First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

May 31, 2016

Ms. Colleen Grey
REPUBLIC SERVICES (McLean)
ANDREWS ENGINEERING, INC.
3300 Ginger Creek Drive
Springfield, IL 62711

Project ID: ADS/McLean Co. LF #2 GW
First Environmental File ID: 16-2559
Date Received: May 13, 2016

Dear Ms. Colleen Grey:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number 003811: effective 02/17/2016 through 02/28/2017.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Bill Mottashed
Project Manager

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Case Narrative

REPUBLIC SERVICES (McLean)

Project ID: **ADS/McLean Co. LF #2 GW**

Lab File ID: **16-2559**

Date Received: **May 13, 2016**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
16-2559-001	G218	5/12/2016 13:36
16-2559-002	G222	5/12/2016 12:10
16-2559-003	G110	5/12/2016 14:04
16-2559-004	G217	5/12/2016 13:10
16-2559-005	G219	5/12/2016 11:18
16-2559-006	G220	5/12/2016 9:21
16-2559-007	R223	5/12/2016 10:07
16-2559-008	Trip Blank	5/12/2016

Sample Batch Comments:

Sample acceptance criteria were met.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
<	Analyte not detected at or above the reporting limit.	L	LCS recovery outside control limits.
C	Sample received in an improper container for this test.	M	MS recovery outside control limits; LCS acceptable.
D	Surrogates diluted out; recovery not available.	P	Chemical preservation pH adjusted in lab.
E	Estimated result; concentration exceeds calibration range.	Q	Result was determined by a GC/MS database search.
G	Surrogate recovery outside control limits.	S	Analysis was subcontracted to another laboratory.
H	Analysis or extraction holding time exceeded.	W	Reporting limit elevated due to sample matrix.
J	Estimated result; concentration is less than routine RL but greater than MDL.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G218
Sample No: 16-2559-001

Date Collected: 05/12/16
Time Collected: 13:36
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Date Analyzed	Method	Flag
Ammonia (as N), Dissolved	3.73	0.10	mg/L	05/16/16	350.1R2.0	
Chloride, Dissolved	10	5	mg/L	05/18/16	4500Cl, E 1997	
Cyanide, Total	< 0.005	0.005	mg/L	05/17/16	335.4R1.0	
Nitrate (as N), Dissolved	< 0.10	0.10	mg/L	05/18/16	353.2R2.0	
Oil (Hexane soluble)	< 5	5	mg/L	05/18/16	1664B 2010	
Phenols	< 10	10	ug/L	05/24/16	420.4R1.0	
Sulfate, Dissolved	< 10	15	mg/L	05/16/16	375.2R2.0	J
Total Dissolved Solids	456	10	mg/L	05/18/16	2540C 1997	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G218
Sample No: 16-2559-001

Date Collected: 05/12/16
Time Collected: 13:36
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Dissolved Metals **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 05/26/16		Preparation Date: 05/26/16		
Arsenic, diss.	< 5	10	ug/L	J
Boron, diss.	239	50	ug/L	
Cadmium, diss.	< 1	5	ug/L	J
Chromium, diss.	< 1	5	ug/L	J
Lead, diss.	< 2	5	ug/L	J
Zinc, diss.	< 5	10	ug/L	J
Magnesium, diss.	40.6	0.5	mg/L	
Dissolved Mercury **Method: 7470A**				
Analysis Date: 05/25/16				
Mercury, diss.	< 0.5	0.5	ug/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/20/16				
Acetone	< 10.0	10.0	ug/L	
Acrylonitrile	< 100	100	ug/L	
Benzene	< 1.0	1.0	ug/L	
Bromobenzene	< 1.0	1.0	ug/L	
Bromochloromethane	< 1.0	1.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 2.0	2.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
n-Butylbenzene	< 1.0	1.0	ug/L	
sec-Butylbenzene	< 1.0	1.0	ug/L	
tert-Butylbenzene	< 1.0	1.0	ug/L	
Carbon disulfide	< 1.0	1.0	ug/L	
Carbon tetrachloride	< 1.0	1.0	ug/L	
Chlorobenzene	< 1.0	1.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 2.0	2.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 2.0	2.0	ug/L	
2-Chlorotoluene	< 1.0	1.0	ug/L	
4-Chlorotoluene	< 1.0	1.0	ug/L	
Dibromomethane	< 1.0	1.0	ug/L	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G218
Sample No: 16-2559-001

