** ICP-SW846_(W **Surrogate:**
Analyst: SKHIDEKEL **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	ICV	ICV_PR	257374-ICV-1	ICP-CCV	257374-ICV		
2	BL	BLANK_CHECK	257375-BL-1		257375-BL		
3	IPC	IPC_PR	257380-IPC-1	ICP-IPC	257380-IPC		
4	QCS	QCS_PR	257383-QCS-1	ICP-QCS	257383-QCS		
5	ICSI	ICSICP_PR	257384-ICSI-1	ICP-ICS	257384-ICSI		
6	BLG	BLANK_DIG_CHK	257385-BLG-1		257385-BLG		
7	153150	SAMPLE	153150-(WAT)-4 \ 1		153150-(WAT)		MW-6
8	153151	SAMPLE	153151-(WAT)-4 \ 1		153151-(WAT)	FD	Field Duplicate (
9	153152	SAMPLE	153152-(WAT)-4 \ 1		153152-(WAT)	FB	Field Blank (FB)
10	153365	SAMPLE	153365-(WAT)-2 \ 1		153365-(WAT)	FD	Monitoring Well
11	153366	SAMPLE	153366-(WAT)-2 \ 1		153366-(WAT)		Monitoring Well
12	153367	SAMPLE	153367-(WAT)-2 \ 1		153367-(WAT)		Monitoring Well
13	153368	SAMPLE	153368-(WAT)-2 \ 1		153368-(WAT)		Monitoring Well
14	153370	SAMPLE	153370-(WAT)-2 \ 1		153370-(WAT)	FD	Field Duplicate (
15	153371	SAMPLE	153371-(WAT)-2 \ 1		153371-(WAT)	FB	Field Blank
16	153149	SAMPLE	153149-(WAT)-4 \ 1		153149-(WAT)	FD	MW-5
17	MS	MATRIX_SPIKE_PR	MS153149-(WAT)-4 \ 2	ICP-SPK	153149-(WAT)	FD	MW-5
18	MSD	MS_RPD	MSD153149-(WAT)-4 \ 3	ICP-SPK	153149-(WAT)	FD	MW-5
18	MSD	MS_DUPLICATE_PR	MSD153149-(WAT)-4 \ 3	ICP-SPK	153149-(WAT)	FD	MW-5
19	BL	BLANK_CHECK	257376-BL-1		257376-BL		
20	IPC	IPC_PR	257381-IPC-1	ICP-IPC	257381-IPC		
21	153369	SAMPLE	153369-(WAT)-2 \ 1		153369-(WAT)		Etown C+DD Wa
22	MS	MATRIX_SPIKE_PR	MS153369-(WAT)-2 \ 2	ICP-SPK	153369-(WAT)		Etown C+DD Wa
23	MSD	MS_RPD	MSD153369-(WAT)-2 \ 3	ICP-SPK	153369-(WAT)		Etown C+DD Wa
23	MSD	MS_DUPLICATE_PR	MSD153369-(WAT)-2 \ 3	ICP-SPK	153369-(WAT)		Etown C+DD Wa
24	BL	BLANK_CHECK	257377-BL-1		257377-BL		
25	IPC	IPC_PR	257382-IPC-1	ICP-IPC	257382-IPC		
26	BL	BLANK_CHECK	257378-BL-1		257378-BL		
27	IPC	IPC_PR	257379-IPC-1	ICP-IPC	257379-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	257375-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 07:38	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Aluminum	-3	200	
Barium	1	15	
Boron	0	200	
Calcium	0	2	
Iron	7	50	
Magnesium	0	1	
Manganese	0	10	
Potassium	0	2	
Sodium	0	5	
Strontium	0	30	
Titanium	0	50	
Vanadium	-5	50	
Zinc	2	10	

Blank:	257376-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 08:43	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Aluminum	-15	200	
Barium	0	15	
Boron	0	200	
Calcium	0	2	
Iron	10	50	
Magnesium	0	1	
Manganese	0	10	
Potassium	0	2	
Sodium	0	5	
Strontium	0	30	
Titanium	0	50	
Vanadium	-12	50	
Zinc	0	10	

Blank:	257377-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 09:26	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Aluminum	-16	200	
Barium	0	15	
Boron	0	200	
Calcium	0	2	
Iron	6	50	
Magnesium	0	1	

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	257377-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 09:26	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Manganese	0	10	
Potassium	0	2	
Sodium	0	5	
Strontium	0	30	
Titanium	0	50	
Vanadium	-11	50	
Zinc	1	10	

Blank:	257378-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 09:38	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Aluminum	-17	200	
Barium	0	15	
Boron	0	200	
Calcium	0	2	
Iron	9	50	
Magnesium	0	1	
Manganese	0	10	
Potassium	0	2	
Sodium	0	5	
Strontium	0	30	
Titanium	0	50	
Vanadium	-9	50	
Zinc	0	10	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample: 153149-(WAT)-4 **Analysis Date:** 06/14/2013 08:34 **Test:** USEPA 6010B
Spike: MS153149-(WAT)-4 **Analysis Date:** 06/14/2013 08:37 **Units:** ug/L
Batch: ICP_1623-061413 **Analyst:** SKHIDEKEL **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Aluminum		<200	3810	4000	95	75	125	
Barium		177	1170	1000	99	75	125	
Calcium		245	278	40	83	75	125	
Iron		1940	11700	10000	98	75	125	
Magnesium		93	114	20	105	75	125	
Manganese		1530	2520	1000	99	75	125	
Sodium		83	122	40	98	75	125	
Strontium		1780	2790	1000	101	75	125	
Potassium		19	39	20	100	75	125	
Zinc		<10	946	1000	94	75	125	
Vanadium		<50	989	1000	99	75	125	
Titanium		<50	964	1000	96	75	125	

Sample: 153149-(WAT)-4 **Analysis Date:** 06/14/2013 08:34 **Test:** USEPA 6010B
Spike: MSD153149-(WAT)-4 **Analysis Date:** 06/14/2013 08:40 **Units:** ug/L
Batch: ICP_1623-061413 **Analyst:** SKHIDEKEL **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Aluminum		<200	3800	4000	94	75	125	
Barium		177	1170	1000	99	75	125	
Calcium		245	284	40	98	75	125	
Iron		1940	11700	10000	98	75	125	
Magnesium		93	114	20	105	75	125	
Manganese		1530	2520	1000	99	75	125	
Sodium		83	123	40	100	75	125	
Strontium		1780	2800	1000	102	75	125	
Potassium		19	39	20	100	75	125	
Zinc		<10	943	1000	94	75	125	
Vanadium		<50	989	1000	99	75	125	
Titanium		<50	962	1000	96	75	125	

Sample: 153369-(WAT)-2 **Analysis Date:** 06/14/2013 08:49 **Test:** USEPA 6010B
Spike: MS153369-(WAT)-2 **Analysis Date:** 06/14/2013 08:52 **Units:** ug/L
Batch: ICP_1623-061413 **Analyst:** SKHIDEKEL **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Aluminum		<200	3760	4000	94	75	125	
Barium		84	1090	1000	101	75	125	

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	153369-(WAT)-2	**Analysis Date:**	06/14/2013 08:49	**Test:**	USEPA 6010B
Spike:	MS153369-(WAT)-2	**Analysis Date:**	06/14/2013 08:52	**Units:**	mg/L
Batch:	ICP_1623-061413	**Analyst:**	SKHIDEKEL	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Calcium		169	211	40	105	75	125	
Iron		925	10500	10000	96	75	125	
Magnesium		46	67	20	105	75	125	
Manganese		83	1080	1000	100	75	125	
Sodium		38	78	40	100	75	125	
Strontium		620	1610	1000	99	75	125	
Potassium		6	26	20	100	75	125	
Zinc		<10	963	1000	96	75	125	
Vanadium		<50	989	1000	100	75	125	
Titanium		<50	962	1000	96	75	125	

Sample:	153369-(WAT)-2	**Analysis Date:**	06/14/2013 08:49	**Test:**	USEPA 6010B
Spike:	MSD153369-(WAT)-2	**Analysis Date:**	06/14/2013 08:55	**Units:**	ug/L
Batch:	ICP_1623-061413	**Analyst:**	SKHIDEKEL	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Aluminum		<200	3740	4000	94	75	125	
Barium		84	1090	1000	101	75	125	
Calcium		169	212	40	108	75	125	
Iron		925	10400	10000	95	75	125	
Magnesium		46	67	20	105	75	125	
Manganese		83	1080	1000	100	75	125	
Sodium		38	77	40	98	75	125	
Strontium		620	1600	1000	98	75	125	
Potassium		6	26	20	100	75	125	
Zinc		<10	956	1000	95	75	125	
Vanadium		<50	979	1000	99	75	125	
Titanium		<50	953	1000	95	75	125	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Digested Blank Report

Blank:	257385-BLG-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 08:03	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Aluminum	<200	200	
Barium	<15	15	
Boron	<200	200	
Calcium	<2	2	
Iron	<50	50	
Magnesium	<1	1	
Manganese	<10	10	
Potassium	<2	2	
Sodium	<5	5	
Strontium	<30	30	
Titanium	<50	50	
Vanadium	<50	50	
Zinc	<10	10	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	257380-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 07:41	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	9700	10000	97	90	110	
Barium	2490	2500	100	90	110	
Boron	0	2500	0			
Calcium	99	100	99	90	110	
Iron	24300	25000	97	90	110	
Magnesium	50	50	100	90	110	
Manganese	2470	2500	99	90	110	
Potassium	48	50	96	90	110	
Sodium	97	100	97	90	110	
Strontium	2490	2500	100	90	110	
Titanium	2430	2500	97	90	110	
Vanadium	2490	2500	100	90	110	
Zinc	2450	2500	98	90	110	

IPC:	257381-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 08:46	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	9320	10000	93	90	110	
Barium	2480	2500	99	90	110	
Boron	0	2500	0			
Calcium	97	100	97	90	110	
Iron	23400	25000	94	90	110	
Magnesium	48	50	96	90	110	
Manganese	2410	2500	96	90	110	
Potassium	47	50	94	90	110	
Sodium	93	100	93	90	110	
Strontium	2440	2500	98	90	110	
Titanium	2330	2500	93	90	110	
Vanadium	2430	2500	97	90	110	
Zinc	2420	2500	97	90	110	

IPC:	257382-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 09:29	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	9290	10000	93	90	110	
Barium	2500	2500	100	90	110	
Boron	0	2500	0			
Calcium	98	100	98	90	110	
Iron	23300	25000	93	90	110	
Magnesium	48	50	96	90	110	
Manganese	2420	2500	97	90	110	

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	257382-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	mg/L
Analysis Date:	06/14/2013 09:29	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Potassium	47	50	94	90	110	
Sodium	92	100	92	90	110	
Strontium	2430	2500	97	90	110	
Titanium	2330	2500	93	90	110	
Vanadium	2440	2500	98	90	110	
Zinc	2450	2500	98	90	110	

IPC:	257379-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 09:41	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	9240	10000	92	90	110	
Barium	2500	2500	100	90	110	
Boron	0	2500	0			
Calcium	98	100	98	90	110	
Iron	23200	25000	93	90	110	
Magnesium	48	50	96	90	110	
Manganese	2410	2500	96	90	110	
Potassium	46	50	92	90	110	
Sodium	92	100	92	90	110	
Strontium	2410	2500	96	90	110	
Titanium	2320	2500	93	90	110	
Vanadium	2430	2500	97	90	110	
Zinc	2460	2500	98	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	257383-QCS-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 07:44	**Analyst:**	SKHIDEKEL

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	7940	8000	99	90	110	
Barium	2020	2000	101	90	110	
Boron	0	2000	0			
Calcium	40	40	100	90	110	
Iron	19400	20000	97	90	110	
Magnesium	40	40	100	90	110	
Manganese	2000	2000	100	90	110	
Potassium	39	40	98	90	110	
Sodium	79	80	99	90	110	
Strontium	2050	2000	103	90	110	
Titanium	1920	2000	96	90	110	
Vanadium	2010	2000	101	90	110	
Zinc	2080	2000	104	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Duplicate / Duplicate Spike Report

Duplicate 1:	MS153149-(WAT)-4	**Analysis Date:**	06/14/2013 08:37	**Test:**	USEPA 6010B
Duplicate 2:	MSD153149-(WAT)-4	**Analysis Date:**	06/14/2013 08:40	**Units:**	ug/L
Batch:	ICP_1623-061413	**Analyst:**	SKHIDEKEL	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Aluminum		3810	3800	0	0	20
Barium		1170	1170	0	0	20
Calcium		278	284	2	0	20
Iron		11700	11700	0	0	20
Magnesium		114	114	0	0	20
Manganese		2520	2520	0	0	20
Potassium		39	39	0	0	20
Sodium		122	123	1	0	20
Strontium		2790	2800	0	0	20
Titanium		964	962	0	0	20
Vanadium		989	989	0	0	20
Zinc		946	943	0	0	20

Duplicate 1:	MS153369-(WAT)-2	**Analysis Date:**	06/14/2013 08:52	**Test:**	USEPA 6010B
Duplicate 2:	MSD153369-(WAT)-2	**Analysis Date:**	06/14/2013 08:55	**Units:**	ug/L
Batch:	ICP_1623-061413	**Analyst:**	SKHIDEKEL	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Aluminum		3760	3740	1	0	20
Barium		1090	1090	0	0	20
Calcium		211	212	0	0	20
Iron		10500	10400	1	0	20
Magnesium		67	67	0	0	20
Manganese		1080	1080	0	0	20
Potassium		26	26	0	0	20
Sodium		78	77	1	0	20
Strontium		1610	1600	1	0	20
Titanium		962	953	1	0	20
Vanadium		989	979	1	0	20
Zinc		963	956	1	0	20

* Outside acceptance limits

OhioEPA Division of Environmental Services
Interference Check Standard

ICS:	257384-ICSI-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 08:00	**Analyst:**	SKHIDEKEL

Analyte	ICS	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	1880	2000	94	80	120	
Barium	153	150	102	80	120	
Boron	0	2000	0			
Calcium	19	20	95	80	120	
Iron	463	500	93	80	120	
Magnesium	10	10	100	80	120	
Manganese	100	100	100	80	120	
Potassium	19	20	95	80	120	
Sodium	49	50	98	80	120	
Strontium	301	300	100	80	120	
Titanium	482	500	96	80	120	
Vanadium	490	500	98	80	120	
Zinc	100	100	100	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Initial Calibration Verification Standard

ICV:	257374-ICV-1	**Test:**	USEPA 6010B
Batch:	ICP_1623-061413	**Units:**	ug/L
Analysis Date:	06/14/2013 07:35	**Analyst:**	SKHIDEKEL

Analyte	ICV	Stock	Rec (%)	QC Limits (%)		Qualifier
Aluminum	20000	20000	100	90	110	
Barium	5020	5000	100	90	110	
Calcium	200	200	100	90	110	
Iron	50200	50000	100	90	110	
Magnesium	100	100	100	90	110	
Manganese	5000	5000	100	90	110	
Potassium	100	100	100	90	110	
Sodium	199	200	100	90	110	
Strontium	4990	5000	100	90	110	
Titanium	4990	5000	100	90	110	
Vanadium	5020	5000	100	90	110	
Zinc	5020	5000	100	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: ICP_1626-061813

Approved By: VDESHMUKH **On** 06/19/2013 11:09 **Status:** R **Test:** USEPA 6010B
Created By: SKHIDEKEL **ELIMS Analysis:** ICP-SW846_(W **Surrogate:**
Analyst: SKHIDEKEL **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	IPC	IPC_PR	257952-IPC-1	ICP-IPC	257952-IPC		
2	BL	BLANK_CHECK	257944-BL-1		257944-BL		
3	QCS	QCS_PR	257955-QCS-1	ICP-QCS	257955-QCS		
4	ICV	ICV_PR	257951-ICV-1	ICP-CCV	257951-ICV		
5	BLG	BLANK_DIG_CHK	257949-BLG-1		257949-BLG		
6	ICSI	ICSICP_PR	257950-ICSI-1	ICP-ICS	257950-ICSI		
7	153150	SAMPLE	153150-(WAT)-4 \ 2		153150-(WAT)		MW-6
8	153151	SAMPLE	153151-(WAT)-4 \ 2		153151-(WAT)	FD	Field Duplicate (
9	153152	SAMPLE	153152-(WAT)-4 \ 2		153152-(WAT)	FB	Field Blank (FB)
10	153365	SAMPLE	153365-(WAT)-2 \ 2		153365-(WAT)	FD	Monitoring Well
11	153366	SAMPLE	153366-(WAT)-2 \ 2		153366-(WAT)		Monitoring Well
12	153367	SAMPLE	153367-(WAT)-2 \ 2		153367-(WAT)		Monitoring Well
13	153368	SAMPLE	153368-(WAT)-2 \ 2		153368-(WAT)		Monitoring Well
14	153370	SAMPLE	153370-(WAT)-2 \ 2		153370-(WAT)	FD	Field Duplicate (
15	153371	SAMPLE	153371-(WAT)-2 \ 2		153371-(WAT)	FB	Field Blank
16	153149	SAMPLE	153149-(WAT)-4 \ 4		153149-(WAT)	FD	MW-5
17	MS	MATRIX_SPIKE_PR	MS153149-(WAT)-4 \ 5	ICP-SPK	153149-(WAT)	FD	MW-5
18	MSD	MS_RPD	MSD153149-(WAT)-4 \ 6	ICP-SPK	153149-(WAT)	FD	MW-5
18	MSD	MS_DUPLICATE_PR	MSD153149-(WAT)-4 \ 6	ICP-SPK	153149-(WAT)	FD	MW-5
19	BL	BLANK_CHECK	257947-BL-1		257947-BL		
20	IPC	IPC_PR	257953-IPC-1	ICP-IPC	257953-IPC		
21	153369	SAMPLE	153369-(WAT)-2 \ 4		153369-(WAT)		Etown C+DD Wa
22	MS	MATRIX_SPIKE_PR	MS153369-(WAT)-2 \ 5	ICP-SPK	153369-(WAT)		Etown C+DD Wa
23	MSD	MS_RPD	MSD153369-(WAT)-2 \ 6	ICP-SPK	153369-(WAT)		Etown C+DD Wa
23	MSD	MS_DUPLICATE_PR	MSD153369-(WAT)-2 \ 6	ICP-SPK	153369-(WAT)		Etown C+DD Wa
24	BL	BLANK_CHECK	257948-BL-1		257948-BL		
25	IPC	IPC_PR	257954-IPC-1	ICP-IPC	257954-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	257944-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1626-061813	**Units:**	ug/L
Analysis Date:	06/17/2013 00:00	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Boron	22	200	

Blank:	257947-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1626-061813	**Units:**	ug/L
Analysis Date:	06/17/2013 00:00	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Boron	41	200	

Blank:	257948-BL-1	**Test:**	USEPA 6010B
Batch:	ICP_1626-061813	**Units:**	ug/L
Analysis Date:	06/17/2013 00:00	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Boron	29	200	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample: 153149-(WAT)-4 **Analysis Date:** 06/17/2013 00:00 **Test:** USEPA 6010B
Spike: MS153149-(WAT)-4 **Analysis Date:** 06/17/2013 00:00 **Units:** ug/L
Batch: ICP_1626-061813 **Analyst:** SKHIDEKEL **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)	Qualifier
Boron		4370	5530	1000	116		