Date Collected: 05/12/16
Time Collected: 13:36
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 05/20/16				
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	
trans-1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 1.0	1.0	ug/L	
1,2-Dichloroethane	< 1.0	1.0	ug/L	
1,1-Dichloroethene	< 1.0	1.0	ug/L	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	
1,2-Dichloropropane	< 1.0	1.0	ug/L	
1,3-Dichloropropane	< 1.0	1.0	ug/L	
2,2-Dichloropropane	< 1.0	1.0	ug/L	
1,1-Dichloropropene	< 1.0	1.0	ug/L	
1,3-Dichloropropene (total)	< 1.0	1.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 1.0	1.0	ug/L	
Hexachlorobutadiene	< 5.0	5.0	ug/L	
2-Hexanone	< 1.0	10	ug/L	J
Iodomethane	< 1.0	1.0	ug/L	
Isopropylbenzene	< 1.0	1.0	ug/L	
p-Isopropyltoluene	< 1.0	1.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Naphthalene	< 5.0	5.0	ug/L	
n-Propylbenzene	< 1.0	1.0	ug/L	
Styrene	< 1.0	1.0	ug/L	
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	
Tetrachloroethene	< 1.0	1.0	ug/L	
Tetrahydrofuran	< 1.0	1.0	ug/L	
Toluene	< 1.0	1.0	ug/L	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G218
Sample No: 16-2559-001

Date Collected: 05/12/16
Time Collected: 13:36
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/20/16				
Trichloroethene	< 1.0	1.0	ug/L	
Trichlorofluoromethane	< 1.0	1.0	ug/L	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L	
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L	
Vinyl acetate	< 5.0	5.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 1.0	1.0	ug/L	
Volatile Organic Compounds (8011) **Method: 8011**				
Analysis Date: 05/30/16				
1,2-Dibromo-3-chloropropane	< 0.02	0.02	ug/L	
1,2-Dibromoethane (EDB)	< 0.05	0.05	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G222
Sample No: 16-2559-002

Date Collected: 05/12/16
Time Collected: 12:10
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Date Analyzed	Method	Flag
Ammonia (as N), Dissolved	4.42	0.10	mg/L	05/16/16	350.1R2.0	
Chloride, Dissolved	14	5	mg/L	05/18/16	4500Cl, E 1997	
Cyanide, Total	< 0.005	0.005	mg/L	05/17/16	335.4R1.0	
Nitrate (as N), Dissolved	< 0.10	0.10	mg/L	05/18/16	353.2R2.0	
Oil (Hexane soluble)	< 5	5	mg/L	05/18/16	1664B 2010	
Phenols	< 10	10	ug/L	05/20/16	420.4R1.0	
Sulfate, Dissolved	< 10	15	mg/L	05/16/16	375.2R2.0	J
Total Dissolved Solids	422	10	mg/L	05/18/16	2540C 1997	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G222
Sample No: 16-2559-002

Date Collected: 05/12/16
Time Collected: 12:10
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Dissolved Metals **Method: 6010C** **Preparation Method 3010A** Analysis Date: 05/26/16 Preparation Date: 05/26/16				
Arsenic, diss.	56	10	ug/L	
Boron, diss.	448	50	ug/L	
Cadmium, diss.	< 1	5	ug/L	J
Chromium, diss.	< 1	5	ug/L	J
Lead, diss.	< 2	5	ug/L	J
Zinc, diss.	< 5	10	ug/L	J
Magnesium, diss.	39.7	0.5	mg/L	
Dissolved Mercury **Method: 7470A** Analysis Date: 05/25/16				
Mercury, diss.	< 0.5	0.5	ug/L	
Volatile Organic Compounds **Method: 5030B/8260B** Analysis Date: 05/17/16				
Acetone	< 10.0	10.0	ug/L	
Acrylonitrile	< 100	100	ug/L	
Benzene	< 1.0	1.0	ug/L	
Bromobenzene	< 1.0	1.0	ug/L	
Bromochloromethane	< 1.0	1.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 2.0	2.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
n-Butylbenzene	< 1.0	1.0	ug/L	
sec-Butylbenzene	< 1.0	1.0	ug/L	
tert-Butylbenzene	< 1.0	1.0	ug/L	
Carbon disulfide	< 1.0	1.0	ug/L	
Carbon tetrachloride	< 1.0	1.0	ug/L	
Chlorobenzene	< 1.0	1.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 2.0	2.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 2.0	2.0	ug/L	
2-Chlorotoluene	< 1.0	1.0	ug/L	
4-Chlorotoluene	< 1.0	1.0	ug/L	
Dibromomethane	< 1.0	1.0	ug/L	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G222
Sample No: 16-2559-002

Date Collected: 05/12/16
Time Collected: 12:10
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 05/17/16				
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	
trans-1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 1.0	1.0	ug/L	
1,2-Dichloroethane	< 1.0	1.0	ug/L	
1,1-Dichloroethene	< 1.0	1.0	ug/L	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	
1,2-Dichloropropane	< 1.0	1.0	ug/L	
1,3-Dichloropropane	< 1.0	1.0	ug/L	
2,2-Dichloropropane	< 1.0	1.0	ug/L	
1,1-Dichloropropene	< 1.0	1.0	ug/L	
1,3-Dichloropropene (total)	< 1.0	1.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 1.0	1.0	ug/L	
Hexachlorobutadiene	< 5.0	5.0	ug/L	
2-Hexanone	< 1.0	10	ug/L	J
Iodomethane	< 1.0	1.0	ug/L	
Isopropylbenzene	< 1.0	1.0	ug/L	
p-Isopropyltoluene	< 1.0	1.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Naphthalene	< 5.0	5.0	ug/L	
n-Propylbenzene	< 1.0	1.0	ug/L	
Styrene	< 1.0	1.0	ug/L	
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	
Tetrachloroethene	< 1.0	1.0	ug/L	
Tetrahydrofuran	< 1.0	1.0	ug/L	
Toluene	< 1.0	1.0	ug/L	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G222
Sample No: 16-2559-002

Date Collected: 05/12/16
Time Collected: 12:10
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/17/16				
Trichloroethene	< 1.0	1.0	ug/L	
Trichlorofluoromethane	< 1.0	1.0	ug/L	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L	
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L	
Vinyl acetate	< 5.0	5.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 1.0	1.0	ug/L	
Volatile Organic Compounds (8011) **Method: 8011**				
Analysis Date: 05/30/16				
1,2-Dibromo-3-chloropropane	< 0.02	0.02	ug/L	
1,2-Dibromoethane (EDB)	< 0.05	0.05	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G110
Sample No: 16-2559-003

Date Collected: 05/12/16
Time Collected: 14:04
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Date Analyzed	Method	Flag
Ammonia (as N), Dissolved	4.19	0.10	mg/L	05/16/16	350.1R2.0	
Chloride, Dissolved	11	5	mg/L	05/18/16	4500Cl, E 1997	
Cyanide, Total	< 0.005	0.005	mg/L	05/17/16	335.4R1.0	
Nitrate (as N), Dissolved	< 0.10	0.10	mg/L	05/18/16	353.2R2.0	
Oil (Hexane soluble)	< 5	5	mg/L	05/18/16	1664B 2010	
Phenols	< 10	10	ug/L	05/20/16	420.4R1.0	
Sulfate, Dissolved	< 10	15	mg/L	05/16/16	375.2R2.0	J
Total Dissolved Solids	415	10	mg/L	05/18/16	2540C 1997	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G110
Sample No: 16-2559-003

Date Collected: 05/12/16
Time Collected: 14:04
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Dissolved Metals **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 05/26/16		Preparation Date: 05/26/16		
Arsenic, diss.	< 5	10	ug/L	J
Boron, diss.	219	50	ug/L	
Cadmium, diss.	< 1	5	ug/L	J
Chromium, diss.	< 1	5	ug/L	J
Lead, diss.	< 2	5	ug/L	J
Zinc, diss.	< 5	10	ug/L	J
Magnesium, diss.	41.0	0.5	mg/L	
Dissolved Mercury **Method: 7470A**				
Analysis Date: 05/25/16				
Mercury, diss.	< 0.5	0.5	ug/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/20/16				
Acetone	< 10.0	10.0	ug/L	
Acrylonitrile	< 100	100	ug/L	
Benzene	< 1.0	1.0	ug/L	
Bromobenzene	< 1.0	1.0	ug/L	
Bromochloromethane	< 1.0	1.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 2.0	2.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
n-Butylbenzene	< 1.0	1.0	ug/L	
sec-Butylbenzene	< 1.0	1.0	ug/L	
tert-Butylbenzene	< 1.0	1.0	ug/L	
Carbon disulfide	< 1.0	1.0	ug/L	
Carbon tetrachloride	< 1.0	1.0	ug/L	
Chlorobenzene	< 1.0	1.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 2.0	2.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 2.0	2.0	ug/L	
2-Chlorotoluene	< 1.0	1.0	ug/L	
4-Chlorotoluene	< 1.0	1.0	ug/L	
Dibromomethane	< 1.0	1.0	ug/L	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G110
Sample No: 16-2559-003

Date Collected: 05/12/16
Time Collected: 14:04
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 05/20/16				
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	
trans-1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 1.0	1.0	ug/L	
1,2-Dichloroethane	< 1.0	1.0	ug/L	
1,1-Dichloroethene	< 1.0	1.0	ug/L	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	
1,2-Dichloropropane	< 1.0	1.0	ug/L	
1,3-Dichloropropane	< 1.0	1.0	ug/L	
2,2-Dichloropropane	< 1.0	1.0	ug/L	
1,1-Dichloropropene	< 1.0	1.0	ug/L	
1,3-Dichloropropene (total)	< 1.0	1.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 1.0	1.0	ug/L	
Hexachlorobutadiene	< 5.0	5.0	ug/L	
2-Hexanone	< 1.0	10	ug/L	J
Iodomethane	< 1.0	1.0	ug/L	
Isopropylbenzene	< 1.0	1.0	ug/L	
p-Isopropyltoluene	< 1.0	1.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Naphthalene	< 5.0	5.0	ug/L	
n-Propylbenzene	< 1.0	1.0	ug/L	
Styrene	< 1.0	1.0	ug/L	
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	
Tetrachloroethene	< 1.0	1.0	ug/L	
Tetrahydrofuran	< 1.0	1.0	ug/L	
Toluene	< 1.0	1.0	ug/L	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G110
Sample No: 16-2559-003