Sample: 153149-(WAT)-4 **Analysis Date:** 06/17/2013 00:00 **Test:** USEPA 6010B
Spike: MSD153149-(WAT)-4 **Analysis Date:** 06/17/2013 00:00 **Units:** ug/L
Batch: ICP_1626-061813 **Analyst:** SKHIDEKEL **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)	Qualifier
Boron		4370	5420	1000	105		

Sample: 153369-(WAT)-2 **Analysis Date:** 06/17/2013 00:00 **Test:** USEPA 6010B
Spike: MS153369-(WAT)-2 **Analysis Date:** 06/17/2013 00:00 **Units:** ug/L
Batch: ICP_1626-061813 **Analyst:** SKHIDEKEL **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)	Qualifier
Boron		344	1320	1000	98		

Sample: 153369-(WAT)-2 **Analysis Date:** 06/17/2013 00:00 **Test:** USEPA 6010B
Spike: MSD153369-(WAT)-2 **Analysis Date:** 06/17/2013 00:00 **Units:** ug/L
Batch: ICP_1626-061813 **Analyst:** SKHIDEKEL **Matrix:** GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)	Qualifier
Boron		344	1310	1000	97		

* Outside acceptance limits

OhioEPA Division of Environmental Services
Digested Blank Report

Blank:	257949-BLG-1	**Test:**	USEPA 6010B
Batch:	ICP_1626-061813	**Units:**	ug/L
Analysis Date:	06/17/2013 00:00	**Analyst:**	SKHIDEKEL

Analyte	Result	RL	Qualifier
Boron	<200	200	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	257952-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1626-061813	**Units:**	ug/L
Analysis Date:	06/17/2013 00:00	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)	Qualifier
Boron	2530	2500	101		

IPC:	257953-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1626-061813	**Units:**	ug/L
Analysis Date:	06/17/2013 00:00	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)	Qualifier
Boron	2530	2500	101		

IPC:	257954-IPC-1	**Test:**	USEPA 6010B
Batch:	ICP_1626-061813	**Units:**	ug/L
Analysis Date:	06/17/2013 00:00	**Analyst:**	SKHIDEKEL

Analyte	IPC	Stock	Rec (%)	QC Limits (%)	Qualifier
Boron	2570	2500	103		

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	257955-QCS-1	**Test:**	USEPA 6010B
Batch:	ICP_1626-061813	**Units:**	ug/L
Analysis Date:	06/17/2013 00:00	**Analyst:**	SKHIDEKEL

Analyte	QCS	Stock	Rec (%)	QC Limits (%)	Qualifier
Boron	2000	2000	100		

* Outside acceptance limits

OhioEPA Division of Environmental Services
Interference Check Standard

ICS:	257950-ICSI-1	**Test:**	USEPA 6010B
Batch:	ICP_1626-061813	**Units:**	ug/L
Analysis Date:	06/17/2013 00:00	**Analyst:**	SKHIDEKEL

Analyte	ICS	Stock	Rec (%)	QC Limits (%)	Qualifier
Boron	2050	2000	103		

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: ICPMS2_0517-062013

Approved By: VDESHMUKH **On** 07/01/2013 08:47 **Status:** R **Test:** USEPA 6020A
Created By: MBRAND **ELIMS Analysis:** ICPMS846_(WA **Surrogate:**
Analyst: MBRAND **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BLC	BLANK_CAL_CHK	258774-BLC-1		258774-BLC		
2	IPC	IPC_PR	258777-IPC-1	ICPMS_IPC	258777-IPC		
3	QCST	QCS_STD_PR	258780-QCST-1	ICPMS_STD_QC	258780-QCST		
4	RLV	RLV_PR	258781-RLV-1	ICPMS_RLV	258781-RLV		
5	ICSA	ICSA_CHK	258784-ICSA-1 \ 1		258784-ICSA		
6	ICS	ICS_PR	ICS258784-ICSA-1 \ 2	ICPMS846_ICS	258784-ICSA		
7	BLG	BLANK_DIG_CHK	258785-BLG-1 \ 1		258785-BLG		
8	LFB	LFB_CHK2	LFB258785-BLG-1 \ 2	ICPMS846_SPK	258785-BLG		
9	153150	SAMPLE	153150-(WAT)-4		153150-(WAT)		MW-6
10	153152	SAMPLE	153152-(WAT)-4		153152-(WAT)	FB	Field Blank (FB)
11	153365	SAMPLE	153365-(WAT)-2		153365-(WAT)	FD	Monitoring Well
12	153366	SAMPLE	153366-(WAT)-2		153366-(WAT)		Monitoring Well
13	153367	SAMPLE	153367-(WAT)-2		153367-(WAT)		Monitoring Well
14	153368	SAMPLE	153368-(WAT)-2		153368-(WAT)		Monitoring Well
15	153370	SAMPLE	153370-(WAT)-2		153370-(WAT)	FD	Field Duplicate (
16	153371	SAMPLE	153371-(WAT)-2		153371-(WAT)	FB	Field Blank
17	BLC	BLANK_CAL_CHK	258775-BLC-1		258775-BLC		
18	IPC	IPC_PR	258778-IPC-1	ICPMS_IPC	258778-IPC		
19	RLV	RLV_PR	258782-RLV-1	ICPMS_RLV	258782-RLV		
20	153369	SAMPLE	153369-(WAT)-2 \ 1		153369-(WAT)		Etown C+DD Wa
21	MS	MATRIX_SPIKE_PR	MS153369-(WAT)-2 \ 2	ICPMS846_SPK	153369-(WAT)		Etown C+DD Wa
22	MSD	MS_RPD	MSD153369-(WAT)-2 \ 3	ICPMS846_SPK	153369-(WAT)		Etown C+DD Wa
22	MSD	MS_DUPLICATE_PR	MSD153369-(WAT)-2 \ 3	ICPMS846_SPK	153369-(WAT)		Etown C+DD Wa
23	BLC	BLANK_CAL_CHK	258776-BLC-1		258776-BLC		
24	IPC	IPC_PR	258779-IPC-1	ICPMS_IPC	258779-IPC		
25	RLV	RLV_PR	258783-RLV-1	ICPMS_RLV	258783-RLV		

Comments:

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	258785-BLG-1	**Analysis Date:**	06/19/2013 14:02	**Test:**	USEPA 6020A
LFB:	LFB258785-BLG-1	**Analysis Date:**	06/19/2013 14:05	**Units:**	ug/L
Batch:	ICPMS2_0517-062013	**Analyst:**	MBRAND	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Antimony		<2.0	20.1	20	100	80	120	
Arsenic		<2.0	19.7	20	99	80	120	
Beryllium		<0.20	1.97	2	99	80	120	
Cadmium		<0.20	1.94	2	99	80	120	
Chromium		<2.0	20.6	20	102	80	120	
Cobalt		<2.0	20.7	20	104	80	120	
Copper		<2.0	20.4	20	96	80	120	
Lead		<2.0	21	20	105	80	120	
Nickel		<2.0	20.1	20	100	80	120	
Selenium		<2.0	19.1	20	96	80	120	
Silver		<0.20	2	2	100	80	120	
Thallium		<2.0	21.8	20	109	80	120	
Tin		<2.0	20	20	100	80	120	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Spike Report

Sample:	153369-(WAT)-2	**Analysis Date:**	06/19/2013 14:58	**Test:**	USEPA 6020A
Spike:	MS153369-(WAT)-2	**Analysis Date:**	06/19/2013 15:01	**Units:**	ug/L
Batch:	ICPMS2_0517-062013	**Analyst:**	MBRAND	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Silver		<0.20	1.72	2	86	75	125	
Antimony		<2.0	20	20	100	75	125	
Arsenic		<2.0	20.6	20	99	75	125	
Thallium		<2.0	21.1	20	106	75	125	
Beryllium		<0.20	1.85	2	93	75	125	
Cadmium		<0.20	1.8	2	89	75	125	
Cobalt		2.0	20.6	20	93	75	125	
Copper		21.5	37	20	78	75	125	
Chromium		<2.0	19	20	94	75	125	
Lead		2.2	22	20	99	75	125	
Nickel		10.8	27.6	20	84	75	125	
Selenium		<2.0	19	20	93	75	125	

Sample:	153369-(WAT)-2	**Analysis Date:**	06/19/2013 14:58	**Test:**	USEPA 6020A
Spike:	MSD153369-(WAT)-2	**Analysis Date:**	06/19/2013 15:04	**Units:**	ug/L
Batch:	ICPMS2_0517-062013	**Analyst:**	MBRAND	**Matrix:**	GW

Analyte	Matrix	Sample Result	Spike Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Thallium		<2.0	21	20	105	75	125	
Silver		<0.20	1.73	2	87	75	125	
Antimony		<2.0	20.2	20	101	75	125	
Arsenic		<2.0	20.8	20	100	75	125	
Beryllium		<0.20	1.89	2	95	75	125	
Cadmium		<0.20	1.85	2	92	75	125	
Cobalt		2.0	20.8	20	94	75	125	
Copper		21.5	37.5	20	80	75	125	
Chromium		<2.0	19.1	20	95	75	125	
Lead		2.2	22.2	20	100	75	125	
Nickel		10.8	28.1	20	87	75	125	
Selenium		<2.0	19.6	20	96	75	125	

* Outside acceptance limits

OhioEPA

Division of Environmental Services
Quality control sample, non-digested

QCS_STD:	258780-QCST-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 13:48	**Analyst:**	MBRAND

Analyte	QCS_STD	Stock	Rec (%)	QC Limits (%)		Qualifier
Antimony	39.6	40	99	90	110	
Arsenic	41.2	40	103	90	110	
Beryllium	3.99	4	100	90	110	
Cadmium	4.01	4	100	90	110	
Chromium	41.1	40	103	90	110	
Cobalt	42.1	40	105	90	110	
Copper	41	40	103	90	110	
Lead	39.7	40	99	90	110	
Nickel	41.2	40	103	90	110	
Selenium	39	40	98	90	110	
Silver	4.06	4	102	90	110	
Thallium	39.2	40	98	90	110	
Tin	39.6	40	99	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Calibration Blank Report

Blank:	258774-BLC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 13:42	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Antimony	<2.0	2	
Arsenic	<2.0	2	
Beryllium	<0.20	0.2	
Cadmium	<0.20	0.2	
Chromium	<2.0	2	
Cobalt	<2.0	2	
Copper	<2.0	2	
Lead	<2.0	2	
Nickel	<2.0	2	
Selenium	<2.0	2	
Silver	<0.20	0.2	
Thallium	<2.0	2	
Tin	<2.0	2	

Blank:	258775-BLC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 14:48	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Antimony	<2.0	2	
Arsenic	<2.0	2	
Beryllium	<0.20	0.2	
Cadmium	<0.20	0.2	
Chromium	<2.0	2	
Cobalt	<2.0	2	
Copper	<2.0	2	
Lead	<2.0	2	
Nickel	<2.0	2	
Selenium	<2.0	2	
Silver	<0.20	0.2	
Thallium	<2.0	2	
Tin	<2.0	2	

Blank:	258776-BLC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 15:07	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Antimony	<2.0	2	
Arsenic	<2.0	2	
Beryllium	<0.20	0.2	
Cadmium	<0.20	0.2	
Chromium	<2.0	2	
Cobalt	<2.0	2	
Copper	<2.0	2	
Lead	<2.0	2	

OhioEPA Division of Environmental Services
Calibration Blank Report

Blank:	258776-BLC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 15:07	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Nickel	<2.0	2	
Selenium	<2.0	2	
Silver	<0.20	0.2	
Thallium	<2.0	2	
Tin	<2.0	2	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Digested Blank Report

Blank:	258785-BLG-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 14:02	**Analyst:**	MBRAND

Analyte	Result	RL	Qualifier
Antimony	<2.0	2	
Arsenic	<2.0	2	
Beryllium	<0.20	0.2	
Cadmium	<0.20	0.2	
Chromium	<2.0	2	
Cobalt	<2.0	2	
Copper	<2.0	2	
Lead	<2.0	2	
Nickel	<2.0	2	
Selenium	<2.0	2	
Silver	<0.20	0.2	
Thallium	<2.0	2	
Tin	<2.0	2	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	258777-IPC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 13:45	**Analyst:**	MBRAND

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Antimony	25.3	25	101	90	110	
Arsenic	25.2	25	101	90	110	
Beryllium	2.44	2.5	98	90	110	
Cadmium	2.5	2.5	100	90	110	
Chromium	25.5	25	102	90	110	
Cobalt	26.2	25	105	90	110	
Copper	25.4	25	102	90	110	
Lead	26.1	25	104	90	110	
Nickel	25.3	25	101	90	110	
Selenium	25	25	100	90	110	
Silver	2.46	2.5	98	90	110	
Thallium	27	25	108	90	110	
Tin	25.3	25	101	90	110	

IPC:	258778-IPC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 14:51	**Analyst:**	MBRAND

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Antimony	25	25	100	90	110	
Arsenic	24.8	25	99	90	110	
Beryllium	2.61	2.5	104	90	110	
Cadmium	2.45	2.5	98	90	110	
Chromium	25.7	25	103	90	110	
Cobalt	26.1	25	104	90	110	
Copper	25.1	25	100	90	110	
Lead	26.1	25	104	90	110	
Nickel	24.9	25	100	90	110	
Selenium	24.8	25	99	90	110	
Silver	2.45	2.5	98	90	110	
Thallium	26.7	25	107	90	110	
Tin	24.6	25	98	90	110	

IPC:	258779-IPC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 15:11	**Analyst:**	MBRAND

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Antimony	25.3	25	101	90	110	
Arsenic	24.6	25	98	90	110	
Beryllium	2.61	2.5	104	90	110	
Cadmium	2.47	2.5	99	90	110	
Chromium	25.9	25	104	90	110	
Cobalt	26.4	25	106	90	110	
Copper	24.9	25	100	90	110	

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	258779-IPC-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 15:11	**Analyst:**	MBRAND

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Lead	26.5	25	106	90	110	
Nickel	25.1	25	100	90	110	
Selenium	24.9	25	100	90	110	
Silver	2.43	2.5	97	90	110	
Thallium	27	25	108	90	110	
Tin	25.2	25	101	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Matrix Duplicate / Duplicate Spike Report

Duplicate 1:	MS153369-(WAT)-2	**Analysis Date:**	06/19/2013 15:01	**Test:**	USEPA 6020A
Duplicate 2:	MSD153369-(WAT)-2	**Analysis Date:**	06/19/2013 15:04	**Units:**	ug/L
Batch:	ICPMS2_0517-062013	**Analyst:**	MBRAND	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Antimony		20	20.2	1	0	20
Arsenic		20.6	20.8	1	0	20
Beryllium		1.85	1.89	2	0	20
Cadmium		1.8	1.85	3	0	20
Chromium		19	19.1	1	0	20
Cobalt		20.6	20.8	1	0	20
Copper		37	37.5	1	0	20
Lead		22	22.2	1	0	20
Nickel		27.6	28.1	2	0	20
Selenium		19	19.6	3	0	20
Silver		1.72	1.73	1	0	20
Thallium		21.1	21	0	0	20
Tin		20.3	20.6	1	0	20

* Outside acceptance limits

OhioEPA Division of Environmental Services
Interference Check Standard

ICSA:	258784-ICSA-1	**Analysis Date:**	06/19/2013 13:55	**Test:**	USEPA 6020A
ICS:	ICS258784-ICSA-1	**Analysis Date:**	06/19/2013 13:58	**Units:**	ug/L
Batch:	ICPMS2_0517-062013	**Analyst:**	MBRAND	**Matrix:**	

Analyte	Matrix	ICSA Result	ICS Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Antimony		<2.0	34.7	36	96	75	125	
Arsenic		<2.0	36.2	36	100	75	125	
Beryllium		<0.20	3.02	3.6	84	75	125	
Cadmium		<0.20	2.85	3.6	83	75	125	
Chromium		2.8	36.6	36	94	75	125	
Cobalt		<2.0	34.4	36	94	75	125	
Copper		2.7	31.5	36	80	75	125	
Lead		<2.0	32.4	36	89	75	125	
Nickel		2.8	33.6	36	86	75	125	
Selenium		<2.0	31.9	36	91	75	125	
Silver		<0.20	2.93	3.6	80	75	125	
Thallium		<2.0	32.3	36	90	75	125	
Tin		<2.0	34.2	36	94	75	125	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Reporting Limit Verification

RLV:	258781-RLV-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 13:52	**Analyst:**	MBRAND

Analyte	RLV	Stock	Rec (%)	QC Limits (%)		Qualifier
Antimony	2.3	2	115	70	130	
Arsenic	2	2	100	70	130	
Beryllium	0.19	0.2	95	70	130	
Cadmium	0.21	0.2	105	70	130	
Chromium	2.1	2	105	70	130	
Cobalt	2.2	2	110	70	130	
Copper	2	2	100	70	130	
Lead	2.2	2	110	70	130	
Nickel	2	2	100	70	130	
Selenium	2	2	100	70	130	
Silver	0.2	0.2	100	70	130	
Thallium	2.3	2	115	70	130	
Tin	2.1	2	105	70	130	

RLV:	258782-RLV-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 14:54	**Analyst:**	MBRAND

Analyte	RLV	Stock	Rec (%)	QC Limits (%)		Qualifier
Antimony	2	2	100	70	130	
Arsenic	2	2	100	70	130	
Beryllium	0.22	0.2	110	70	130	
Cadmium	0.18	0.2	90	70	130	
Chromium	2.1	2	105	70	130	
Cobalt	2.1	2	105	70	130	
Copper	2	2	100	70	130	
Lead	2.2	2	110	70	130	
Nickel	2	2	100	70	130	
Selenium	2	2	100	70	130	
Silver	0.2	0.2	100	70	130	
Thallium	2.3	2	115	70	130	
Tin	2	2	100	70	130	

RLV:	258783-RLV-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 15:14	**Analyst:**	MBRAND

Analyte	RLV	Stock	Rec (%)	QC Limits (%)		Qualifier
Antimony	2	2	100	70	130	
Arsenic	1.9	2	95	70	130	
Beryllium	0.2	0.2	100	70	130	
Cadmium	0.18	0.2	90	70	130	
Chromium	2.1	2	105	70	130	
Cobalt	2.2	2	110	70	130	
Copper	2.1	2	105	70	130	

OhioEPA Division of Environmental Services
Reporting Limit Verification

RLV:	258783-RLV-1	**Test:**	USEPA 6020A
Batch:	ICPMS2_0517-062013	**Units:**	ug/L
Analysis Date:	06/19/2013 15:14	**Analyst:**	MBRAND

Analyte	RLV	Stock	Rec (%)	QC Limits (%)		Qualifier
Lead	2.2	2	110	70	130	
Nickel	2	2	100	70	130	
Selenium	2	2	100	70	130	
Silver	0.2	0.2	100	70	130	
Thallium	2.3	2	115	70	130	
Tin	2	2	100	70	130	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: NITRATE_0605-061813

Approved By: VDESHMUKH **On** 06/20/2013 07:28 **Status:** R **Test:** USEPA 350.1
Created By: RSHESKY **ELIMS Analysis:** Nitrate **Surrogate:**
Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BSPK	BLKSPK_PR	BSPK258285-BL-1 \ 2	NO3-SPK	258285-BL		
2	IPC	IPC_PR	258305-IPC-1	NO3-IPC	258305-IPC		
3	BL	BLANK_CHECK	258285-BL-1 \ 1		258285-BL		
4	QCS	QCS_PR	258325-QCS-1	NO3-QCS	258325-QCS		
5	BL	BLANK_CHECK	258286-BL-1		258286-BL		
6	IPC	IPC_PR	258306-IPC-1	NO3-IPC	258306-IPC		
45	CCV	CCV_PR	258327-CCV-1	NO3-CCV	258327-CCV		
46	BL	BLANK_CHECK	258289-BL-1		258289-BL		
47	IPC	IPC_PR	258309-IPC-1	NO3-IPC	258309-IPC		
56	153366	SAMPLE	153366-(WAT)-1		153366-(WAT)		Monitoring Well
57	153367	SAMPLE	153367-(WAT)-1		153367-(WAT)		Monitoring Well
58	153368	SAMPLE	153368-(WAT)-1		153368-(WAT)		Monitoring Well
59	BL	BLANK_CHECK	258290-BL-1		258290-BL		
60	IPC	IPC_PR	258310-IPC-1	NO3-IPC	258310-IPC		
61	153369	SAMPLE	153369-(WAT)-1		153369-(WAT)		Etown C+DD Wa
64	153371	SAMPLE	153371-(WAT)-1		153371-(WAT)	FB	Field Blank
72	BL	BLANK_CHECK	258291-BL-1		258291-BL		
73	IPC	IPC_PR	258311-IPC-1	NO3-IPC	258311-IPC		

Comments:

OhioEPA

Division of Environmental Services
Continues Calibration Verification Report

CCV:	258327-CCV-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 11:04	**Analyst:**	RSHESKY

Analyte	CCV	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.31	5	106	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	258285-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 09:02	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.05	0.1	

Blank:	258286-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 10:17	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.06	0.1	

Blank:	258289-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 11:04	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.05	0.1	

Blank:	258290-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 11:26	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.04	0.1	

Blank:	258291-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 11:38	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.04	0.1	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	258305-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 09:02	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.27	5	105	90	110	

IPC:	258306-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 10:17	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.23	5	105	90	110	

IPC:	258309-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 11:04	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.22	5	104	90	110	

IPC:	258310-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 11:26	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.45	5	109	90	110	

IPC:	258311-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 11:38	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.3	5	106	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	258325-QCS-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0605-061813	**Units:**	mg/L
Analysis Date:	06/18/2013 09:02	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	2.91	2.74	106	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	258285-BL-1	**Analysis Date:**	06/18/2013 09:02	**Test:**	USEPA 350.1
LFB:	BSPK258285-BL-1	**Analysis Date:**	06/18/2013 09:02	**Units:**	mg/L
Batch:	NITRATE_0605-061813	**Analyst:**	RSHESKY	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite		<0.10	2.59	2.5	102	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: NITRATE_0607-062113

Approved By: VDESHMUKH **On** 06/24/2013 12:44 **Status:** R **Test:** USEPA 350.1
Created By: RSHESKY **ELIMS Analysis:** Nitrate **Surrogate:**
Analyst: RSHESKY **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	CCV	CCV_PR	259233-CCV-1	NO3-CCV	259233-CCV		
2	IPC	IPC_PR	259234-IPC-1	NO3-IPC	259234-IPC		
3	BL	BLANK_CHECK	259250-BL-1 \ 1		259250-BL		
4	QCS	QCS_PR	259266-QCS-1	NO3-QCS	259266-QCS		
5	BL	BLANK_CHECK	259251-BL-1		259251-BL		
6	IPC	IPC_PR	259235-IPC-1	NO3-IPC	259235-IPC		
7	BL	BLANK_CHECK	259252-BL-1		259252-BL		
8	IPC	IPC_PR	259236-IPC-1	NO3-IPC	259236-IPC		
91	BL	BLANK_CHECK	259261-BL-1		259261-BL		
92	IPC	IPC_PR	259245-IPC-1	NO3-IPC	259245-IPC		
101	153365	SAMPLE	153365-(WAT)-1		153365-(WAT)	FD	Monitoring Well
102	153370	SAMPLE	153370-(WAT)-1		153370-(WAT)	FD	Field Duplicate (
103	BL	BLANK_CHECK	259262-BL-1		259262-BL		
104	IPC	IPC_PR	259246-IPC-1	NO3-IPC	259246-IPC		

Comments:

OhioEPA

Division of Environmental Services
Continues Calibration Verification Report

CCV:	259233-CCV-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:25	**Analyst:**	RSHESKY

Analyte	CCV	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	4.88	5	98	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	259250-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:25	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.06	0.1	

Blank:	259251-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:48	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.07	0.1	

Blank:	259252-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:56	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.07	0.1	

Blank:	259261-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 15:47	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.06	0.1	

Blank:	259262-BL-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 16:01	**Analyst:**	RSHESKY

Analyte	Result	RL	Qualifier
Nitrate+nitrite	0.06	0.1	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	259234-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:25	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.13	5	103	90	110	

IPC:	259235-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:48	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.07	5	101	90	110	

IPC:	259236-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:56	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.21	5	104	90	110	

IPC:	259245-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 15:47	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.09	5	102	90	110	

IPC:	259246-IPC-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 16:01	**Analyst:**	RSHESKY

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	5.01	5	100	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	259266-QCS-1	**Test:**	USEPA 350.1
Batch:	NITRATE_0607-062113	**Units:**	mg/L
Analysis Date:	06/20/2013 11:25	**Analyst:**	RSHESKY

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Nitrate+nitrite	2.81	2.74	103	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: PH_0732-061113

Approved By: VDESHMUKH **On** 06/12/2013 10:44 **Status:** R **Test:** USEPA 150.1

Created By: JALLEN **ELIMS Analysis:** pH **Surrogate:**

Analyst: JALLEN **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QPH7	QPH7_CHK	256376-QPH7-1		256376-QPH7		
2	QPH4	QPH4_CHK	256377-QPH4-1		256377-QPH4		
7	QPH7	QPH7_CHK	256375-QPH7-1		256375-QPH7		
8	153365	SAMPLE	153365-(WAT)-3 \ 1		153365-(WAT)	FD	Monitoring Well
9	DUPD	DIFF	DUPD153365-(WAT)-3 \ 2		153365-(WAT)	FD	Monitoring Well
10	153366	SAMPLE	153366-(WAT)-3		153366-(WAT)		Monitoring Well
11	153367	SAMPLE	153367-(WAT)-3		153367-(WAT)		Monitoring Well
12	153368	SAMPLE	153368-(WAT)-3		153368-(WAT)		Monitoring Well
13	153369	SAMPLE	153369-(WAT)-3		153369-(WAT)		Etown C+DD Wa
14	153370	SAMPLE	153370-(WAT)-3		153370-(WAT)	FD	Field Duplicate (
15	153371	SAMPLE	153371-(WAT)-3		153371-(WAT)	FB	Field Blank
16	QPH7	QPH7_CHK	256538-QPH7-1		256538-QPH7		

Comments:

OhioEPA Division of Environmental Services
QC pH7 Report

pH7:	256376-QPH7-1	**Test:**	USEPA 150.1
Batch:	PH_0732-061113	**Units:**	s.u.
Analysis Date:	06/11/2013 09:34	**Analyst:**	JALLEN

Analyte	pH7	QC Limits		Qualifier
pH	7	6.95	7.05	

pH7:	256375-QPH7-1	**Test:**	USEPA 150.1
Batch:	PH_0732-061113	**Units:**	s.u.
Analysis Date:	06/11/2013 09:34	**Analyst:**	JALLEN

Analyte	pH7	QC Limits		Qualifier
pH	7.01	6.95	7.05	

pH7:	256538-QPH7-1	**Test:**	USEPA 150.1
Batch:	PH_0732-061113	**Units:**	s.u.
Analysis Date:	06/11/2013 16:35	**Analyst:**	JALLEN

Analyte	pH7	QC Limits		Qualifier
pH	7.02	6.95	7.05	

* Outside acceptance limits

OhioEPA Division of Environmental Services
QC pH4 Report

pH4:	256377-QPH4-1	**Test:**	USEPA 150.1
Batch:	PH_0732-061113	**Units:**	s.u.
Analysis Date:	06/11/2013 09:34	**Analyst:**	JALLEN

Analyte	pH2	QC Limits		Qualifier
pH	3.99	3.95	4.05	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	153365-(WAT)-3	**Analysis Date:**	06/11/2013 16:35	**Test:**	USEPA 150.1
Duplicate 2:	DUPD153365-(WAT)-3 \	**Analysis Date:**	06/11/2013 16:35	**Units:**	s.u.
Batch:	PH_0732-061113	**Analyst:**	JALLEN	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	Difference	QC Limits		Qualifier
pH		6.85	6.88	0.03	0	0.14	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: SO4_0995-061213

Approved By: VDESHMUKH **On** 06/13/2013 11:17 **Status:** R **Test:** USEPA 375.2
Created By: CRHINOCK **ELIMS Analysis:** Sulfate **Surrogate:**
Analyst: CRHINOCK **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	256768-BL-1 \ 1		256768-BL		
2	IPC	IPC_PR	256787-IPC-1	SO4-SPK	256787-IPC		
3	BSPK	BLKSPK_PR	BSPK256768-BL-1 \ 2	SO4-SPK	256768-BL		
4	QCS	QCS_PR	256804-QCS-1	SO4-QCS	256804-QCS		
5	BL	BLANK_CHECK	256769-BL-1		256769-BL		
6	IPC	IPC_PR	256788-IPC-1	SO4-SPK	256788-IPC		
10	153366	SAMPLE	153366-(WAT)-3		153366-(WAT)		Monitoring Well
11	153367	SAMPLE	153367-(WAT)-3		153367-(WAT)		Monitoring Well
12	153368	SAMPLE	153368-(WAT)-3		153368-(WAT)		Monitoring Well
13	153369	SAMPLE	153369-(WAT)-3		153369-(WAT)		Etown C+DD Wa
14	BL	BLANK_CHECK	256770-BL-1		256770-BL		
15	IPC	IPC_PR	256789-IPC-1	SO4-SPK	256789-IPC		
18	BL	BLANK_CHECK	256771-BL-1		256771-BL		
19	IPC	IPC_PR	256790-IPC-1	SO4-SPK	256790-IPC		
20	153365	SAMPLE	153365-(WAT)-3		153365-(WAT)	FD	Monitoring Well
21	BL	BLANK_CHECK	256772-BL-1		256772-BL		
22	IPC	IPC_PR	256791-IPC-1	SO4-SPK	256791-IPC		
23	153371	SAMPLE	153371-(WAT)-3		153371-(WAT)	FB	Field Blank
24	153370	SAMPLE	153370-(WAT)-3		153370-(WAT)	FD	Field Duplicate (
25	BL	BLANK_CHECK	256773-BL-1		256773-BL		
26	IPC	IPC_PR	256792-IPC-1	SO4-SPK	256792-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	256768-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:23	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.2	10	

Blank:	256769-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:32	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.7	10	

Blank:	256770-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:39	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.5	10	

Blank:	256771-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:42	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.7	10	

Blank:	256772-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:45	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.8	10	

Blank:	256773-BL-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:50	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Sulfate	-1.6	10	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	256787-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:23	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	100	100	100	90	110	

IPC:	256788-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:32	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	100	100	100	90	110	

IPC:	256789-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:39	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	100	100	100	90	110	

IPC:	256790-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:42	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	100	100	100	90	110	

IPC:	256791-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:45	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	99.8	100	100	90	110	

IPC:	256792-IPC-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:50	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	100	100	100	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	256804-QCS-1	**Test:**	USEPA 375.2
Batch:	SO4_0995-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 07:23	**Analyst:**	CRHINOCK

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Sulfate	35.9	36	100	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	256768-BL-1	**Analysis Date:**	06/12/2013 07:23	**Test:**	USEPA 375.2
LFB:	BSPK256768-BL-1	**Analysis Date:**	06/12/2013 07:23	**Units:**	mg/L
Batch:	SO4_0995-061213	**Analyst:**	CRHINOCK	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Sulfate		<10.0	96.1	100	97	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: TDS_1267-061213

Approved By: VDESHMUKH **On** 06/13/2013 10:52 **Status:** R **Test:** SM 2540C
Created By: GDAVIS **ELIMS Analysis:** Solids_Diss **Surrogate:**
Analyst: GDAVIS **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	BL	BLANK_CHECK	256635-BL-1		256635-BL		
2	QCS	QCS_PR	256637-QCS-1	TDS-QCS	256637-QCS		
45	153365	SAMPLE	153365-(WAT)-3		153365-(WAT)	FD	Monitoring Well
46	153366	SAMPLE	153366-(WAT)-3		153366-(WAT)		Monitoring Well
47	153367	SAMPLE	153367-(WAT)-3 \ 1		153367-(WAT)		Monitoring Well
48	DUP	RPD	DUP153367-(WAT)-3 \ 2		153367-(WAT)		Monitoring Well
49	153368	SAMPLE	153368-(WAT)-3		153368-(WAT)		Monitoring Well
50	153369	SAMPLE	153369-(WAT)-3		153369-(WAT)		Etown C+DD Wa
51	153370	SAMPLE	153370-(WAT)-3		153370-(WAT)	FD	Field Duplicate (
52	153371	SAMPLE	153371-(WAT)-3		153371-(WAT)	FB	Field Blank
61	QCS	QCS_PR	256638-QCS-1	TDS-QCS	256638-QCS		
62	BL	BLANK_CHECK	256636-BL-1		256636-BL		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	256635-BL-1	**Test:**	SM 2540C
Batch:	TDS_1267-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 00:00	**Analyst:**	GDAVIS

Analyte	Result	RL	Qualifier
Total Dissolved Solids	-2	10	

Blank:	256636-BL-1	**Test:**	SM 2540C
Batch:	TDS_1267-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 00:00	**Analyst:**	GDAVIS

Analyte	Result	RL	Qualifier
Total Dissolved Solids	0	10	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Duplicate Report

Duplicate 1:	153367-(WAT)-3	**Analysis Date:**	06/12/2013 00:00	**Test:**	SM 2540C
Duplicate 2:	DUP153367-(WAT)-3 \ 2	**Analysis Date:**	06/12/2013 00:00	**Units:**	mg/L
Batch:	TDS_1267-061213	**Analyst:**	GDAVIS	**Matrix:**	GW

Analyte	Matrix	Duplicate 1	Duplicate 2	RPD (%)	QC Limits (%)	Qualifier
Total Dissolved Solids		748	748	0	0	5

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	256637-QCS-1	**Test:**	SM 2540C
Batch:	TDS_1267-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 00:00	**Analyst:**	GDAVIS

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Dissolved Solids	212	212	100	90	110	

QCS:	256638-QCS-1	**Test:**	SM 2540C
Batch:	TDS_1267-061213	**Units:**	mg/L
Analysis Date:	06/12/2013 00:00	**Analyst:**	GDAVIS

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Dissolved Solids	212	212	100	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Batch Report

Batch: TP_0692-061613

Approved By: VDESHMUKH **On** 06/20/2013 09:02 **Status:** R **Test:** USEPA 365.4
Created By: CRHINOCK **ELIMS Analysis:** TP **Surrogate:**
Analyst: CRHINOCK **Batch Type:** INSTRUMENT **Sur. Dilution:** 0

Slot	ID	Calculation	Aliquot	Stock	Sample	Field QC	Location
1	QCS	QCS_PR	257808-QCS-1	TP-QCS	257808-QCS		
2	LFB	LFB_CHK2	LFB257809-BLG-1 \ 2	TP-SPK	257809-BLG		
3	BLG	BLANK_DIG_CHK	257809-BLG-1 \ 1		257809-BLG		
4	IPC	IPC_PR	257810-IPC-1	TP-SPK	257810-IPC		
5	BL	BLANK_CHECK	257826-BL-1		257826-BL		
6	IPC	IPC_PR	257811-IPC-1	TP-SPK	257811-IPC		
55	BL	BLANK_CHECK	257831-BL-1		257831-BL		
56	IPC	IPC_PR	257816-IPC-1	TP-SPK	257816-IPC		
57	153365	SAMPLE	153365-(WAT)-1		153365-(WAT)	FD	Monitoring Well
58	153366	SAMPLE	153366-(WAT)-1		153366-(WAT)		Monitoring Well
59	BL	BLANK_CHECK	257832-BL-1		257832-BL		
60	IPC	IPC_PR	257817-IPC-1	TP-SPK	257817-IPC		
61	BL	BLANK_CHECK	257833-BL-1		257833-BL		
62	IPC	IPC_PR	257818-IPC-1	TP-SPK	257818-IPC		
63	153367	SAMPLE	153367-(WAT)-1		153367-(WAT)		Monitoring Well
64	153368	SAMPLE	153368-(WAT)-1		153368-(WAT)		Monitoring Well
65	153369	SAMPLE	153369-(WAT)-1		153369-(WAT)		Etown C+DD Wa
66	153370	SAMPLE	153370-(WAT)-1		153370-(WAT)	FD	Field Duplicate (
67	153371	SAMPLE	153371-(WAT)-1		153371-(WAT)	FB	Field Blank
72	BL	BLANK_CHECK	257834-BL-1		257834-BL		
73	IPC	IPC_PR	257819-IPC-1	TP-SPK	257819-IPC		

Comments:

OhioEPA Division of Environmental Services
Method Blank Report

Blank:	257826-BL-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 07:53	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Total Phosphorus	0.007	0.01	

Blank:	257831-BL-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 09:33	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Total Phosphorus	0.005	0.01	

Blank:	257832-BL-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 09:39	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Total Phosphorus	0.005	0.01	

Blank:	257833-BL-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 10:11	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Total Phosphorus	0.005	0.01	

Blank:	257834-BL-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 10:20	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Total Phosphorus	0.004	0.01	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Lab Fortified Blank

Blank:	257809-BLG-1	**Analysis Date:**	06/17/2013 07:23	**Test:**	USEPA 365.4
LFB:	LFB257809-BLG-1	**Analysis Date:**	06/17/2013 07:23	**Units:**	mg/L
Batch:	TP_0692-061613	**Analyst:**	CRHINOCK	**Matrix:**	

Analyte	Matrix	Blank Result	LFB Result	Spike Value	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus		<0.010	0.489	0.5	97	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Digested Blank Report

Blank:	257809-BLG-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 07:23	**Analyst:**	CRHINOCK

Analyte	Result	RL	Qualifier
Total Phosphorus	<0.010	0.01	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Instrument Performance Check

IPC:	257810-IPC-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 07:23	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.505	0.5	101	90	110	

IPC:	257811-IPC-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 07:53	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.507	0.5	101	90	110	

IPC:	257816-IPC-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 09:33	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.511	0.5	102	90	110	

IPC:	257817-IPC-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 09:39	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.508	0.5	102	90	110	

IPC:	257818-IPC-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 10:11	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.496	0.5	99	90	110	

IPC:	257819-IPC-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 10:20	**Analyst:**	CRHINOCK

Analyte	IPC	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.498	0.5	100	90	110	

* Outside acceptance limits

OhioEPA Division of Environmental Services
Quality Control Sample Report

QCS:	257808-QCS-1	**Test:**	USEPA 365.4
Batch:	TP_0692-061613	**Units:**	mg/L
Analysis Date:	06/17/2013 07:23	**Analyst:**	CRHINOCK

Analyte	QCS	Stock	Rec (%)	QC Limits (%)		Qualifier
Total Phosphorus	0.394	0.474	83	80	120	

* Outside acceptance limits

Ohio Environmental Protection Agency

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only
Sample #
MM DD YY
Date Received / /

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM

Project Identity Etown C&DD
(project identity **requires prior approval**)