Date Collected: 05/12/16
Time Collected: 14:04
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/20/16				
Trichloroethene	< 1.0	1.0	ug/L	
Trichlorofluoromethane	< 1.0	1.0	ug/L	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L	
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L	
Vinyl acetate	< 5.0	5.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 1.0	1.0	ug/L	
Volatile Organic Compounds (8011) **Method: 8011**				
Analysis Date: 05/30/16				
1,2-Dibromo-3-chloropropane	< 0.02	0.02	ug/L	
1,2-Dibromoethane (EDB)	< 0.05	0.05	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G217
Sample No: 16-2559-004

Date Collected: 05/12/16
Time Collected: 13:10
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Date Analyzed	Method	Flag
Ammonia (as N), Dissolved	3.03	0.10	mg/L	05/17/16	350.1R2.0	
Chloride, Dissolved	13	5	mg/L	05/18/16	4500Cl, E 1997	
Cyanide, Total	< 0.005	0.005	mg/L	05/17/16	335.4R1.0	
Nitrate (as N), Dissolved	< 0.10	0.10	mg/L	05/18/16	353.2R2.0	
Oil (Hexane soluble)	< 5	5	mg/L	05/18/16	1664B 2010	
Phenols	< 10	10	ug/L	05/20/16	420.4R1.0	
Sulfate, Dissolved	< 10	15	mg/L	05/16/16	375.2R2.0	J
Total Dissolved Solids	392	10	mg/L	05/18/16	2540C 1997	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G217
Sample No: 16-2559-004

Date Collected: 05/12/16
Time Collected: 13:10
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Dissolved Metals **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 05/26/16		Preparation Date: 05/26/16		
Arsenic, diss.	< 5	10	ug/L	J
Boron, diss.	115	50	ug/L	
Cadmium, diss.	< 1	5	ug/L	J
Chromium, diss.	< 1	5	ug/L	J
Lead, diss.	< 2	5	ug/L	J
Zinc, diss.	< 5	10	ug/L	J
Magnesium, diss.	35.3	0.5	mg/L	
Dissolved Mercury **Method: 7470A**				
Analysis Date: 05/25/16				
Mercury, diss.	< 0.5	0.5	ug/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/17/16				
Acetone	< 10.0	10.0	ug/L	
Acrylonitrile	< 100	100	ug/L	
Benzene	< 1.0	1.0	ug/L	
Bromobenzene	< 1.0	1.0	ug/L	
Bromochloromethane	< 1.0	1.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 2.0	2.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
n-Butylbenzene	< 1.0	1.0	ug/L	
sec-Butylbenzene	< 1.0	1.0	ug/L	
tert-Butylbenzene	< 1.0	1.0	ug/L	
Carbon disulfide	< 1.0	1.0	ug/L	
Carbon tetrachloride	< 1.0	1.0	ug/L	
Chlorobenzene	< 1.0	1.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 2.0	2.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 2.0	2.0	ug/L	
2-Chlorotoluene	< 1.0	1.0	ug/L	
4-Chlorotoluene	< 1.0	1.0	ug/L	
Dibromomethane	< 1.0	1.0	ug/L	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G217
Sample No: 16-2559-004

Date Collected: 05/12/16
Time Collected: 13:10
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 05/17/16				
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	
trans-1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 1.0	1.0	ug/L	
1,2-Dichloroethane	< 1.0	1.0	ug/L	
1,1-Dichloroethene	< 1.0	1.0	ug/L	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	
1,2-Dichloropropane	< 1.0	1.0	ug/L	
1,3-Dichloropropane	< 1.0	1.0	ug/L	
2,2-Dichloropropane	< 1.0	1.0	ug/L	
1,1-Dichloropropene	< 1.0	1.0	ug/L	
1,3-Dichloropropene (total)	< 1.0	1.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 1.0	1.0	ug/L	
Hexachlorobutadiene	< 5.0	5.0	ug/L	
2-Hexanone	< 1.0	10	ug/L	J
Iodomethane	< 1.0	1.0	ug/L	
Isopropylbenzene	< 1.0	1.0	ug/L	
p-Isopropyltoluene	< 1.0	1.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Naphthalene	< 5.0	5.0	ug/L	
n-Propylbenzene	< 1.0	1.0	ug/L	
Styrene	< 1.0	1.0	ug/L	
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	
Tetrachloroethene	< 1.0	1.0	ug/L	
Tetrahydrofuran	< 1.0	1.0	ug/L	
Toluene	< 1.0	1.0	ug/L	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G217
Sample No: 16-2559-004