No Folder ○

Division(check one)		**OEPA District**(check one)	
DAPC	○	CO	✓
DDAGW	✓	CDO	○
DERR	○	NEDO	○
DHWM	○	NWDO	○
DSW	○	SEDO	○
DSIWM	○	SWDO	○
Other		Other	

Sample Type(check one)		**Matrix**(check one)	
Ambient	○	Air Filter	○
Complaint	○	Drinking water	○
Compliance	○	Ground water	✓
Litigation	✓	Sediment	○
Survey	○	Surface water	○
Raw	○ } DW only	Waste water	○
Plant	○ } DW only	Reagent Water	○
Distribution	○ } DW only	Other	
Other			

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	06	10	13	15	47
(or)					
Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)
Field Duplicate ✓
Field/Equip/Acid Blank ○
MSD ○

Collected By S.Churchill

Customer ID #

Station ID # MW-1S

Sample Location
Monitoring Well W-1S

County: Hamilton

Template

Demand
- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients
- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology
- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.
- ○ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------
- ○ ------

Metals (Please select one ICP AND one ICPMS package if needed)
- ○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)

- ○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages
- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------
- ✓ ------ Boron
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------
- ○ ------

✓ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:
- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	ORP	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	TDS	Corr.Cond, umho/cm
P50060	P94	P299		P61	P65	P400		P10		P94

OhioEPA *Division of Environmental Services*

Organic Sample Submission Form

DW Certification #4105

W-1S

DES Use Only	
Sample #	
Date Received	MM / DD / YY

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM

Division(check one)		OEPA District(check one)	
DAPC	○	CO	✓
DDAGW	✓	CDO	○
DERR	○	NEDO	○
DHWM	○	NWDO	○
DSW	○	SEDO	○
DSIWM	○	SWDO	○
Other		Other	

Sample Type(check one)		Matrix(check one)	
Ambient	○	Air Canister	○
Complaint	○	Drinking water	○
Compliance	○	Ground water	✓
Litigation	✓	Oil Wipe	○
NPS	○	Sediment	○
Survey	○	Soil	○
Raw	○	Surface water	○
Plant	○	Waste water	○
Distribution	○	Reagent water	○
Other		Other	

DW only

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	06	10	13	15	47
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504	$Na_2S_2O_3$
	Vial, 505	$Na_2S_2O_3$
	Jar, Oil Wipe	
	Encore Sampler	

Field QC (Check one)

Field Duplicate	✓
Field/Equip/Acid Blank	○
Trip Blank	✓
MSD -SVOCs only	✓

Collected By S. Churchill

Customer ID #

Referred By

Station ID # W-1S

Sample Location

Monitoring Well W-1S
Etown C+DD

County: Hamilton

Parameters

Template

○ ----- % Solids, Sed only

Volatiles

○ ----- VOC, 524.2 } Drinking Water Analysis
○ ----- VOC, 624 } Waste Water Analysis
✓ ----- VOC, 8260 } SW846 Analysis

Semivolatiles / Herbicides

○ ----- Cyanazine, 525.2
○ ----- Herbicides, 525.2
} Drinking Water Analysis

○ ----- BNA, 625
○ ----- BN (PAHs) only, 625
○ ----- Acids (Phenols) only, 625
} Waste Water Analysis

○ ----- BNA, 8270
✓ ----- BN (PAHs) only, 8270
○ ----- Acids (Phenols) only, 8270
} SW846 Analysis

○ ----- SAS-305
○ ----- SAS-310

Pesticides / PCBs / Herbicides

○ ----- Pesticides. 505
○ ----- PCBs, 508 (508A)
○ ----- Chlordane, 505
○ ----- Toxaphene, 505
○ ----- EDB/DBCP, 504
○ ----- Acid Herbicides, 515
} Drinking Water Analysis

○ ----- Pesticides, 608
○ ----- PCBs, 608
Chlordane, 608
○ ----- Toxaphene, 608
} Waste Water Analysis

○ -----

○ ----- Pesticides, 8081
○ ----- Chlordane, 8081
○ ----- Toxaphene, 8081
○ ----- PCBs, 8082
○ ----- PCBs, Oil Wipe
} SW846 Analysis

Air Canister

○ ----- TO-14A
○ ----- Canister Cleaning, Only
} Air Analysis

Other

○ -----
○ -----
○ -----
○ -----
○ -----

Field Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr. Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

Lab Comments

Remove yellow copy of form for your records prior to submitting form to DES

All Rush Samples require prior approval

Ohio | **Environmental Protection Agency**

DES Use Only
Sample # _____
MM DD YY
Date Received ___/___/___

Inorganic Sample Submission Form
DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM
Project Identity E town C&DD
(project identity **requires prior approval**)
No Folder ○

Division(check one)		**OEPA District**(check one)	
DAPC	○	CO	✓
DDAGW	✓	CDO	○
DERR	○	NEDO	○
DHWM	○	NWDO	○
DSW	○	SEDO	○
DSIWM	○	SWDO	○
Other		Other	

Sample Type(check one)		**Matrix**(check one)	
Ambient	○	Air Filter	○
Complaint	○	Drinking water	○
Compliance	○	Ground water	✓
Litigation	✓	Sediment	○
Survey	○	Surface water	○
Raw	○	Waste water	○
Plant	○ } DW only	Reagent Water	○
Distribution	○	Other	
Other			

Collection Date MM DD YY HH MM
Grab ✓ 06 / 17 / 13 10 / 21
(or)
Composite ○ Begin ___/___/___ ___/___
End ___/___/___ ___/___
Frequency & Duration of Composite Sample:

Container Information		
Qty.	**Type**	**Pres.**
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)
Field Duplicate ○
Field/Equip/Acid Blank ○
MSD ○

Collected By S. Churchill

Customer ID # _____

Station ID # W-2s

Sample Location
Mont. well W-2s

County: Hamilton

Template _____

Demand
- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients
- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology
- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.
- ○ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------ _____
- ○ ------ _____

Metals (Please select one ICP AND one ICPMS package if needed)
- ○ ------ **ICP 1,** *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2,** *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3,** *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4,** *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5,** *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6,** *Air Filters only*(Zn,Mn)
- ○ ------ **ICPMS 1,** *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2,** *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3,** *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4,** *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5,** *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages
- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------ _____
- ✓ ------ Boron
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------ _____
- ○ ------ _____

✓ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:
- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	ORP	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	TDS	Corr.Cond, umho/cm
P50060	P94	P299		P61	P65	P400		P10		P94

White-Original(DES) Green-DES Yellow-Field Records

Remove yellow copy of form for your records prior to submitting form to DES

All Rush Samples require prior approval

Ohio | **Environmental Protection Agency**

DES Use Only
Sample # _____
MM DD YY
Date Received ___/___/___

Organic Sample Submission Form

DW Certification #4105

W-2s

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM

Project Identity Etown C&DD
(project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ○
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ○
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ○
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ○
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ☑	06	11	13	10	21
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ○
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # _____

Station ID # W-2s

Sample Location

Mont. Well W-2s

County: Hamilton

Parameters

Template _____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ☑ ------ VOC, 8260 } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, TICs } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs
- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Carbamates, 531.1 } Drinking Water Analysis
- ○ ------ Glyphosate, 547 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- ○ ------ Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

Remove yellow copy of form for your records prior to submitting form to DES

Ohio Environmental Protection Agency

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only

Sample # _____

Date Received MM ___ / DD ___ / YY ___

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM

Project Identity E-town C&DD

(project identity **requires prior approval**)

No Folder ○

Division(check one)		**OEPA District**(check one)	
DAPC	○	CO	✓
DDAGW	✓	CDO	○
DERR	○	NEDO	○
DHWM	○	NWDO	○
DSW	○	SEDO	○
DSIWM	○	SWDO	○
Other		Other	

Sample Type(check one)		**Matrix**(check one)	
Ambient	○	Air Filter	○
Complaint	○	Drinking water	○
Compliance	○	Ground water	✓
Litigation	✓	Sediment	○
Survey	○	Surface water	○
Raw	○	Waste water	○
Plant	○ DW only	Reagent Water	○
Distribution	○	Other	
Other			

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	06	11	13	09	05
(or)					
Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
MSD	○

Collected By S. Churchill

Customer ID # _____

Station ID # W-5s

Sample Location

Mont. Well W-5s

County: Hamilton

Template _____

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ○ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------ _____
- ○ ------ _____

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1,** *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2,** *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3,** *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4,** *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5,** *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6,** *Air Filters only*(Zn,Mn)
- ○ ------ **ICPMS 1,** *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2,** *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3,** *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4,** *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5,** *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------ _____
- ✓ ------ Boron
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------ _____
- ○ ------ _____

✓ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	ORP	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	TDS	Corr.Cond, umho/cm
P50060	P94	P299		P61	P65	P400		P10		P94

EPA 4709 (1/09) E-town C&DD White-Original(DES) Green-DES Yellow-Field Records

Remove yellow copy of form for your records prior to submitting form to DES

All Rush Samples require prior approval

Ohio Environmental Protection Agency

DES Use Only
Sample #_____
MM DD YY
Date Received ___/___/___

Organic Sample Submission Form

DW Certification #4105

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM

Project Identity Etown C+DD
(project identity **requires prior approval**)

No Folder ○

Division(check one)
- DAPC ○
- DDAGW ✓
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ✓
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ✓
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ✓
- Sediment ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ✓ (or)	06	11	13	09	05
Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ○
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # _____

Station ID # W-5s

County: Hamilton

Sample Location

Mont. Well W-5s

Parameters

Template _____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ✓ ------ VOC, 8260 } SW846 Analysis
- ○ ------ VOC, TICs

Semivolatiles / Herbicides *See Back for Note
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, TICs } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BNA, TICs
- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides. 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Carbamates, 531.1 } Drinking Water Analysis
- ○ ------ Glyphosate, 547 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- ○ ------ Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

Remove yellow copy of form for your records prior to submitting form to DES

Ohio Environmental Protection Agency

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only
Sample #_____
Date Received MM / DD / YY

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM
Project Identity Etown C&DD
(project identity **requires prior approval**)
No Folder ○

Division(check one)
DAPC ○
DDAGW ✓
DERR ○
DHWM ○
DSW ○
DSIWM ○
Other _____

OEPA District(check one)
CO ✓
CDO ○
NEDO ○
NWDO ○
SEDO ○
SWDO ○
Other _____

Sample Type(check one)
Ambient ○
Complaint ○
Compliance ○
Litigation ✓
Survey ○
Raw ○
Plant ○ } DW only
Distribution ○
Other _____

Matrix(check one)
Air Filter ○
Drinking water ○
Ground water ✓
Sediment ○
Surface water ○
Waste water ○
Reagent Water ○
Other _____

Collection Date
Grab ✓ MM 06 / DD 11 / YY 13 HH MM 07/59
(or)
Composite ○ Begin / / / /
End / / / /
Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)
Field Duplicate ○
Field/Equip/Acid Blank FB ✓
MSD ○

Collected By S. Churchill

Customer ID # _____

Station ID # W-6

County: Hamilton

Sample Location
Mont. Well W-6

Template _____

Demand
○ ------ % Solids, *Sed only*
○ ------ BOD-20 day
○ ------ BOD-5 day
○ ------ CBOD-20 day
○ ------ CBOD-5 day
○ ------ Oil&Grease
○ ------ Particle Size (PSD)
✓ ------ pH
✓ ------ Solids_Diss(filt)
○ ------ Solids_Suspd(nonfilt)
○ ------ Solids_Total
○ ------ Solids_Total Volatile
○ ------ TOC

Nutrients
○ ------ Acidity,Total $CaCO_3$
○ ------ AlkalinityTotal $CaCO_3$
✓ ------ Ammonia
✓ ------ Bicarbonate
✓ ------ Chloride
✓ ------ COD
○ ------ Conductivity
✓ ------ Cyanide_Free (WAD)
○ ------ Cyanide_Total
○ ------ Fluoride
○ ------ Nitrite
✓ ------ Nitrate+nitrite
○ ------ Orthophosphate, Dissolved
○ ------ Phenolics, Total w/man dist.
○ ------ Phosphorus, Dissolved (Filt)
✓ ------ Phosphorous, Total
✓ ------ Sulfate
○ ------ TKN

Microbiology
○ ------ E. coli
○ ------ Fecal Coliform
○ ------ Fecal Streptococcus
○ ------ MMO-MUG

Misc.
○ ------ Turbidity
○ ------ Chlorophyll_a (see back #11)
○ ------ _____
○ ------ _____

Metals (Please select one ICP AND one ICPMS package if needed)
○ ------ **ICP 1,** *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
○ ------ **ICP 2,** *Water only*(Ca,Mg,Hardness)
○ ------ **ICP 3,** *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
✓ ------ **ICP 4,** *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
○ ------ **ICP 5,** *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
○ ------ **ICP 6,** *Air Filters only*(Zn,Mn)

○ ------ **ICPMS 1,** *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
○ ------ **ICPMS 2,** *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
○ ------ **ICPMS 3,** *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
✓ ------ **ICPMS 4,** *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
○ ------ **ICPMS 5,** *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages
✓ ------ Antimony
○ ------ Beryllium
○ ------ Cobalt
✓ ------ Silver
○ ------ _____
✓ ------ Boron
✓ ------ Thallium
○ ------ Tin
○ ------ Titanium
○ ------ Vanadium
○ ------ _____
○ ------ _____

✓ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:
✓ ------ Mercury
○ ------ Chromium, Hexavalent (N/P_Filt)
○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	ORP	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	TDS	Corr.Cond, umho/cm
P50060	P94	P299		P61	P65	P400		P10		P94

White-Original(DES) Green-DES Yellow-Field Records

Remove yellow copy of form for your records prior to submitting form to DES

All Bush Samples require prior approval

OhioEPA *Division of Environmental Services*

Organic Sample Submission Form

DW Certification #4105

DES Use Only
Sample # _____
Date Received MM / DD / YY

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM

Division(check one)
- DAPC ○
- DDAGW ⊘
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ⊘
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ⊘
- NPS ○
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ⊘
- Oil Wipe ○
- Sediment ○
- Soil ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ⊘	06	11	13	07	50
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504	$Na_2S_2O_3$
	Vial, 505	$Na_2S_2O_3$
	Jar, Oil Wipe	
	Encore Sampler	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank FB ⊘
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # _____

Referred By _____

Station ID # W-6

County: Hamilton

Sample Location

Mont. Well W-6

Parameters

Template _____

- ○ ----- % Solids, Sed only

Volatiles
- ○ ----- VOC, 524.2 } Drinking Water Analysis
- ○ ----- VOC, 624 } Waste Water Analysis
- ⊘ ----- VOC, 8260 } SW846 Analysis

Semivolatiles / Herbicides
- ○ ----- Cyanazine, 525.2 } Drinking Water Analysis
- ○ ----- Herbicides, 525.2 } Drinking Water Analysis
- ○ ----- BNA, 625 } Waste Water Analysis
- ○ ----- BN (PAHs) only, 625 } Waste Water Analysis
- ○ ----- Acids (Phenols) only, 625 } Waste Water Analysis
- ○ ----- BNA, 8270 } SW846 Analysis
- ○ ----- BN (PAHs) only, 8270 } SW846 Analysis
- ○ ----- Acids (Phenols) only, 8270 } SW846 Analysis
- ○ ----- SAS-305
- ○ ----- SAS-310

Pesticides / PCBs / Herbicides
- ○ ----- Pesticides. 505 } Drinking Water Analysis
- ○ ----- PCBs, 508 (508A) } Drinking Water Analysis
- ○ ----- Chlordane, 505 } Drinking Water Analysis
- ○ ----- Toxaphene, 505 } Drinking Water Analysis
- ○ ----- EDB/DBCP, 504 } Drinking Water Analysis
- ○ ----- Acid Herbicides, 515 } Drinking Water Analysis
- ○ ----- Pesticides, 608 } Waste Water Analysis
- ○ ----- PCBs, 608 } Waste Water Analysis
- Chlordane, 608 } Waste Water Analysis
- ○ ----- Toxaphene, 608 } Waste Water Analysis
- ○ ----- } SW846 Analysis
- ○ ----- Pesticides, 8081 } SW846 Analysis
- ○ ----- Chlordane, 8081 } SW846 Analysis
- ○ ----- Toxaphene, 8081 } SW846 Analysis
- ○ ----- PCBs, 8082 } SW846 Analysis
- ○ ----- PCBs, Oil Wipe } SW846 Analysis

Air Canister
- ○ ----- TO-14A } Air Analysis
- ○ ----- Canister Cleaning, Only } Air Analysis

Other
- ○ ----- _____
- ○ ----- _____
- ○ ----- _____
- ○ ----- _____
- ○ ----- _____

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr. Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

White-Original(DES) Green-DES Yellow-Field Records

Remove yellow copy of form for your records prior to submitting form to DES

All Rush Samples require prior approval

Ohio Environmental Protection Agency

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only
Sample #
MM DD YY
Date Received / /

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM
Project Identity Etown C+DD
(project identity **requires prior approval**)
No Folder ○

Division(check one)
DAPC ○
DDAGW ✓
DERR ○
DHWM ○
DSW ○
DSIWM ○
Other

OEPA District(check one)
CO ✓
CDO ○
NEDO ○
NWDO ○
SEDO ○
SWDO ○
Other

Sample Type(check one)
Ambient ○
Complaint ○
Compliance ○
Litigation ✓
Survey ○
Raw ○
Plant ○ } DW only
Distribution ○
Other

Matrix(check one)
Air Filter ○
Drinking water ○
Ground water ✓
Sediment ○
Surface water ○
Waste water ○
Reagent Water ○
Other

Collection Date
Grab ✓ MM 06 DD 10 YY 13 HH 13 MM 39
(or)
Composite ○ Begin / / / /
End / / / /
Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)
Field Duplicate ○
Field/Equip/Acid Blank ○
MSD ○

Collected By S. Churchill

Customer ID #

Station ID # Etown Water Supply Well

Sample Location
Etown C+DD Water Supply Well

County: Hamilton

Template

Demand
○ ------ % Solids, *Sed only*
○ ------ BOD-20 day
○ ------ BOD-5 day
○ ------ CBOD-20 day
○ ------ CBOD-5 day
○ ------ Oil&Grease
○ ------ Particle Size (PSD)
✓ ------ pH
✓ ------ Solids_Diss(filt)
○ ------ Solids_Suspd(nonfilt)
○ ------ Solids_Total
○ ------ Solids_Total Volatile
○ ------ TOC

Nutrients
○ ------ Acidity,Total $CaCO_3$
○ ------ AlkalinityTotal $CaCO_3$
✓ ------ Ammonia
✓ ------ Bicarbonate
✓ ------ Chloride
✓ ------ COD
○ ------ Conductivity
✓ ------ Cyanide_Free (WAD)
○ ------ Cyanide_Total
○ ------ Fluoride
○ ------ Nitrite
✓ ------ Nitrate+nitrite
○ ------ Orthophosphate, Dissolved
○ ------ Phenolics, Total w/man dist.
○ ------ Phosphorus, Dissolved (Filt)
✓ ------ Phosphorous, Total
✓ ------ Sulfate
○ ------ TKN

Microbiology
○ ------ E. coli
○ ------ Fecal Coliform
○ ------ Fecal Streptococcus
○ ------ MMO-MUG

Misc.
○ ------ Turbidity
○ ------ Chlorophyll_a (see back #11)
○ ------
○ ------

Metals (Please select one ICP AND one ICPMS package if needed)
○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
○ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)

○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
○ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages
✓ ------ Antimony
○ ------ Beryllium
○ ------ Cobalt
✓ ------ Silver
○ ------
✓ ------ Boron
✓ ------ Thallium
○ ------ Tin
○ ------ Titanium
○ ------ Vanadium
○ ------
○ ------

✓ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:
✓ ------ Mercury
○ ------ Chromium, Hexavalent (N/P_Filt)
○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	ORP	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	TDS	Corr.Cond, umho/cm
P50060	P94	P299		P61	P65	P400		P10		P94

Remove yellow copy of form for your records prior to submitting form to DES

OhioEPA *Division of Environmental Services*

Organic Sample Submission Form

DW Certification #4105

DES Use Only
Sample # _____
Date Received MM ___ / DD ___ / YY ___

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM

Division(check one)
- DAPC ○
- DDAGW ✓
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ✓
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ✓
- NPS ○
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ✓
- Oil Wipe ○
- Sediment ○
- Soil ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	06	10	13	13	39
(or)					
Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504	$Na_2S_2O_3$
	Vial, 505	$Na_2S_2O_3$
	Jar, Oil Wipe	
	Encore Sampler	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ✓ (Field Blank 2)
- Trip Blank ○
- MSD ○

Collected By S. Churchill

Customer ID # _____

Referred By _____

Station ID # Etown C+DD Water Supply Well

County: Hamilton

Sample Location

Etown C+DD Water Supply Well

Parameters

Template _____

- ○ ----- % Solids, Sed only

Volatiles
- ○ ----- VOC, 524.2 } Drinking Water Analysis
- ○ ----- VOC, 624 } Waste Water Analysis
- ✓ ----- VOC, 8260 } SW846 Analysis

Semivolatiles / Herbicides
- ○ ----- Cyanazine, 525.2 } Drinking Water Analysis
- ○ ----- Herbicides, 525.2 } Drinking Water Analysis
- ○ ----- BNA, 625 } Waste Water Analysis
- ○ ----- BN (PAHs) only, 625 } Waste Water Analysis
- ○ ----- Acids (Phenols) only, 625 } Waste Water Analysis
- ○ ----- BNA, 8270 } SW846 Analysis
- ○ ----- BN (PAHs) only, 8270 } SW846 Analysis
- ○ ----- Acids (Phenols) only, 8270 } SW846 Analysis
- ○ ----- SAS-305
- ○ ----- SAS-310

Pesticides / PCBs / Herbicides
- ○ ----- Pesticides. 505 } Drinking Water Analysis
- ○ ----- PCBs, 508 (508A) } Drinking Water Analysis
- ○ ----- Chlordane, 505 } Drinking Water Analysis
- ○ ----- Toxaphene, 505 } Drinking Water Analysis
- ○ ----- EDB/DBCP, 504 } Drinking Water Analysis
- ○ ----- Acid Herbicides, 515 } Drinking Water Analysis
- ○ ----- Pesticides, 608 } Waste Water Analysis
- ○ ----- PCBs, 608 } Waste Water Analysis
- ○ ----- Chlordane, 608 } Waste Water Analysis
- ○ ----- Toxaphene, 608 } Waste Water Analysis
- ○ -----
- ○ ----- Pesticides, 8081 } SW846 Analysis
- ○ ----- Chlordane, 8081 } SW846 Analysis
- ○ ----- Toxaphene, 8081 } SW846 Analysis
- ○ ----- PCBs, 8082 } SW846 Analysis
- ○ ----- PCBs, Oil Wipe } SW846 Analysis

Air Canister
- ○ ----- TO-14A } Air Analysis
- ○ ----- Canister Cleaning, Only } Air Analysis

Other
- ○ ----- _____
- ○ ----- _____
- ○ ----- _____
- ○ ----- _____
- ○ ----- _____

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr. Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

Remove yellow copy of form for your records prior to submitting form to DES

All Rush Samples require prior approval

Ohio Environmental Protection Agency

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only
Sample #_____
MM DD YY
Date Received ___/___/___

Sample Information (INSTRUCTIONS ON BACK) Parameters

Client (Bill to) DMWM
Project Identity E-town C&DD
(project identity **requires prior approval**)
No Folder ○

Division(check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District(check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type(check one)

Ambient	○
Complaint	○
Compliance	✓
Litigation	✓
Survey	○
Raw	○
Plant	○
Distribution	○
Other	

} DW only

Matrix(check one)

Air Filter	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent Water	○
Other	

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	06	10	13	15	47
(or)					
Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
1	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate	✓
Field/Equip/Acid Blank	○
MSD	✓

NC

Collected By S. Churchill

Customer ID # _____

Station ID # DUP

Sample Location

County: Hamilton

Field Duplicate (DUP) Sample

Template _____

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ○ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ✓ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ○ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ○ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ○ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------ _____
- ○ ------ _____

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
- ○ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)

- ○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ○ ------ Cobalt
- ✓ ------ Silver
- ○ ------ _____
- ✓ ------ Boron
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------ _____
- ○ ------ _____

✓ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	ORP	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	TDS	Corr.Cond, umho/cm
P50060	P94	P299		P61	P65	P400		P10		P94

Remove yellow copy of form for your records prior to submitting form to DES

All Rush Samples require prior approval

OhioEPA *Division of Environmental Services*

Organic Sample Submission Form

DW Certification #4105

DES Use Only
Sample # [illegible]
Date Received MM / DD / YY

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM

Division(check one)
- DAPC ○
- DDAGW ✓
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other

OEPA District(check one)
- CO ✓
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ✓
- NPS ○
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ✓
- Oil Wipe ○
- Sediment ○
- Soil ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other

Collection Date

	MM	DD	YY	HH	MM
Grab ✓	06	10	13	15	47
(or) Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
2	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	(HCl)/ $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504	$Na_2S_2O_3$
	Vial, 505	$Na_2S_2O_3$
	Jar, Oil Wipe	
	Encore Sampler	

Field QC (Check one)
- Field Duplicate ✓
- Field/Equip/Acid Blank ○
- Trip Blank ○
- MSD ✓

Collected By S. Churchill

Customer ID #

Referred By

Station ID # DUP ~~MSD~~

County: Hamilton

Sample Location

Field Duplicate (DUP) ~~(MSD)~~

Parameters

Template

- ○ ----- % Solids, Sed only

Volatiles
- ○ ----- VOC, 524.2 } Drinking Water Analysis
- ○ ----- VOC, 624 } Waste Water Analysis
- ✓ ----- VOC, 8260 } SW846 Analysis

Semivolatiles / Herbicides
- ○ ----- Cyanazine, 525.2 } Drinking Water Analysis
- ○ ----- Herbicides, 525.2 } Drinking Water Analysis
- ○ ----- BNA, 625 } Waste Water Analysis
- ○ ----- BN (PAHs) only, 625 } Waste Water Analysis
- ○ ----- Acids (Phenols) only, 625 } Waste Water Analysis
- ○ ----- BNA, 8270 } SW846 Analysis
- ✓ ----- BN (PAHs) only, 8270 } SW846 Analysis
- ○ ----- Acids (Phenols) only, 8270 } SW846 Analysis
- ○ ----- SAS-305
- ○ ----- SAS-310

Pesticides / PCBs / Herbicides
- ○ ----- Pesticides. 505 } Drinking Water Analysis
- ○ ----- PCBs, 508 (508A) } Drinking Water Analysis
- ○ ----- Chlordane, 505 } Drinking Water Analysis
- ○ ----- Toxaphene, 505 } Drinking Water Analysis
- ○ ----- EDB/DBCP, 504 } Drinking Water Analysis
- ○ ----- Acid Herbicides, 515 } Drinking Water Analysis
- ○ ----- Pesticides, 608 } Waste Water Analysis
- ○ ----- PCBs, 608 } Waste Water Analysis
- Chlordane, 608 } Waste Water Analysis
- ○ ----- Toxaphene, 608 } Waste Water Analysis
- ○ ----
- ○ ----- Pesticides, 8081 } SW846 Analysis
- ○ ----- Chlordane, 8081 } SW846 Analysis
- ○ ----- Toxaphene, 8081 } SW846 Analysis
- ○ ----- PCBs, 8082 } SW846 Analysis
- ○ ----- PCBs, Oil Wipe } SW846 Analysis

Air Canister
- ○ ----- TO-14A } Air Analysis
- ○ ----- Canister Cleaning, Only } Air Analysis

Other
- ○ ----
- ○ ----
- ○ ----
- ○ ----
- ○ ----

Field Comments

Please use these 2-1L ambers for the field duplicate and MSD for SVOCs/PAHs if possible

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr. Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

Lab Comments

Remove yellow copy of form for your records prior to submitting form to DES

All Rush Samples require prior approval

Ohio Environmental Protection Agency

Inorganic Sample Submission Form

DW Certification #4105

DES Use Only

Sample #_____

Date Received MM ___/ DD ___/ YY ___

Sample Information (INSTRUCTIONS ON BACK) **Parameters**

Client (Bill to) DMWM

Project Identity Ltown C+DD

(project identity **requires prior approval**)

No Folder ○

Division(check one)		**OEPA District**(check one)	
DAPC	○	CO	✓
DDAGW	✓	CDO	○
DERR	○	NEDO	○
DHWM	○	NWDO	○
DSW	○	SEDO	○
DSIWM	○	SWDO	○
Other		Other	

Sample Type(check one)		**Matrix**(check one)	
Ambient	○	Air Filter	○
Complaint	○	Drinking water	○
Compliance	○	Ground water	✓
Litigation	✓	Sediment	○
Survey	○	Surface water	○
Raw	○	Waste water	○
Plant	○ } DW only	Reagent Water	○
Distribution	○	Other	
Other			

Collection Date MM DD YY HH MM

Grab ✓ 06/ 11 /13 08/20

(or)

Composite ○ Begin ___/___/___ ___/___

End ___/___/___ ___/___

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Filter	
	Cubitainer	NaOH
1	Cubitainer	HNO_3
	Cubitainer	HNO_3_Filt
1	Cubitainer	H_2SO_4
	Cubitainer	H_2SO_4_Filt
1	Cubitainer	N/P
	Cubitainer	N/P_Filt
	Jar	H_2SO_4_Phenol
	Jar	H_2SO_4_O&G
	Sed	Frozen
	Sed	
	Bacteria	Sterile

Field QC (Check one)

Field Duplicate ✓

Field/Equip/Acid Blank ○

MSD ○

Collected By S. Churchill

Customer ID # _____

Station ID # (FB) Field Blank

Sample Location

Field Blank

County: Hamilton

Template _____

Demand

- ○ ------ % Solids, *Sed only*
- ○ ------ BOD-20 day
- ○ ------ BOD-5 day
- ○ ------ CBOD-20 day
- ○ ------ CBOD-5 day
- ○ ------ Oil&Grease
- ✓ ------ Particle Size (PSD)
- ✓ ------ pH
- ✓ ------ Solids_Diss(filt)
- ○ ------ Solids_Suspd(nonfilt)
- ○ ------ Solids_Total
- ○ ------ Solids_Total Volatile
- ○ ------ TOC

Nutrients

- ○ ------ Acidity,Total $CaCO_3$
- ○ ------ AlkalinityTotal $CaCO_3$
- ✓ ------ Ammonia
- ✓ ------ Bicarbonate
- ✓ ------ Chloride
- ✓ ------ COD
- ○ ------ Conductivity
- ○ ------ Cyanide_Free (WAD)
- ○ ------ Cyanide_Total
- ○ ------ Fluoride
- ✓ ------ Nitrite
- ✓ ------ Nitrate+nitrite
- ○ ------ Orthophosphate, Dissolved
- ○ ------ Phenolics, Total w/man dist.
- ✓ ------ Phosphorus, Dissolved (Filt)
- ✓ ------ Phosphorous, Total
- ✓ ------ Sulfate
- ○ ------ TKN

Microbiology

- ○ ------ E. coli
- ○ ------ Fecal Coliform
- ○ ------ Fecal Streptococcus
- ○ ------ MMO-MUG

Misc.

- ○ ------ Turbidity
- ○ ------ Chlorophyll_a (see back #11)
- ○ ------ _____
- ○ ------ _____

Metals (Please select one ICP AND one ICPMS package if needed)

- ○ ------ **ICP 1**, *Water only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,Hardness)
- ○ ------ **ICP 2**, *Water only*(Ca,Mg,Hardness)
- ✓ ------ **ICP 3**, *Sediment only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn)
- ✓ ------ **ICP 4**, *SW846 only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti,Hardness)
- ○ ------ **ICP 5**, *SW846 SED only*(Al,Ba,Ca,Fe,Mg,Mn,Na,K,Sr,Zn,V,Ti)
- ○ ------ **ICP 6**, *Air Filters only*(Zn,Mn)

- ○ ------ **ICPMS 1**, *Water only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 2**, *Sediment only*(As,Cd,Cr,Cu,Ni,Pb,Se)
- ✓ ------ **ICPMS 3**, *Air Filter only*(As,Cd,Cr,Ni,Pb,Be)
- ✓ ------ **ICPMS 4**, *SW846 Water* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)
- ○ ------ **ICPMS 5**, *SW846 Sediment* only (As,Be,Cd,Co,Cr,Cu,Ni,Pb,Se)

Single element metals - please list only if NOT using Metals packages

- ✓ ------ Antimony
- ○ ------ Beryllium
- ✓ ------ Cobalt
- ✓ ------ Silver
- ○ ------ _____
- ✓ ------ Boron
- ✓ ------ Thallium
- ○ ------ Tin
- ○ ------ Titanium
- ○ ------ Vanadium
- ○ ------ _____
- ○ ------ _____

✓ ------ **SW846 (Check this box if single elements require SW846 method)**

The following require prior notification to DES before submittal:

- ✓ ------ Mercury
- ○ ------ Chromium, Hexavalent (N/P_Filt)
- ○ ------ Bromide (N/P)

Other tests are available; please check current price list

Field Comments

Lab Comments

Chlorine,mg/l P50060	Cond,umho/cm P94	DO,mg/l P299	ORP	Flow,cfs P61	Gage Ht, ft P65	pH, su P400	% Sat	Temp,oC P10	TDS	Corr.Cond, umho/cm P94

Remove yellow copy of form for your records prior to submitting form to DES

All Rush Samples require prior approval

OhioEPA *Division of Environmental Services*

Organic Sample Submission Form

DW Certification #4105

DES Use Only
Sample # _____
Date Received MM / DD / YY

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM

Division(check one)
- DAPC ○
- DDAGW ⊘
- DERR ○
- DHWM ○
- DSW ○
- DSIWM ○
- Other _____

OEPA District(check one)
- CO ⊘
- CDO ○
- NEDO ○
- NWDO ○
- SEDO ○
- SWDO ○
- Other _____

Sample Type(check one)
- Ambient ○
- Complaint ○
- Compliance ○
- Litigation ⊘
- NPS ○
- Survey ○
- Raw ○ } DW only
- Plant ○ } DW only
- Distribution ○ } DW only
- Other _____

Matrix(check one)
- Air Canister ○
- Drinking water ○
- Ground water ⊘
- Oil Wipe ○
- Sediment ○
- Soil ○
- Surface water ○
- Waste water ○
- Reagent water ○
- Other _____

Collection Date

	MM	DD	YY	HH	MM
Grab ⊘	06	11	13	08	20
(or)					
Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
	Vial, VOC	
	Vial, 504	$Na_2S_2O_3$
	Vial, 505	$Na_2S_2O_3$
	Jar, Oil Wipe	
	Encore Sampler	

Field QC (Check one)
- Field Duplicate ○
- Field/Equip/Acid Blank ⊘
- Trip Blank ○
- MSD ○

Collected By E. Churchill

Customer ID # _____

Referred By _____

Station ID # Field Blank (FB)

Sample Location Field Blank

County: Hamilton

Parameters

Template _____

○ ------ % Solids, Sed only

Volatiles
- ○ ------ VOC, 524.2 } Drinking Water Analysis
- ○ ------ VOC, 624 } Waste Water Analysis
- ⊘ ------ VOC, 8260 } SW846 Analysis

Semivolatiles / Herbicides
- ○ ------ Cyanazine, 525.2 } Drinking Water Analysis
- ○ ------ Herbicides, 525.2 } Drinking Water Analysis
- ○ ------ BNA, 625 } Waste Water Analysis
- ○ ------ BN (PAHs) only, 625 } Waste Water Analysis
- ○ ------ Acids (Phenols) only, 625 } Waste Water Analysis
- ○ ------ BNA, 8270 } SW846 Analysis
- ○ ------ BN (PAHs) only, 8270 } SW846 Analysis
- ○ ------ Acids (Phenols) only, 8270 } SW846 Analysis
- ○ ------ SAS-305
- ○ ------ SAS-310

Pesticides / PCBs / Herbicides
- ○ ------ Pesticides, 505 } Drinking Water Analysis
- ○ ------ PCBs, 508 (508A) } Drinking Water Analysis
- ○ ------ Chlordane, 505 } Drinking Water Analysis
- ○ ------ Toxaphene, 505 } Drinking Water Analysis
- ○ ------ EDB/DBCP, 504 } Drinking Water Analysis
- ○ ------ Acid Herbicides, 515 } Drinking Water Analysis
- ○ ------ Pesticides, 608 } Waste Water Analysis
- ○ ------ PCBs, 608 } Waste Water Analysis
- Chlordane, 608 } Waste Water Analysis
- ○ ------ Toxaphene, 608 } Waste Water Analysis
- ○ ------
- ○ ------ Pesticides, 8081 } SW846 Analysis
- ○ ------ Chlordane, 8081 } SW846 Analysis
- ○ ------ Toxaphene, 8081 } SW846 Analysis
- ○ ------ PCBs, 8082 } SW846 Analysis
- ○ ------ PCBs, Oil Wipe } SW846 Analysis

Air Canister
- ○ ------ TO-14A } Air Analysis
- ○ ------ Canister Cleaning, Only } Air Analysis

Other
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____
- ○ ------ _____

Field Comments

Lab Comments

OhioEPA *Division of Environmental Services*

Organic Sample Submission Form

DW Certification #4105

DES Use Only
Sample # _____
MM DD YY
Date Received ___/___/___

Sample Information (INSTRUCTIONS ON BACK)

Client (Bill to) DMWM

Project Identity Etown C+DD
(project identity **requires prior approval**)

No Folder ○

Division(check one)

DAPC	○
DDAGW	✓
DERR	○
DHWM	○
DSW	○
DSIWM	○
Other	

OEPA District(check one)

CO	✓
CDO	○
NEDO	○
NWDO	○
SEDO	○
SWDO	○
Other	

Sample Type(check one)

Ambient	○
Complaint	○
Compliance	○
Litigation	✓
Survey	○
Raw	○
Plant	○
Distribution	○
Other	

} DW only

Matrix(check one)

Air Canister	○
Drinking water	○
Ground water	✓
Sediment	○
Surface water	○
Waste water	○
Reagent water	○
Other	

Collection Date

	MM	DD	YY	HH	MM
Grab ✓ (or)	06	10	13	13	39
Composite ○ Begin	/	/		/	
End	/	/		/	

Frequency & Duration of Composite Sample:

Container Information

Qty.	Type	Pres.
	Air Canister	
	Amber, 525	N/P
	Amber, 525	HCl & Na_2SO_3
	Amber, 515	HCl & Na_2SO_3
	Amber, BNA	N/P
	Amber, BNA	$Na_2S_2O_3$
	Amber, P/P	N/P
	Amber, P/P	$Na_2S_2O_3$
4	Vial, VOC	HCl / $Na_2S_2O_3$
4	Vial, VOC	
	Vial, 504,505	$Na_2S_2O_3$
	Vial, 547	$Na_2S_2O_3$
	Vial, 531.1	Buffer
	Sed	