Date Collected: 05/12/16
Time Collected: 13:10
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/17/16				
Trichloroethene	< 1.0	1.0	ug/L	
Trichlorofluoromethane	< 1.0	1.0	ug/L	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L	
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L	
Vinyl acetate	< 5.0	5.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 1.0	1.0	ug/L	
Volatile Organic Compounds (8011) **Method: 8011**				
Analysis Date: 05/30/16				
1,2-Dibromo-3-chloropropane	< 0.02	0.02	ug/L	
1,2-Dibromoethane (EDB)	< 0.05	0.05	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G219
Sample No: 16-2559-005

Date Collected: 05/12/16
Time Collected: 11:18
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Date Analyzed	Method	Flag
Ammonia (as N), Dissolved	3.83	0.10	mg/L	05/17/16	350.1R2.0	
Chloride, Dissolved	107	5	mg/L	05/19/16	4500Cl, E 1997	
Cyanide, Total	< 0.005	0.005	mg/L	05/17/16	335.4R1.0	
Nitrate (as N), Dissolved	< 0.10	0.10	mg/L	05/18/16	353.2R2.0	
Oil (Hexane soluble)	< 5	5	mg/L	05/18/16	1664B 2010	
Phenols	14	10	ug/L	05/24/16	420.4R1.0	
Sulfate, Dissolved	138	15	mg/L	05/17/16	375.2R2.0	
Total Dissolved Solids	1,190	10	mg/L	05/18/16	2540C 1997	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G219
Sample No: 16-2559-005

Date Collected: 05/12/16
Time Collected: 11:18
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Dissolved Metals **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 05/26/16		Preparation Date: 05/26/16		
Arsenic, diss.	< 5	10	ug/L	J
Boron, diss.	199	50	ug/L	
Cadmium, diss.	< 1	5	ug/L	J
Chromium, diss.	< 1	5	ug/L	J
Lead, diss.	2	5	ug/L	J
Zinc, diss.	< 5	10	ug/L	J
Magnesium, diss.	105	0.5	mg/L	
Dissolved Mercury **Method: 7470A**				
Analysis Date: 05/25/16				
Mercury, diss.	< 0.5	0.5	ug/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/17/16				
Acetone	< 10.0	10.0	ug/L	
Acrylonitrile	< 100	100	ug/L	
Benzene	1.5	1.0	ug/L	
Bromobenzene	< 1.0	1.0	ug/L	
Bromochloromethane	< 1.0	1.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 2.0	2.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
n-Butylbenzene	< 1.0	1.0	ug/L	
sec-Butylbenzene	< 1.0	1.0	ug/L	
tert-Butylbenzene	< 1.0	1.0	ug/L	
Carbon disulfide	< 1.0	1.0	ug/L	
Carbon tetrachloride	< 1.0	1.0	ug/L	
Chlorobenzene	< 1.0	1.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	4.6	2.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 2.0	2.0	ug/L	
2-Chlorotoluene	< 1.0	1.0	ug/L	
4-Chlorotoluene	< 1.0	1.0	ug/L	
Dibromomethane	< 1.0	1.0	ug/L	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G219
Sample No: 16-2559-005

Date Collected: 05/12/16
Time Collected: 11:18
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 05/17/16				
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	
trans-1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	1.8	1.0	ug/L	
1,2-Dichloroethane	4.7	1.0	ug/L	
1,1-Dichloroethene	< 1.0	1.0	ug/L	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	
1,2-Dichloropropane	< 1.0	1.0	ug/L	
1,3-Dichloropropane	< 1.0	1.0	ug/L	
2,2-Dichloropropane	< 1.0	1.0	ug/L	
1,1-Dichloropropene	< 1.0	1.0	ug/L	
1,3-Dichloropropene (total)	< 1.0	1.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 1.0	1.0	ug/L	
Hexachlorobutadiene	< 5.0	5.0	ug/L	
2-Hexanone	< 1.0	10	ug/L	J
Iodomethane	< 1.0	1.0	ug/L	
Isopropylbenzene	< 1.0	1.0	ug/L	
p-Isopropyltoluene	< 1.0	1.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Naphthalene	< 5.0	5.0	ug/L	
n-Propylbenzene	< 1.0	1.0	ug/L	
Styrene	< 1.0	1.0	ug/L	
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	
Tetrachloroethene	< 1.0	1.0	ug/L	
Tetrahydrofuran	5.8	1.0	ug/L	
Toluene	< 1.0	1.0	ug/L	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G219
Sample No: 16-2559-005

Date Collected: 05/12/16
Time Collected: 11:18
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/17/16				
Trichloroethene	< 1.0	1.0	ug/L	
Trichlorofluoromethane	< 1.0	1.0	ug/L	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L	
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L	
Vinyl acetate	< 5.0	5.0	ug/L	
Vinyl chloride	20.0	2.0	ug/L	
Xylene, Total	< 1.0	1.0	ug/L	
Volatile Organic Compounds (8011) **Method: 8011**				
Analysis Date: 05/30/16				
1,2-Dibromo-3-chloropropane	< 0.02	0.02	ug/L	
1,2-Dibromoethane (EDB)	< 0.05	0.05	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G220
Sample No: 16-2559-006

Date Collected: 05/12/16
Time Collected: 9:21
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Date Analyzed	Method	Flag
Ammonia (as N), Dissolved	4.17	0.10	mg/L	05/16/16	350.1R2.0	
Chloride, Dissolved	8	5	mg/L	05/18/16	4500Cl, E 1997	
Cyanide, Total	< 0.005	0.005	mg/L	05/17/16	335.4R1.0	
Nitrate (as N), Dissolved	< 0.10	0.10	mg/L	05/18/16	353.2R2.0	
Oil (Hexane soluble)	< 5	5	mg/L	05/18/16	1664B 2010	
Phenols	< 10	10	ug/L	05/20/16	420.4R1.0	
Sulfate, Dissolved	< 10	15	mg/L	05/16/16	375.2R2.0	J
Total Dissolved Solids	403	10	mg/L	05/18/16	2540C 1997	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G220
Sample No: 16-2559-006

Date Collected: 05/12/16
Time Collected: 9:21
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Dissolved Metals **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 05/26/16		Preparation Date: 05/26/16		
Arsenic, diss.	25	10	ug/L	
Boron, diss.	358	50	ug/L	
Cadmium, diss.	< 1	5	ug/L	J
Chromium, diss.	< 1	5	ug/L	J
Lead, diss.	< 2	5	ug/L	J
Zinc, diss.	< 5	10	ug/L	J
Magnesium, diss.	37.2	0.5	mg/L	
Dissolved Mercury **Method: 7470A**				
Analysis Date: 05/25/16				
Mercury, diss.	< 0.5	0.5	ug/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/17/16				
Acetone	< 10.0	10.0	ug/L	
Acrylonitrile	< 100	100	ug/L	
Benzene	< 1.0	1.0	ug/L	
Bromobenzene	< 1.0	1.0	ug/L	
Bromochloromethane	< 1.0	1.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 2.0	2.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
n-Butylbenzene	< 1.0	1.0	ug/L	
sec-Butylbenzene	< 1.0	1.0	ug/L	
tert-Butylbenzene	< 1.0	1.0	ug/L	
Carbon disulfide	< 1.0	1.0	ug/L	
Carbon tetrachloride	< 1.0	1.0	ug/L	
Chlorobenzene	< 1.0	1.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 2.0	2.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 2.0	2.0	ug/L	
2-Chlorotoluene	< 1.0	1.0	ug/L	
4-Chlorotoluene	< 1.0	1.0	ug/L	
Dibromomethane	< 1.0	1.0	ug/L	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G220
Sample No: 16-2559-006

Date Collected: 05/12/16
Time Collected: 9:21
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 05/17/16				
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	
trans-1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 1.0	1.0	ug/L	
1,2-Dichloroethane	< 1.0	1.0	ug/L	
1,1-Dichloroethene	< 1.0	1.0	ug/L	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	
1,2-Dichloropropane	< 1.0	1.0	ug/L	
1,3-Dichloropropane	< 1.0	1.0	ug/L	
2,2-Dichloropropane	< 1.0	1.0	ug/L	
1,1-Dichloropropene	< 1.0	1.0	ug/L	
1,3-Dichloropropene (total)	< 1.0	1.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 1.0	1.0	ug/L	
Hexachlorobutadiene	< 5.0	5.0	ug/L	
2-Hexanone	< 1.0	10	ug/L	J
Iodomethane	< 1.0	1.0	ug/L	
Isopropylbenzene	< 1.0	1.0	ug/L	
p-Isopropyltoluene	< 1.0	1.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Naphthalene	< 5.0	5.0	ug/L	
n-Propylbenzene	< 1.0	1.0	ug/L	
Styrene	< 1.0	1.0	ug/L	
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	
Tetrachloroethene	< 1.0	1.0	ug/L	
Tetrahydrofuran	< 1.0	1.0	ug/L	
Toluene	< 1.0	1.0	ug/L	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: G220
Sample No: 16-2559-006

Date Collected: 05/12/16
Time Collected: 9:21
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/17/16				
Trichloroethene	< 1.0	1.0	ug/L	
Trichlorofluoromethane	< 1.0	1.0	ug/L	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L	
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L	
Vinyl acetate	< 5.0	5.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 1.0	1.0	ug/L	
Volatile Organic Compounds (8011) **Method: 8011**				
Analysis Date: 05/30/16				
1,2-Dibromo-3-chloropropane	< 0.02	0.02	ug/L	
1,2-Dibromoethane (EDB)	< 0.05	0.05	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: R223
Sample No: 16-2559-007