Field QC (Check one)

Field Duplicate	○
Field/Equip/Acid Blank	○
Trip Blank	○
MSD	○

Collected By S Churchill

Customer ID # _____

Station ID # Field Blank 2

Sample Location

Field blank 2 @ Water Supply well

County:

Parameters

Template _____

○ ----- % Solids, Sed only

Volatiles

○ ----- VOC, 524.2 } Drinking Water Analysis
○ ----- VOC, 624 } Waste Water Analysis
✓ ----- VOC, 8260 } SW846 Analysis
○ ----- VOC, TICs

Semivolatiles / Herbicides *See Back for Note

○ ----- Cyanazine, 525.2
○ ----- Herbicides, 525.2
○ ----- Herbicides, TICs
} Drinking Water Analysis

○ ----- BNA, 625 } Waste Water Analysis
○ ----- BNA, 8270 } SW846 Analysis
○ ----- BNA, TICs

○ ----- SAS-305
○ ----- SAS-310

Pesticides / PCBs / Herbicides

○ ----- Pesticides. 505
○ ----- PCBs, 508 (508A)
○ ----- Carbamates, 531.1
○ ----- Glyphosate, 547
○ ----- EDB/DBCP, 504
○ ----- Acid Herbicides, 515
} Drinking Water Analysis

○ ----- Pesticides, 608
○ ----- PCBs, 608
○ ----- Chlordane, 608
○ ----- Toxaphene, 608
} Waste Water Analysis

○ ----- Pesticides, 8081
○ ----- PCBs, 8082
○ ----- Chlordane, 8081
○ ----- Toxaphene, 8081
} SW846 Analysis

Air Canister

○ ----- TO-14A
○ ----- Canister Cleaning, Only
} Air Analysis

Other

○ -----
○ -----
○ -----
○ -----
○ -----

Field Comments

Chlorine,mg/l	Cond,umho/cm	DO,mg/l	Flow,cfs	Gage Ht, ft	pH, su	% Sat	Temp,oC	Corr.Cond, umho/cm
P50060	P94	P299	P61	P65	P400		P10	P94

Lab Comments

Remove yellow copy of form for your records prior to submitting form to DES
All Rush Samples require prior approval

Ohio Environmental Protection Agency

Division of Environmental Services

Chemistry Laboratory Chain of Custody Report

Collected by * Stephen Churchill

Date Received (Lab use only)

Year		Month		Day	
1	3	0	6	1	1

Ohio EPA Districts ☐ NEDO ☐ SWDO ☑ CO ☐ Other ☐ SEDO ☐ NWDO ☐ CDO

Division ☐ DSW ☐ DERR ☑ DDAGW ☑ DSIWM ☐ DAPC ☐ Other

Date of Grab Sample

Y	Y	M	M	D	D

Beginning and End Date of Composite Sample

1	3	0	6	1	0
1	3	0	6	1	1

Grab

Laboratory Number(s) (Lab use only) 153365 - 153379

Location(s) W-1s, W-2s, W-5s, W-6, Etown Water Supply Well, DUP, Field Blank, Field Blank 2 (vocs only), trip blank

Q.C. - Field Samples # ☑ Trip Blank (organics only) # ☑ Field Bank - 2 # ☑ Duplicate

Sample Type(s) ☐ Compliance ☐ Ambient ☐ Survey ☐ Complaint ☑ Possible Legal Action ☐ With Bioassay ☐ Organic(s) ☐ Fish Tissue

Additional Information/Comments

Condition of Container of Transfer: (Seal all containers) _____ Locked or Tamper Proof _____ Unlocked or Not Tamper Proof _____ Initial

64

Number of Samples (Containers/Sites) 64 containers, 5 sites

Relinquished by (must be collector*) Stephen Churchill

Received by

Relinquished by

Received by

Relinquished by

Received by

Relinquished by

Received by

MILITARY TIME

Year		Month		Day		Hour		Minute	
1	3	0	6	1	1	1	4	4	5
1	3	0	6	1	1	1	4	4	5

EPA 4705

Printed on Recycled Paper (1/10)

Distribution
White-Laboratory
Canary-Originator-After Lab Signature
Pink-Q.A.
Goldenrod-Q.A.

OhioEPA Division of Environmental Services

Method Detection Limits

DRINKING WATER

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Mercury	0.041	ug/L	P71900	USEPA 245.1	Mercury_DW	COLD VAPOR

AQUEOUS, SURFACE WATER, WASTEWATER

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Aluminum	25	ug/L	P1105	USEPA 200.7	ICP_(WAT)	ICP
Antimony	0.21	ug/L	P1097	USEPA 200.8	ICPMS_(WAT)	ICPMS
Arsenic	0.12	ug/L	P1002	USEPA 200.8	ICPMS_(WAT)	ICPMS
Barium	2.4	ug/L	P1007	USEPA 200.7	ICP_(WAT)	ICP
Beryllium	0.048	ug/L	P1012	USEPA 200.8	ICPMS_(WAT)	ICPMS
Boron	103	ug/L	P1022	USEPA 200.7	ICP_(WAT)	ICP
Cadmium	0.024	ug/L	P1027	USEPA 200.8	ICPMS_(WAT)	ICPMS
Calcium	0.32	mg/L	P916	USEPA 200.7	ICP_(WAT)	ICP
Chromium	0.28	ug/L	P1034	USEPA 200.8	ICPMS_(WAT)	ICPMS
Cobalt	0.19	ug/L	P1037	USEPA 200.8	ICPMS_(WAT)	ICPMS
Copper	0.33	ug/L	P1042	USEPA 200.8	ICPMS_(WAT)	ICPMS
Hexavalent Chromium	3.4	ug/L	P1220	SM 3500-CRD	CR+6	SPECTROPHOTOMETER
Iron	40	ug/L	P1045	USEPA 200.7	ICP_(WAT)	ICP
Lead	0.28	ug/L	P1051	USEPA 200.8	ICPMS_(WAT)	ICPMS
Magnesium	0.15	mg/L	P927	USEPA 200.7	ICP_(WAT)	ICP
Manganese	1.6	ug/L	P1055	USEPA 200.7	ICP_(WAT)	ICP
Nickel	0.45	ug/L	P1067	USEPA 200.8	ICPMS_(WAT)	ICPMS
Potassium	0.34	mg/L	P937	USEPA 200.7	ICP_(WAT)	ICP
Selenium	0.41	ug/L	P1147	USEPA 200.8	ICPMS_(WAT)	ICPMS
Silver	0.022	ug/L	P1077	USEPA 200.8	ICPMS_(WAT)	ICPMS
Sodium	0.79	mg/L	P929	USEPA 200.7	ICP_(WAT)	ICP
Strontium	4.6	ug/L	P1082	USEPA 200.7	ICP_(WAT)	ICP
Thallium	0.14	ug/L	P1059	USEPA 200.8	ICPMS_(WAT)	ICPMS
Tin	0.13	ug/L	P1102	USEPA 200.8	ICPMS_(WAT)	ICPMS
Titanium	9.3	ug/L	P01152	USEPA 200.7	ICP_(WAT)	ICP
Vanadium	3.8	ug/L	P1087	USEPA 200.7	ICP_(WAT)	ICP
Zinc	5	ug/L	P1092	USEPA 200.7	ICP_(WAT)	ICP

OhioEPA Division of Environmental Services

Method Detection Limits

NUTRIENTS WATER ANALYSIS

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Acidity	3	mg/L	P70508	USEPA 305.1	Acidity	POTENTIOMETRIC
Alkalinity	1.1	mg/L	P410	USEPA 310.1	Alkalinity	POTENTIOMETRIC
Ammonia	0.0057	mg/L	P610	USEPA 350.1	Ammonia	COLORIMETRIC
Bicarbonate	2.9	mg/L	P0440	SM 2320B	Carb_Bicarb	POTENCIOMETRIC
Bromide	1.1	ug/L	P71870	USEPA 300.1	Bromide	ION CHROMATOGRAPHY
Carbonate	4	mg/L	P445	SM 2320B	Carb_Bicarb	POTENCIOMETRIC
Chloride	0.17	mg/L	P940	USEPA 325.1	Chloride	COLORIMETRIC
COD	8.5	mg/L	P340	SM 5220D	COD	COLORIMETRIC
Cyanide, Free	3.6	ug/L	P718	SM 4500-CNI	Cyanide_Free	COLORIMETRIC
Cyanide, Total	9.1	ug/L	P720	USEPA 335.4	Cyanide_Total	COLORIMETRIC
Fluoride	0.023	mg/L	P951	SM 4500-FC	Fluoride	COLORIMETRIC
Nitrate+nitrite	0.016	mg/L	P630	USEPA 350.1	Nitrate	COLORIMETRIC
Nitrite	0.00079	mg/L	P615	USEPA 353.2	Nitrite	COLORIMETRIC
Phenolics	2.4	ug/L	P32730	USEPA 420.1	Phenolics_MD	COLORIMETRIC
Sulfate	0.081	mg/L	P945	USEPA 375.2	Sulfate	COLORIMETRIC
TKN	0.15	mg/L	P625	USEPA 351.2	TKN	COLORIMETRIC
Total Phosphorus	0.0084	mg/L	P665	USEPA 365.4	TP	COLORIMETRIC

OhioEPA Division of Environmental Services

Method Detection Limits

VOC ANALYSIS IN WATER, METHOD 524.2

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Benzene	0.18	ug/L	000071-43-2	USEPA 524.2	524.2_(WAT)	GCMS
Bromobenzene	0.17	ug/L	000108-86-1	USEPA 524.2	524.2_(WAT)	GCMS
Bromochloromethane	0.26	ug/L	000074-97-5	USEPA 524.2	524.2_(WAT)	GCMS
Bromodichloromethane	0.17	ug/L	000075-27-4	USEPA 524.2	524.2_(WAT)	GCMS
Bromoform	0.17	ug/L	000075-25-2	USEPA 524.2	524.2_(WAT)	GCMS
Bromomethane	0.24	ug/L	000074-83-9	USEPA 524.2	524.2_(WAT)	GCMS
n-Butylbenzene	0.23	ug/L	000104-51-8	USEPA 524.2	524.2_(WAT)	GCMS
sec-Butylbenzene	0.15	ug/L	000135-98-8	USEPA 524.2	524.2_(WAT)	GCMS
tert-Butylbenzene	0.18	ug/L	000098-06-6	USEPA 524.2	524.2_(WAT)	GCMS
Carbon tetrachloride	0.2	ug/L	000056-23-5	USEPA 524.2	524.2_(WAT)	GCMS
Chlorobenzene	0.18	ug/L	000108-90-7	USEPA 524.2	524.2_(WAT)	GCMS
Chloroethane	0.38	ug/L	000075-00-3	USEPA 524.2	524.2_(WAT)	GCMS
Chloroform	0.19	ug/L	000067-66-3	USEPA 524.2	524.2_(WAT)	GCMS
Chloromethane	0.39	ug/L	000074-87-3	USEPA 524.2	524.2_(WAT)	GCMS
2-Chlorotoluene	0.15	ug/L	000095-49-8	USEPA 524.2	524.2_(WAT)	GCMS
4-Chlorotoluene	0.15	ug/L	000106-43-4	USEPA 524.2	524.2_(WAT)	GCMS
Dibromochloromethane	0.15	ug/L	000124-48-1	USEPA 524.2	524.2_(WAT)	GCMS
1,2-Dibromo-3-chloropropane	0.25	ug/L	000096-12-8	USEPA 524.2	524.2_(WAT)	GCMS
1,2-Dibromoethane	0.15	ug/L	000106-93-4	USEPA 524.2	524.2_(WAT)	GCMS
Dibromomethane	0.27	ug/L	000074-95-3	USEPA 524.2	524.2_(WAT)	GCMS
1,2-Dichlorobenzene	0.12	ug/L	000095-50-1	USEPA 524.2	524.2_(WAT)	GCMS
1,3-Dichlorobenzene	0.16	ug/L	000541-73-1	USEPA 524.2	524.2_(WAT)	GCMS
1,4-Dichlorobenzene	0.13	ug/L	000106-46-7	USEPA 524.2	524.2_(WAT)	GCMS
Dichlorodifluoromethane	0.2	ug/L	000075-71-8	USEPA 524.2	524.2_(WAT)	GCMS
1,1-Dichloroethane	0.25	ug/L	000075-34-3	USEPA 524.2	524.2_(WAT)	GCMS
1,2-Dichloroethane	0.14	ug/L	000107-06-2	USEPA 524.2	524.2_(WAT)	GCMS
1,1-Dichloroethene	0.33	ug/L	000075-35-4	USEPA 524.2	524.2_(WAT)	GCMS
cis-1,2-Dichloroethene	0.24	ug/L	000156-59-2	USEPA 524.2	524.2_(WAT)	GCMS
trans-1,2-Dichloroethene	0.33	ug/L	000156-60-5	USEPA 524.2	524.2_(WAT)	GCMS
1,2-Dichloropropane	0.18	ug/L	000078-87-5	USEPA 524.2	524.2_(WAT)	GCMS
1,3-Dichloropropane	0.17	ug/L	000142-28-9	USEPA 524.2	524.2_(WAT)	GCMS
2,2-Dichloropropane	0.31	ug/L	000594-20-7	USEPA 524.2	524.2_(WAT)	GCMS
1,1-Dichloropropene	0.2	ug/L	000563-58-6	USEPA 524.2	524.2_(WAT)	GCMS
cis-1,3-Dichloropropene	0.21	ug/L	010061-01-5	USEPA 524.2	524.2_(WAT)	GCMS
trans-1,3-Dichloropropene	0.16	ug/L	010061-02-6	USEPA 524.2	524.2_(WAT)	GCMS
Ethylbenzene	0.17	ug/L	000100-41-4	USEPA 524.2	524.2_(WAT)	GCMS
Hexachlorobutadiene	0.3	ug/L	000087-68-3	USEPA 524.2	524.2_(WAT)	GCMS
Isopropylbenzene	0.17	ug/L	000098-82-8	USEPA 524.2	524.2_(WAT)	GCMS
4-Isopropyltoluene	0.25	ug/L	000099-87-6	USEPA 524.2	524.2_(WAT)	GCMS
Methylene chloride	0.16	ug/L	000075-09-2	USEPA 524.2	524.2_(WAT)	GCMS
Methyl-tert-butyl ether	0.17	ug/L	001634-04-4	USEPA 524.2	524.2_(WAT)	GCMS
Naphthalene	0.11	ug/L	000091-20-3	USEPA 524.2	524.2_(WAT)	GCMS
n-Propylbenzene	0.15	ug/L	000103-65-1	USEPA 524.2	524.2_(WAT)	GCMS
Styrene	0.12	ug/L	000100-42-5	USEPA 524.2	524.2_(WAT)	GCMS
1,1,1,2-Tetrachloroethane	0.15	ug/L	000630-20-6	USEPA 524.2	524.2_(WAT)	GCMS
1,1,2,2-Tetrachloroethane	0.21	ug/L	000079-34-5	USEPA 524.2	524.2_(WAT)	GCMS
Tetrachloroethene	0.22	ug/L	000127-18-4	USEPA 524.2	524.2_(WAT)	GCMS
Toluene	0.25	ug/L	000108-88-3	USEPA 524.2	524.2_(WAT)	GCMS
1,2,3-Trichlorobenzene	0.17	ug/L	000087-61-6	USEPA 524.2	524.2_(WAT)	GCMS
1,2,4-Trichlorobenzene	0.12	ug/L	000120-82-1	USEPA 524.2	524.2_(WAT)	GCMS
1,1,1-Trichloroethane	0.18	ug/L	000071-55-6	USEPA 524.2	524.2_(WAT)	GCMS
1,1,2-Trichloroethane	0.18	ug/L	000079-00-5	USEPA 524.2	524.2_(WAT)	GCMS
Trichloroethene	0.25	ug/L	000079-01-6	USEPA 524.2	524.2_(WAT)	GCMS
Trichlorofluoromethane	0.18	ug/L	000075-69-4	USEPA 524.2	524.2_(WAT)	GCMS
1,2,3-Trichloropropane	0.18	ug/L	000096-18-4	USEPA 524.2	524.2_(WAT)	GCMS
1,2,4-Trimethylbenzene	0.42	ug/L	000095-63-6	USEPA 524.2	524.2_(WAT)	GCMS
1,3,5-Trimethylbenzene	0.34	ug/L	000108-67-8	USEPA 524.2	524.2_(WAT)	GCMS
Vinyl chloride	0.31	ug/L	000075-01-4	USEPA 524.2	524.2_(WAT)	GCMS
o-Xylene	0.15	ug/L	000095-47-6	USEPA 524.2	524.2_(WAT)	GCMS
Total m&p-xylenes	0.37	ug/L	000108-38-3	USEPA 524.2	524.2_(WAT)	GCMS
Trihalomethanes (THMs)	0.56	ug/L	Unknown	USEPA 524.2	524.2_(WAT)	GCMS

VOC ANALYSIS IN WASTEWATER & SURFACE WATER, METHOD 624

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Benzene	0.16	ug/L	000071-43-2	USEPA 624	624_(WAT)	GCMS
Bromobenzene	0.11	ug/L	000108-86-1	USEPA 624	624_(WAT)	GCMS
Bromochloromethane	0.19	ug/L	000074-97-5	USEPA 624	624_(WAT)	GCMS
Bromodichloromethane	0.2	ug/L	000075-27-4	USEPA 624	624_(WAT)	GCMS
Bromoform	0.13	ug/L	000075-25-2	USEPA 624	624_(WAT)	GCMS