Date Collected: 05/12/16
Time Collected: 10:07
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Date Analyzed	Method	Flag
Ammonia (as N), Dissolved	6.44	0.10	mg/L	05/16/16	350.1R2.0	
Chloride, Dissolved	7	5	mg/L	05/18/16	4500Cl, E 1997	
Cyanide, Total	< 0.005	0.005	mg/L	05/17/16	335.4R1.0	
Nitrate (as N), Dissolved	< 0.10	0.10	mg/L	05/18/16	353.2R2.0	
Oil (Hexane soluble)	< 5	5	mg/L	05/18/16	1664B 2010	
Phenols	< 10	10	ug/L	05/20/16	420.4R1.0	
Sulfate, Dissolved	21	15	mg/L	05/20/16	375.2R2.0	
Total Dissolved Solids	557	10	mg/L	05/18/16	2540C 1997	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: R223
Sample No: 16-2559-007

Date Collected: 05/12/16
Time Collected: 10:07
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Dissolved Metals **Method: 6010C**		**Preparation Method 3010A**		
Analysis Date: 05/26/16		Preparation Date: 05/26/16		
Arsenic, diss.	31	10	ug/L	
Boron, diss.	355	50	ug/L	
Cadmium, diss.	< 1	5	ug/L	J
Chromium, diss.	< 1	5	ug/L	J
Lead, diss.	< 2	5	ug/L	J
Zinc, diss.	< 5	10	ug/L	J
Magnesium, diss.	44.4	0.5	mg/L	
Dissolved Mercury **Method: 7470A**				
Analysis Date: 05/25/16				
Mercury, diss.	< 0.5	0.5	ug/L	
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/17/16				
Acetone	< 10.0	10.0	ug/L	
Acrylonitrile	< 100	100	ug/L	
Benzene	< 1.0	1.0	ug/L	
Bromobenzene	< 1.0	1.0	ug/L	
Bromochloromethane	< 1.0	1.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 2.0	2.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
n-Butylbenzene	< 1.0	1.0	ug/L	
sec-Butylbenzene	< 1.0	1.0	ug/L	
tert-Butylbenzene	< 1.0	1.0	ug/L	
Carbon disulfide	< 1.0	1.0	ug/L	
Carbon tetrachloride	< 1.0	1.0	ug/L	
Chlorobenzene	< 1.0	1.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 2.0	2.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 2.0	2.0	ug/L	
2-Chlorotoluene	< 1.0	1.0	ug/L	
4-Chlorotoluene	< 1.0	1.0	ug/L	
Dibromomethane	< 1.0	1.0	ug/L	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: R223
Sample No: 16-2559-007

Date Collected: 05/12/16
Time Collected: 10:07
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 05/17/16				
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	
trans-1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 1.0	1.0	ug/L	
1,2-Dichloroethane	< 1.0	1.0	ug/L	
1,1-Dichloroethene	< 1.0	1.0	ug/L	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	
1,2-Dichloropropane	< 1.0	1.0	ug/L	
1,3-Dichloropropane	< 1.0	1.0	ug/L	
2,2-Dichloropropane	< 1.0	1.0	ug/L	
1,1-Dichloropropene	< 1.0	1.0	ug/L	
1,3-Dichloropropene (total)	< 1.0	1.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 1.0	1.0	ug/L	
Hexachlorobutadiene	< 5.0	5.0	ug/L	
2-Hexanone	< 1.0	10	ug/L	J
Iodomethane	< 1.0	1.0	ug/L	
Isopropylbenzene	< 1.0	1.0	ug/L	
p-Isopropyltoluene	< 1.0	1.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Naphthalene	< 5.0	5.0	ug/L	
n-Propylbenzene	< 1.0	1.0	ug/L	
Styrene	< 1.0	1.0	ug/L	
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	
Tetrachloroethene	< 1.0	1.0	ug/L	
Tetrahydrofuran	< 1.0	1.0	ug/L	
Toluene	< 1.0	1.0	ug/L	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: R223
Sample No: 16-2559-007

Date Collected: 05/12/16
Time Collected: 10:07
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/17/16				
Trichloroethene	< 1.0	1.0	ug/L	
Trichlorofluoromethane	< 1.0	1.0	ug/L	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L	
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L	
Vinyl acetate	< 5.0	5.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 1.0	1.0	ug/L	
Volatile Organic Compounds (8011) **Method: 8011**				
Analysis Date: 05/30/16				
1,2-Dibromo-3-chloropropane	< 0.02	0.02	ug/L	
1,2-Dibromoethane (EDB)	< 0.05	0.05	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: Trip Blank
Sample No: 16-2559-008