Method Detection Limits

VOC ANALYSIS IN WASTEWATER & SURFACE WATER, METHOD 624

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Bromomethane	0.15	ug/L	000074-83-9	USEPA 624	624_(WAT)	GCMS
n-Butylbenzene	0.16	ug/L	000104-51-8	USEPA 624	624_(WAT)	GCMS
sec-Butylbenzene	0.11	ug/L	000135-98-8	USEPA 624	624_(WAT)	GCMS
tert-Butylbenzene	0.11	ug/L	000098-06-6	USEPA 624	624_(WAT)	GCMS
Carbon tetrachloride	0.12	ug/L	000056-23-5	USEPA 624	624_(WAT)	GCMS
Chlorobenzene	0.11	ug/L	000108-90-7	USEPA 624	624_(WAT)	GCMS
Chloroethane	0.38	ug/L	000075-00-3	USEPA 624	624_(WAT)	GCMS
Chloroform	0.12	ug/L	000067-66-3	USEPA 624	624_(WAT)	GCMS
Chloromethane	0.21	ug/L	000074-87-3	USEPA 624	624_(WAT)	GCMS
2-Chlorotoluene	0.14	ug/L	000095-49-8	USEPA 624	624_(WAT)	GCMS
4-Chlorotoluene	0.2	ug/L	000106-43-4	USEPA 624	624_(WAT)	GCMS
Dibromochloromethane	0.18	ug/L	000124-48-1	USEPA 624	624_(WAT)	GCMS
1,2-Dibromo-3-chloropropane	0.5	ug/L	000096-12-8	USEPA 624	624_(WAT)	GCMS
1,2-Dibromoethane	0.14	ug/L	000106-93-4	USEPA 624	624_(WAT)	GCMS
Dibromomethane	0.16	ug/L	000074-95-3	USEPA 624	624_(WAT)	GCMS
1,2-Dichlorobenzene	0.11	ug/L	000095-50-1	USEPA 624	624_(WAT)	GCMS
1,3-Dichlorobenzene	0.13	ug/L	000541-73-1	USEPA 624	624_(WAT)	GCMS
1,4-Dichlorobenzene	0.15	ug/L	000106-46-7	USEPA 624	624_(WAT)	GCMS
Dichlorodifluoromethane	0.13	ug/L	000075-71-8	USEPA 624	624_(WAT)	GCMS
1,1-Dichloroethane	0.14	ug/L	000075-34-3	USEPA 624	624_(WAT)	GCMS
1,2-Dichloroethane	0.16	ug/L	000107-06-2	USEPA 624	624_(WAT)	GCMS
1,1-Dichloroethene	0.21	ug/L	000075-35-4	USEPA 624	624_(WAT)	GCMS
cis-1,2-Dichloroethene	0.1	ug/L	000156-59-2	USEPA 624	624_(WAT)	GCMS
trans-1,2-Dichloroethene	0.12	ug/L	000156-60-5	USEPA 624	624_(WAT)	GCMS
1,2-Dichloropropane	0.13	ug/L	000078-87-5	USEPA 624	624_(WAT)	GCMS
1,3-Dichloropropane	0.11	ug/L	000142-28-9	USEPA 624	624_(WAT)	GCMS
2,2-Dichloropropane	0.17	ug/L	000594-20-7	USEPA 624	624_(WAT)	GCMS
1,1-Dichloropropene	0.24	ug/L	000563-58-6	USEPA 624	624_(WAT)	GCMS
cis-1,3-Dichloropropene	0.15	ug/L	010061-01-5	USEPA 624	624_(WAT)	GCMS
trans-1,3-Dichloropropene	0.13	ug/L	010061-02-6	USEPA 624	624_(WAT)	GCMS
Ethylbenzene	0.12	ug/L	000100-41-4	USEPA 624	624_(WAT)	GCMS
Hexachlorobutadiene	0.23	ug/L	000087-68-3	USEPA 624	624_(WAT)	GCMS
Isopropylbenzene	0.15	ug/L	000098-82-8	USEPA 624	624_(WAT)	GCMS
4-Isopropyltoluene	0.18	ug/L	000099-87-6	USEPA 624	624_(WAT)	GCMS
Methylene chloride	0.13	ug/L	000075-09-2	USEPA 624	624_(WAT)	GCMS
Naphthalene	0.12	ug/L	000091-20-3	USEPA 624	624_(WAT)	GCMS
n-Propylbenzene	0.1	ug/L	000103-65-1	USEPA 624	624_(WAT)	GCMS
Styrene	0.12	ug/L	000100-42-5	USEPA 624	624_(WAT)	GCMS
1,1,1,2-Tetrachloroethane	0.18	ug/L	000630-20-6	USEPA 624	624_(WAT)	GCMS
1,1,2,2-Tetrachloroethane	0.11	ug/L	000079-34-5	USEPA 624	624_(WAT)	GCMS
Tetrachloroethene	0.2	ug/L	000127-18-4	USEPA 624	624_(WAT)	GCMS
Toluene	0.17	ug/L	000108-88-3	USEPA 624	624_(WAT)	GCMS
1,2,3-Trichlorobenzene	0.2	ug/L	000087-61-6	USEPA 624	624_(WAT)	GCMS
1,2,4-Trichlorobenzene	0.12	ug/L	000120-82-1	USEPA 624	624_(WAT)	GCMS
1,1,1-Trichloroethane	0.13	ug/L	000071-55-6	USEPA 624	624_(WAT)	GCMS
1,1,2-Trichloroethane	0.23	ug/L	000079-00-5	USEPA 624	624_(WAT)	GCMS
Trichloroethene	0.15	ug/L	000079-01-6	USEPA 624	624_(WAT)	GCMS
Trichlorofluoromethane	0.21	ug/L	000075-69-4	USEPA 624	624_(WAT)	GCMS
1,2,3-Trichloropropane	0.2	ug/L	000096-18-4	USEPA 624	624_(WAT)	GCMS
1,2,4-Trimethylbenzene	0.21	ug/L	000095-63-6	USEPA 624	624_(WAT)	GCMS
1,3,5-Trimethylbenzene	0.18	ug/L	000108-67-8	USEPA 624	624_(WAT)	GCMS
Vinyl chloride	0.21	ug/L	000075-01-4	USEPA 624	624_(WAT)	GCMS
o-Xylene	0.11	ug/L	000095-47-6	USEPA 624	624_(WAT)	GCMS
Total m&p-xylenes	0.27	ug/L	000108-38-3	USEPA 624	624_(WAT)	GCMS

VOC ANALYSIS IN HAZARDOUS WASTE, METHOD 8260

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Acetone	1.3	ug/L	000067-64-1	USEPA 8260B	8260_(WAT)	GCMS
Benzene	0.17	ug/L	000071-43-2	USEPA 8260B	8260_(WAT)	GCMS
Bromobenzene	0.17	ug/L	000108-86-1	USEPA 8260B	8260_(WAT)	GCMS
Bromochloromethane	0.19	ug/L	000074-97-5	USEPA 8260B	8260_(WAT)	GCMS
Bromodichloromethane	0.15	ug/L	000075-27-4	USEPA 8260B	8260_(WAT)	GCMS
Bromoform	0.12	ug/L	000075-25-2	USEPA 8260B	8260_(WAT)	GCMS
Bromomethane	0.33	ug/L	000074-83-9	USEPA 8260B	8260_(WAT)	GCMS
2-Butanone	0.53	ug/L	000078-93-3	USEPA 8260B	8260_(WAT)	GCMS
n-Butylbenzene	0.24	ug/L	000104-51-8	USEPA 8260B	8260_(WAT)	GCMS
sec-Butylbenzene	0.16	ug/L	000135-98-8	USEPA 8260B	8260_(WAT)	GCMS
tert-Butylbenzene	0.15	ug/L	000098-06-6	USEPA 8260B	8260_(WAT)	GCMS
Carbon disulfide	0.92	ug/L	000075-15-0	USEPA 8260B	8260_(WAT)	GCMS

OhioEPA Division of Environmental Services

Method Detection Limits

VOC ANALYSIS IN HAZARDOUS WASTE, METHOD 8260

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Carbon tetrachloride	0.17	ug/L	000056-23-5	USEPA 8260B	8260_(WAT)	GCMS
Chlorobenzene	0.15	ug/L	000108-90-7	USEPA 8260B	8260_(WAT)	GCMS
Chloroethane	0.24	ug/L	000075-00-3	USEPA 8260B	8260_(WAT)	GCMS
Chloroform	0.17	ug/L	000067-66-3	USEPA 8260B	8260_(WAT)	GCMS
Chloromethane	0.14	ug/L	000074-87-3	USEPA 8260B	8260_(WAT)	GCMS
2-Chlorotoluene	0.15	ug/L	000095-49-8	USEPA 8260B	8260_(WAT)	GCMS
4-Chlorotoluene	0.22	ug/L	000106-43-4	USEPA 8260B	8260_(WAT)	GCMS
Dibromochloromethane	0.23	ug/L	000124-48-1	USEPA 8260B	8260_(WAT)	GCMS
1,2-Dibromo-3-chloropropane	0.34	ug/L	000096-12-8	USEPA 8260B	8260_(WAT)	GCMS
1,2-Dibromoethane	0.24	ug/L	000106-93-4	USEPA 8260B	8260_(WAT)	GCMS
Dibromomethane	0.24	ug/L	000074-95-3	USEPA 8260B	8260_(WAT)	GCMS
1,2-Dichlorobenzene	0.15	ug/L	000095-50-1	USEPA 8260B	8260_(WAT)	GCMS
1,3-Dichlorobenzene	0.17	ug/L	000541-73-1	USEPA 8260B	8260_(WAT)	GCMS
1,4-Dichlorobenzene	0.13	ug/L	000106-46-7	USEPA 8260B	8260_(WAT)	GCMS
Dichlorodifluoromethane	0.15	ug/L	000075-71-8	USEPA 8260B	8260_(WAT)	GCMS
1,1-Dichloroethane	0.22	ug/L	000075-34-3	USEPA 8260B	8260_(WAT)	GCMS
1,2-Dichloroethane	0.13	ug/L	000107-06-2	USEPA 8260B	8260_(WAT)	GCMS
1,1-Dichloroethene	0.21	ug/L	000075-35-4	USEPA 8260B	8260_(WAT)	GCMS
cis-1,2-Dichloroethene	0.25	ug/L	000156-59-2	USEPA 8260B	8260_(WAT)	GCMS
trans-1,2-Dichloroethene	0.15	ug/L	000156-60-5	USEPA 8260B	8260_(WAT)	GCMS
1,2-Dichloropropane	0.2	ug/L	000078-87-5	USEPA 8260B	8260_(WAT)	GCMS
1,3-Dichloropropane	0.17	ug/L	000142-28-9	USEPA 8260B	8260_(WAT)	GCMS
2,2-Dichloropropane	0.21	ug/L	000594-20-7	USEPA 8260B	8260_(WAT)	GCMS
1,1-Dichloropropene	0.14	ug/L	000563-58-6	USEPA 8260B	8260_(WAT)	GCMS
cis-1,3-Dichloropropene	0.12	ug/L	010061-01-5	USEPA 8260B	8260_(WAT)	GCMS
trans-1,3-Dichloropropene	0.14	ug/L	010061-02-6	USEPA 8260B	8260_(WAT)	GCMS
Ethylbenzene	0.17	ug/L	000100-41-4	USEPA 8260B	8260_(WAT)	GCMS
Hexachlorobutadiene	0.17	ug/L	000087-68-3	USEPA 8260B	8260_(WAT)	GCMS
2-Hexanone	0.96	ug/L	000591-78-6	USEPA 8260B	8260_(WAT)	GCMS
Isopropylbenzene	0.12	ug/L	000098-82-8	USEPA 8260B	8260_(WAT)	GCMS
4-Isopropyltoluene	0.24	ug/L	000099-87-6	USEPA 8260B	8260_(WAT)	GCMS
Methylene chloride	0.21	ug/L	000075-09-2	USEPA 8260B	8260_(WAT)	GCMS
4-Methyl-2-pentanone	0.87	ug/L	000108-10-1	USEPA 8260B	8260_(WAT)	GCMS
Naphthalene	0.27	ug/L	000091-20-3	USEPA 8260B	8260_(WAT)	GCMS
n-Propylbenzene	0.15	ug/L	000103-65-1	USEPA 8260B	8260_(WAT)	GCMS
Styrene	0.13	ug/L	000100-42-5	USEPA 8260B	8260_(WAT)	GCMS
1,1,1,2-Tetrachloroethane	0.18	ug/L	000630-20-6	USEPA 8260B	8260_(WAT)	GCMS
1,1,2,2-Tetrachloroethane	0.14	ug/L	000079-34-5	USEPA 8260B	8260_(WAT)	GCMS
Tetrachloroethene	0.23	ug/L	000127-18-4	USEPA 8260B	8260_(WAT)	GCMS
Toluene	0.21	ug/L	000108-88-3	USEPA 8260B	8260_(WAT)	GCMS
1,2,3-Trichlorobenzene	0.13	ug/L	000087-61-6	USEPA 8260B	8260_(WAT)	GCMS
1,2,4-Trichlorobenzene	0.2	ug/L	000120-82-1	USEPA 8260B	8260_(WAT)	GCMS
1,1,1-Trichloroethane	0.12	ug/L	000071-55-6	USEPA 8260B	8260_(WAT)	GCMS
1,1,2-Trichloroethane	0.17	ug/L	000079-00-5	USEPA 8260B	8260_(WAT)	GCMS
Trichloroethene	0.23	ug/L	000079-01-6	USEPA 8260B	8260_(WAT)	GCMS
Trichlorofluoromethane	0.11	ug/L	000075-69-4	USEPA 8260B	8260_(WAT)	GCMS
1,2,3-Trichloropropane	0.23	ug/L	000096-18-4	USEPA 8260B	8260_(WAT)	GCMS
1,2,4-Trimethylbenzene	0.5	ug/L	000095-63-6	USEPA 8260B	8260_(WAT)	GCMS
1,3,5-Trimethylbenzene	0.4	ug/L	000108-67-8	USEPA 8260B	8260_(WAT)	GCMS
Vinyl chloride	0.16	ug/L	000075-01-4	USEPA 8260B	8260_(WAT)	GCMS
o-Xylene	0.16	ug/L	000095-47-6	USEPA 8260B	8260_(WAT)	GCMS
Total m&p-xylenes	0.3	ug/L	000108-38-3	USEPA 8260B	8260_(WAT)	GCMS

VOC ANALYSIS IN SUMMA AIR CANISTER, METHOD TO14A

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Acetonitrile	0.16	ppbv	000075-05-8	USEPA TO-14A	TO-14A_AC	
Acrylonitrile	0.097	ppbv	000107-13-1	USEPA TO-14A	TO-14A_AC	
Benzene	0.14	ppbv	000071-43-2	USEPA TO-14A	TO-14A_AC	
Benzyl chloride	0.083	ppbv	000100-44-7	USEPA TO-14A	TO-14A_AC	
Bromodichloromethane	0.1	ppbv	000075-27-4	USEPA TO-14A	TO-14A_AC	
Bromoform	0.098	ppbv	000075-25-2	USEPA TO-14A	TO-14A_AC	
Bromomethane	0.065	ppbv	000074-83-9	USEPA TO-14A	TO-14A_AC	
1,3-Butadiene	0.075	ppbv	000106-99-0	USEPA TO-14A	TO-14A_AC	
n-Butane	0.11	ppbv	000106-97-8	USEPA TO-14A	TO-14A_AC	
2-Butanone	0.13	ppbv	000078-93-3	USEPA TO-14A	TO-14A_AC	
Carbon disulfide	0.071	ppbv	000075-15-0	USEPA TO-14A	TO-14A_AC	
Carbon tetrachloride	0.076	ppbv	000056-23-5	USEPA TO-14A	TO-14A_AC	
Chlorobenzene	0.13	ppbv	000108-90-7	USEPA TO-14A	TO-14A_AC	
Chlorodifluoromethane	0.15	ppbv	000075-45-6	USEPA TO-14A	TO-14A_AC	

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VOC ANALYSIS IN SUMMA AIR CANISTER, METHOD TO14A

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Chloroethane	0.086	ppbv	000075-00-3	USEPA TO-14A	TO-14A_AC	
Chloroform	0.084	ppbv	000067-66-3	USEPA TO-14A	TO-14A_AC	
Chloromethane	0.09	ppbv	000074-87-3	USEPA TO-14A	TO-14A_AC	
3-Chloropropene	0.13	ppbv	000107-05-1	USEPA TO-14A	TO-14A_AC	
Cumene	0.097	ppbv	000098-82-8	USEPA TO-14A	TO-14A_AC	
Cyclohexane	0.15	ppbv	000110-82-7	USEPA TO-14A	TO-14A_AC	
Decane	0.086	ppbv	000124-18-5	USEPA TO-14A	TO-14A_AC	
Dibromochloromethane	0.1	ppbv	000124-48-1	USEPA TO-14A	TO-14A_AC	
1,2-Dibromoethane	0.12	ppbv	000106-93-4	USEPA TO-14A	TO-14A_AC	
Dibromomethane	0.12	ppbv	000074-95-3	USEPA TO-14A	TO-14A_AC	
1,2-Dichlorobenzene	0.1	ppbv	000095-50-1	USEPA TO-14A	TO-14A_AC	
1,3-Dichlorobenzene	0.083	ppbv	000541-73-1	USEPA TO-14A	TO-14A_AC	
1,4-Dichlorobenzene	0.1	ppbv	000106-46-7	USEPA TO-14A	TO-14A_AC	
Dichlorodifluoromethane	0.14	ppbv	000075-71-8	USEPA TO-14A	TO-14A_AC	
1,1-Dichloroethane	0.088	ppbv	000075-34-3	USEPA TO-14A	TO-14A_AC	
1,2-Dichloroethane	0.12	ppbv	000107-06-2	USEPA TO-14A	TO-14A_AC	
1,1-Dichloroethene	0.067	ppbv	000075-35-4	USEPA TO-14A	TO-14A_AC	
cis-1,2-Dichloroethene	0.14	ppbv	000156-59-2	USEPA TO-14A	TO-14A_AC	
trans-1,2-Dichloroethene	0.12	ppbv	000156-60-5	USEPA TO-14A	TO-14A_AC	
1,2-Dichloropropane	0.12	ppbv	000078-87-5	USEPA TO-14A	TO-14A_AC	
cis-1,3-Dichloropropene	0.11	ppbv	010061-01-5	USEPA TO-14A	TO-14A_AC	
trans-1,3-Dichloropropene	0.12	ppbv	010061-02-6	USEPA TO-14A	TO-14A_AC	
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	0.07	ppbv	000076-14-2	USEPA TO-14A	TO-14A_AC	
Ethylbenzene	0.098	ppbv	000100-41-4	USEPA TO-14A	TO-14A_AC	
4-Ethyltoluene	0.094	ppbv	000622-96-8	USEPA TO-14A	TO-14A_AC	
n-Heptane	0.14	ppbv	000142-82-5	USEPA TO-14A	TO-14A_AC	
Hexachlorobutadiene	0.083	ppbv	000087-68-3	USEPA TO-14A	TO-14A_AC	
Hexane	0.13	ppbv	000110-54-3	USEPA TO-14A	TO-14A_AC	
Methyl-butyl ether	0.16	ppbv	001634-04-4	USEPA TO-14A	TO-14A_AC	
Methylene chloride	0.11	ppbv	000075-09-2	USEPA TO-14A	TO-14A_AC	
4-Methyl-2-pentanone	0.13	ppbv	000108-10-1	USEPA TO-14A	TO-14A_AC	
a-Methylstyrene	0.067	ppbv	000098-83-9	USEPA TO-14A	TO-14A_AC	
Naphthalene	0.051	ppbv	000091-20-3	USEPA TO-14A	TO-14A_AC	
n-Nonane	0.08	ppbv	000111-84-2	USEPA TO-14A	TO-14A_AC	
n-Octane	0.11	ppbv	000111-65-9	USEPA TO-14A	TO-14A_AC	
n-Pentane	0.1	ppbv	000109-66-0	USEPA TO-14A	TO-14A_AC	
Propylene	0.2	ppbv	000115-07-1	USEPA TO-14A	TO-14A_AC	
n-Propylbenzene	0.083	ppbv	000103-65-1	USEPA TO-14A	TO-14A_AC	
Styrene	0.056	ppbv	000100-42-5	USEPA TO-14A	TO-14A_AC	
1,1,2,2-Tetrachloroethane	0.094	ppbv	000079-34-5	USEPA TO-14A	TO-14A_AC	
Tetrachloroethylene	0.1	ppbv	000127-18-4	USEPA TO-14A	TO-14A_AC	
Toluene	0.11	ppbv	000108-88-3	USEPA TO-14A	TO-14A_AC	
1,2,4-Trichlorobenzene	0.062	ppbv	000120-82-1	USEPA TO-14A	TO-14A_AC	
1,1,1-Trichloroethane	0.1	ppbv	000071-55-6	USEPA TO-14A	TO-14A_AC	
1,1,2-Trichloroethane	0.11	ppbv	000079-00-5	USEPA TO-14A	TO-14A_AC	
Trichloroethene	0.14	ppbv	000079-01-6	USEPA TO-14A	TO-14A_AC	
Trichlorofluoromethane	0.069	ppbv	000075-69-4	USEPA TO-14A	TO-14A_AC	
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.096	ppbv	000076-13-1	USEPA TO-14A	TO-14A_AC	
1,2,4-Trimethylbenzene	0.083	ppbv	000095-63-6	USEPA TO-14A	TO-14A_AC	
1,3,5-Trimethylbenzene	0.12	ppbv	000108-67-8	USEPA TO-14A	TO-14A_AC	
n-Undecane	0.078	ppbv	001120-21-4	USEPA TO-14A	TO-14A_AC	
Vinyl acetate	0.17	ppbv	000108-05-4	USEPA TO-14A	TO-14A_AC	
Vinyl chloride	0.14	ppbv	000075-01-4	USEPA TO-14A	TO-14A_AC	
o-Xylene	0.11	ppbv	000095-47-6	USEPA TO-14A	TO-14A_AC	
Total m&p-xylenes	0.23	ppbv	000108-38-3	USEPA TO-14A	TO-14A_AC	

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ACID HERBICIDES IN WATER, METHOD 525

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Cyanazine	0.16	ug/L	021725-46-2	USEPA 525.2	525CYAN_(WAT)	GCMS

ACID HERBICIDES IN WATER, METHOD 525

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Acetochlor	0.028	ug/L	034256-82-1	USEPA 525.2	525HERB_(WAT)	GCMS
Alachlor	0.065	ug/L	015972-60-8	USEPA 525.2	525HERB_(WAT)	GCMS
Atrazine	0.049	ug/L	001912-24-9	USEPA 525.2	525HERB_(WAT)	GCMS
Benzo[a]pyrene	0.13	ug/L	000050-32-8	USEPA 525.2	525HERB_(WAT)	GCMS
bis(2-Ethylhexyl)adipate	0.088	ug/L	000103-23-1	USEPA 525.2	525HERB_(WAT)	GCMS
bis(2-Ethylhexyl)phthalate	0.24	ug/L	000117-81-7	USEPA 525.2	525HERB_(WAT)	GCMS
Butachlor	0.025	ug/L	023184-66-9	USEPA 525.2	525HERB_(WAT)	GCMS
Metolachlor	0.026	ug/L	051218-45-2	USEPA 525.2	525HERB_(WAT)	GCMS
Metribuzin	0.024	ug/L	021087-64-9	USEPA 525.2	525HERB_(WAT)	GCMS
Pentachlorophenol	0.29	ug/L	000087-86-5	USEPA 525.2	525HERB_(WAT)	GCMS
Propachlor	0.026	ug/L	001918-16-7	USEPA 525.2	525HERB_(WAT)	GCMS
Simazine	0.022	ug/L	000122-34-9	USEPA 525.2	525HERB_(WAT)	GCMS

BASE NEUTRAL/ACID ORGANICS IN AQUEOUS HAZARDOUS WASTE, METHOD 8270

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Acenaphthene	0.12	ug/L	000083-32-9	USEPA 8270	8270_(WAT)	GCMS
Acenaphthylene	0.12	ug/L	000208-96-8	USEPA 8270	8270_(WAT)	GCMS
Acetophenone	0.19	ug/L	000098-86-2	USEPA 8270	8270_(WAT)	GCMS
2-Acetylaminofluorene	0.17	ug/L	000053-96-3	USEPA 8270	8270_(WAT)	GCMS
Aniline	0.59	ug/L	000062-53-3	USEPA 8270	8270_(WAT)	GCMS
Anthracene	0.15	ug/L	000120-12-7	USEPA 8270	8270_(WAT)	GCMS
Benz[a]anthracene	0.16	ug/L	000056-55-3	USEPA 8270	8270_(WAT)	GCMS
Benzo[a]pyrene	0.18	ug/L	000050-32-8	USEPA 8270	8270_(WAT)	GCMS
Benzo[b]fluoranthene	0.2	ug/L	000205-99-2	USEPA 8270	8270_(WAT)	GCMS
Benzo[g,h,i]perylene	0.3	ug/L	000191-24-2	USEPA 8270	8270_(WAT)	GCMS
Benzo[k]fluoranthene	0.2	ug/L	000207-08-9	USEPA 8270	8270_(WAT)	GCMS
Benzyl alcohol	0.16	ug/L	000100-51-6	USEPA 8270	8270_(WAT)	GCMS
bis(2-Chloroethoxy)methane	0.14	ug/L	000111-91-1	USEPA 8270	8270_(WAT)	GCMS
bis(2-Chloroethyl)ether	0.21	ug/L	000111-44-4	USEPA 8270	8270_(WAT)	GCMS
bis(2-Chloroisopropyl)ether	0.22	ug/L	000108-60-1	USEPA 8270	8270_(WAT)	GCMS
bis(2-Ethylhexyl)phthalate	0.2	ug/L	000117-81-7	USEPA 8270	8270_(WAT)	GCMS
4-Bromophenyl-phenylether	0.2	ug/L	000101-55-3	USEPA 8270	8270_(WAT)	GCMS
Butylbenzylphthalate	0.23	ug/L	000085-68-7	USEPA 8270	8270_(WAT)	GCMS
4-Chloro-3-methylphenol	0.3	ug/L	000059-50-7	USEPA 8270	8270_(WAT)	GCMS
2-Chloronaphthalene	0.12	ug/L	000091-58-7	USEPA 8270	8270_(WAT)	GCMS
2-Chlorophenol	0.17	ug/L	000095-57-8	USEPA 8270	8270_(WAT)	GCMS
4-Chlorophenyl-phenylether	0.19	ug/L	007005-72-3	USEPA 8270	8270_(WAT)	GCMS
Chrysene	0.15	ug/L	000218-01-9	USEPA 8270	8270_(WAT)	GCMS
Di-n-butylphthalate	0.24	ug/L	000084-74-2	USEPA 8270	8270_(WAT)	GCMS
Di-n-octylphthalate	0.14	ug/L	000117-84-0	USEPA 8270	8270_(WAT)	GCMS
Dibenz[a,h]anthracene	0.25	ug/L	000053-70-3	USEPA 8270	8270_(WAT)	GCMS
Dibenzofuran	0.12	ug/L	000132-64-9	USEPA 8270	8270_(WAT)	GCMS
1,3-Dichlorobenzene	0.28	ug/L	000541-73-1	USEPA 8270	8270_(WAT)	GCMS
1,4-Dichlorobenzene	0.26	ug/L	000106-46-7	USEPA 8270	8270_(WAT)	GCMS
1,2-Dichlorobenzene	0.23	ug/L	000095-50-1	USEPA 8270	8270_(WAT)	GCMS
3,3'-Dichlorobenzidine	0.37	ug/L	000091-94-1	USEPA 8270	8270_(WAT)	GCMS
2,6-Dichlorophenol	0.18	ug/L	000087-65-0	USEPA 8270	8270_(WAT)	GCMS
2,4-Dichlorophenol	0.18	ug/L	000120-83-2	USEPA 8270	8270_(WAT)	GCMS
Diethylphthalate	0.14	ug/L	000084-66-2	USEPA 8270	8270_(WAT)	GCMS
p-Dimethylaminoazobenzene	0.1	ug/L	000060-11-7	USEPA 8270	8270_(WAT)	GCMS
7,12-Dimethylbenz[a]anthracene	0.1	ug/L	000057-97-6	USEPA 8270	8270_(WAT)	GCMS
2,4-Dimethylphenol	0.23	ug/L	000105-67-9	USEPA 8270	8270_(WAT)	GCMS
Dimethylphthalate	0.15	ug/L	000131-11-3	USEPA 8270	8270_(WAT)	GCMS
4,6-Dinitro-2-methylphenol	1.1	ug/L	000534-52-1	USEPA 8270	8270_(WAT)	GCMS
1,3-Dinitrobenzene	0.1	ug/L	000099-65-0	USEPA 8270	8270_(WAT)	GCMS
2,4-Dinitrophenol	2.3	ug/L	000051-28-5	USEPA 8270	8270_(WAT)	GCMS
2,6-Dinitrotoluene	0.2	ug/L	000606-20-2	USEPA 8270	8270_(WAT)	GCMS
2,4-Dinitrotoluene	0.17	ug/L	000121-14-2	USEPA 8270	8270_(WAT)	GCMS
Dinoseb	1	ug/L	000088-85-7	USEPA 8270	8270_(WAT)	GCMS
Diphenylamine	0.73	ug/L	000122-39-4	USEPA 8270	8270_(WAT)	GCMS
Ethyl methanesulfonate	0.24	ug/L	000062-50-0	USEPA 8270	8270_(WAT)	GCMS
Fluoranthene	0.16	ug/L	000206-44-0	USEPA 8270	8270_(WAT)	GCMS
Fluorene	0.17	ug/L	000086-73-7	USEPA 8270	8270_(WAT)	GCMS

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Method Detection Limits

BASE NEUTRAL/ACID ORGANICS IN AQUEOUS HAZARDOUS WASTE, METHOD 8270

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
Hexachlorobenzene	0.11	ug/L	000118-74-1	USEPA 8270	8270_(WAT)	GCMS
Hexachlorobutadiene	0.24	ug/L	000087-68-3	USEPA 8270	8270_(WAT)	GCMS
Hexachlorocyclopentadiene	0.36	ug/L	000077-47-4	USEPA 8270	8270_(WAT)	GCMS
Hexachloroethane	0.22	ug/L	000067-72-1	USEPA 8270	8270_(WAT)	GCMS
Hexachloropropene	0.19	ug/L	001888-71-7	USEPA 8270	8270_(WAT)	GCMS
Indeno[1,2,3-cd]pyrene	0.23	ug/L	000193-39-5	USEPA 8270	8270_(WAT)	GCMS
Isophorone	0.19	ug/L	000078-59-1	USEPA 8270	8270_(WAT)	GCMS
Methyl methanesulfonate	0.15	ug/L	000066-27-3	USEPA 8270	8270_(WAT)	GCMS
3-Methylcholanthrene	0.45	ug/L	000056-49-5	USEPA 8270	8270_(WAT)	GCMS
2-Methylnaphthalene	0.15	ug/L	000091-57-6	USEPA 8270	8270_(WAT)	GCMS
3&4-Methylphenol	0.27	ug/L	000106-44-5	USEPA 8270	8270_(WAT)	GCMS
2-Methylphenol	0.14	ug/L	000095-48-7	USEPA 8270	8270_(WAT)	GCMS
N-Nitroso-di-n-butylamine	0.14	ug/L	000924-16-3	USEPA 8270	8270_(WAT)	GCMS
N-Nitroso-di-n-propylamine	0.2	ug/L	000621-64-7	USEPA 8270	8270_(WAT)	GCMS
N-Nitrosomorpholine	0.2	ug/L	000059-89-2	USEPA 8270	8270_(WAT)	GCMS
N-Nitrosopiperidine	0.1	ug/L	000100-75-4	USEPA 8270	8270_(WAT)	GCMS
N-Nitrosopyrrolidine	0.19	ug/L	000930-55-2	USEPA 8270	8270_(WAT)	GCMS
Naphthalene	0.19	ug/L	000091-20-3	USEPA 8270	8270_(WAT)	GCMS
1,4-Naphthoquinone	0.57	ug/L	000130-15-4	USEPA 8270	8270_(WAT)	GCMS
2-Nitroaniline	0.19	ug/L	000088-74-4	USEPA 8270	8270_(WAT)	GCMS
4-Nitroaniline	1.3	ug/L	000100-01-6	USEPA 8270	8270_(WAT)	GCMS
Nitrobenzene	0.18	ug/L	000098-95-3	USEPA 8270	8270_(WAT)	GCMS
4-Nitrophenol	1.1	ug/L	000100-02-7	USEPA 8270	8270_(WAT)	GCMS
2-Nitrophenol	0.15	ug/L	000088-75-5	USEPA 8270	8270_(WAT)	GCMS
Pentachlorobenzene	0.13	ug/L	000608-93-5	USEPA 8270	8270_(WAT)	GCMS
Pentachlorophenol	1.5	ug/L	000087-86-5	USEPA 8270	8270_(WAT)	GCMS
Phenacetin	0.12	ug/L	000062-44-2	USEPA 8270	8270_(WAT)	GCMS
Phenanthrene	0.15	ug/L	000085-01-8	USEPA 8270	8270_(WAT)	GCMS
Phenol	0.16	ug/L	000108-95-2	USEPA 8270	8270_(WAT)	GCMS
2-Picoline	0.15	ug/L	000109-06-8	USEPA 8270	8270_(WAT)	GCMS
Pronamide	0.13	ug/L	023950-58-5	USEPA 8270	8270_(WAT)	GCMS
Pyrene	0.17	ug/L	000129-00-0	USEPA 8270	8270_(WAT)	GCMS
Safrole	0.14	ug/L	000094-59-7	USEPA 8270	8270_(WAT)	GCMS
1,2,4,5-Tetrachlorobenzene	0.14	ug/L	000095-94-3	USEPA 8270	8270_(WAT)	GCMS
2,3,4,6-Tetrachlorophenol	0.2	ug/L	000058-90-2	USEPA 8270	8270_(WAT)	GCMS
1,2,4-Trichlorobenzene	0.2	ug/L	000120-82-1	USEPA 8270	8270_(WAT)	GCMS
2,4,6-Trichlorophenol	0.24	ug/L	000088-06-2	USEPA 8270	8270_(WAT)	GCMS
2,4,5-Trichlorophenol	0.14	ug/L	000095-95-4	USEPA 8270	8270_(WAT)	GCMS

ORGANIC COMPOUNDS, SAS305 IN WATER

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
o-Isopropyl-1,1-diphenylethane	0.15	ug/L	191044-60-7	OEPA 510.6	SAS-305_(WAT)	GCMS
m-Isopropyl-1,1-diphenylethane	0.084	ug/L	191044-59-4	OEPA 510.6	SAS-305_(WAT)	GCMS
p-Isopropyl-1,1-diphenylethane	0.13	ug/L	002320-06-01	OEPA 510.6	SAS-305_(WAT)	GCMS
p-Isopropyl-1,2-diphenylethane	0.11	ug/L	038842-20-5	OEPA 510.6	SAS-305_(WAT)	GCMS
SAS-305	0.21	ug/L	N/A	OEPA 510.6	SAS-305_(WAT)	GCMS

ORGANIC COMPOUNDS, SAS310 IN WATER

PARAMETER	MDL	UNITS	CAS NUMBER	REFERENCE	ANALYTICAL METHOD ELIMS	DESCRIPTION
o-sec-Butyl diphenylmethane	0.016	ug/L	101646-63-3	OEPA 510.1	SAS-310_(WAT)	GCMS
m-sec-Butyl diphenylmethane	0.041	ug/L	101646-63-3	OEPA 510.1	SAS-310_(WAT)	GCMS
p-sec-Butyl diphenylmethane	0.083	ug/L	101646-63-3	OEPA 510.1	SAS-310_(WAT)	GCMS
o-sec-Butyl 1,1-diphenylethane	0.0038	ug/L	101646-62-2	OEPA 510.1	SAS-310_(WAT)	GCMS
m-sec-Butyl 1,1-diphenylethane	0.032	ug/L	101646-62-2	OEPA 510.1	SAS-310_(WAT)	GCMS
p-sec-Butyl 1,1-diphenylethane	0.059	ug/L	101646-62-2	OEPA 510.1	SAS-310_(WAT)	GCMS
o-sec-Butyl 1,2-diphenylethane	0.0022	ug/L	142828-65-7	OEPA 510.1	SAS-310_(WAT)	GCMS
m-sec-Butyl 1,2-diphenylethane	0.011	ug/L	142828-65-7	OEPA 510.1	SAS-310_(WAT)	GCMS
p-sec-Butyl 1,2-diphenylethane	0.023	ug/L	142828-65-7	OEPA 510.1	SAS-310_(WAT)	GCMS
SAS-310	0.21	ug/L	N/A	OEPA 510.1	SAS-310_(WAT)	GCMS

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DATA QUALIFIER DEFINITIONS FOR INORGANIC ANALYSIS

A Results are attached.

B Analytical result is estimated. Analyte was detected in the associated method/trip/field blank as well as in the sample.

E Analyte was quantitated but the concentration exceeds the instrument's calibration range for that specific analysis. Sample could not be re-analyzed within the holding time.

J The analyte was positively identified, the associated numerical value is estimated.

J- The analyte was positively identified, the associated numerical value is estimated, but the actual value may be lower.

J+ The analyte was positively identified, the associated numerical value is estimated, but the actual value may be higher.

JL The reported result is estimated because it has been computed using a colony count that is not within the acceptable counting range. (Microbiological analysis only)

PQ Both analyte results are acceptable because they are within the precision quality control limits. This applies to co-analytes,such as,(cBOD-5 vs BOD-5; BOD-5 vs COD; NH3 vs TKN; Solids-Diss. vs Conductivity; Solids-Diss. vs Hardness; NO2-NO3 vs NO2).

PS The reported result is estimated because the sample was not submitted to the laboratory within the required shipping time. This prevented sample analysis within the required holding time.

PT Reported result is estimated because the sample was not analyzed within the required holding time.

R The analyte result is unusable because quality control criteria was not met.

RC The result is rejected because of poor correlation with its co-analyte, such as, (cBOD-5 vs BOD-5; BOD-5 vs COD; NH3 vs TKN; Solids-Diss. vs Conductivity; Solids-Diss. vs Hardness; Nitrate-Nitrite vs Nitrite).

UJ The analyte was not detected above the sample quantitation limit (QL). However, the reported QL is estimated.

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Division of Environmental Services

DATA QUALIFIER DEFINITIONS FOR ORGANIC ANALYSIS

A Results are attached.

B Analytical result is estimated. Analyte was detected in the associated method/trip/field blank as well as in the sample.

E Analyte was quantitated but the concentration exceeds the instrument's calibration range for that specific analysis. Sample could not be re-analyzed within the holding time.

J The analyte was positively identified, the associated numerical value is estimated.

J- The analyte was positively identified, the associated numerical value is estimated, but the actual value may be lower.

J+ The analyte was positively identified, the associated numerical value is estimated, but the actual value may be higher.

NJ Analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification".

P Analyte is quantitated for pesticide analysis and there is greater than 40% difference for detected concentrations from the two GC columns used for analysis.

PS The reported result is estimated because the sample was not submitted to the laboratory within the required shipping time. This prevented sample analysis within the required holding time.

PT Reported result is estimated because the sample was not analyzed within the required holding time.

R The analyte result is unusable because quality control criteria was not met.

RU The analyte result is unusable due to matrix interference in the sample. This interference prevents accurate interpretation of the analyte's identity. The presence or absence of the analyte cannot be verified.

U Analyte result is reported with the value between its reported quantitation limit and its lowest calibration standard.

UJ The analyte was not detected above the sample quantitation limit (QL). However, the reported QL is estimated.

ATTACHMENT B

N
MW-3
MW-4
MW-1s
MW-1
MW-2
MW-2s
MW-5s
MW-5
MW-6
462.2
462.1
462.0
461.9
461.8
461.7
461.6
461.5
461.4
461.3
461.2
Ohio EPA Correspondence
Etown C&DD Assessment
September 2013
Landfills_CDD_DSIWM
CDD_boundary
Etown_Prop_Boundary
Monitoring Wells
Recently Active Public Water Supply Wells
Recently Active Water Supply Wells
Etown Facility Water Supply Well
Wastewater treatment w/ dry well
Residential dry well
Potential Undocumented Septic
June 2013 Potentiometric Surface (mincurv)
Possible assessment area southwest of W-1s
Assessment well south of W-1s
Assessment well west of W-1s
Feet
0 100 200 300 400 500 1,000 1,500