Date Collected: 05/12/16
Time Collected:
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds	**Method: 5030B/8260B**			
Analysis Date: 05/17/16				
Acetone	< 10.0	10.0	ug/L	
Acrylonitrile	< 100	100	ug/L	
Benzene	< 1.0	1.0	ug/L	
Bromobenzene	< 1.0	1.0	ug/L	
Bromochloromethane	< 1.0	1.0	ug/L	
Bromodichloromethane	< 1.0	1.0	ug/L	
Bromoform	< 1.0	1.0	ug/L	
Bromomethane	< 2.0	2.0	ug/L	
2-Butanone (MEK)	< 10.0	10.0	ug/L	
n-Butylbenzene	< 1.0	1.0	ug/L	
sec-Butylbenzene	< 1.0	1.0	ug/L	
tert-Butylbenzene	< 1.0	1.0	ug/L	
Carbon disulfide	< 1.0	1.0	ug/L	
Carbon tetrachloride	< 1.0	1.0	ug/L	
Chlorobenzene	< 1.0	1.0	ug/L	
Chlorodibromomethane	< 1.0	1.0	ug/L	
Chloroethane	< 2.0	2.0	ug/L	
Chloroform	< 1.0	1.0	ug/L	
Chloromethane	< 2.0	2.0	ug/L	
2-Chlorotoluene	< 1.0	1.0	ug/L	
4-Chlorotoluene	< 1.0	1.0	ug/L	
Dibromomethane	< 1.0	1.0	ug/L	
1,2-Dichlorobenzene	< 1.0	1.0	ug/L	
1,3-Dichlorobenzene	< 1.0	1.0	ug/L	
1,4-Dichlorobenzene	< 1.0	1.0	ug/L	
trans-1,4-Dichloro-2-butene	< 1.0	1.0	ug/L	
Dichlorodifluoromethane	< 1.0	1.0	ug/L	
1,1-Dichloroethane	< 1.0	1.0	ug/L	
1,2-Dichloroethane	< 1.0	1.0	ug/L	
1,1-Dichloroethene	< 1.0	1.0	ug/L	
cis-1,2-Dichloroethene	< 1.0	1.0	ug/L	
trans-1,2-Dichloroethene	< 1.0	1.0	ug/L	
1,2-Dichloropropane	< 1.0	1.0	ug/L	
1,3-Dichloropropane	< 1.0	1.0	ug/L	
2,2-Dichloropropane	< 1.0	1.0	ug/L	
1,1-Dichloropropene	< 1.0	1.0	ug/L	

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Analytical Report

Client: REPUBLIC SERVICES (McLean)
Project ID: ADS/McLean Co. LF #2 GW
Sample ID: Trip Blank
Sample No: 16-2559-008

Date Collected: 05/12/16
Time Collected:
Date Received: 05/13/16
Date Reported: 05/31/16

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5030B/8260B**				
Analysis Date: 05/17/16				
1,3-Dichloropropene (total)	< 1.0	1.0	ug/L	
cis-1,3-Dichloropropene	< 1.0	1.0	ug/L	
trans-1,3-Dichloropropene	< 1.0	1.0	ug/L	
Ethylbenzene	< 1.0	1.0	ug/L	
Hexachlorobutadiene	< 5.0	5.0	ug/L	
2-Hexanone	< 1.0	10	ug/L	J
Iodomethane	< 1.0	1.0	ug/L	
Isopropylbenzene	< 1.0	1.0	ug/L	
p-Isopropyltoluene	< 1.0	1.0	ug/L	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/L	
Methylene chloride	< 5.0	5.0	ug/L	
Naphthalene	< 5.0	5.0	ug/L	
n-Propylbenzene	< 1.0	1.0	ug/L	
Styrene	< 1.0	1.0	ug/L	
1,1,1,2-Tetrachloroethane	< 1.0	1.0	ug/L	
1,1,2,2-Tetrachloroethane	< 1.0	1.0	ug/L	
Tetrachloroethene	< 1.0	1.0	ug/L	
Tetrahydrofuran	< 1.0	1.0	ug/L	
Toluene	< 1.0	1.0	ug/L	
1,1,1-Trichloroethane	< 1.0	1.0	ug/L	
1,1,2-Trichloroethane	< 1.0	1.0	ug/L	
1,2,3-Trichlorobenzene	< 1.0	1.0	ug/L	
1,2,4-Trichlorobenzene	< 1.0	1.0	ug/L	
Trichloroethene	< 1.0	1.0	ug/L	
Trichlorofluoromethane	< 1.0	1.0	ug/L	
1,2,3-Trichloropropane	< 1.0	1.0	ug/L	
1,2,4-Trimethylbenzene	< 1.0	1.0	ug/L	
1,3,5-Trimethylbenzene	< 1.0	1.0	ug/L	
Vinyl acetate	< 5.0	5.0	ug/L	
Vinyl chloride	< 2.0	2.0	ug/L	
Xylene, Total	< 1.0	1.0	ug/L	

CHAIN OF CUSTODY RECORD

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Fax (630) 778-1223

Andrews Engineering, Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711
phone: (217)787-2334 fax: (217) 787-9495
Send Report to: Colleen Grey

Republic Services
ADS/McLean Co. LF #2 - GW

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	G1	G2									Comments	Lab I.D.
5/12/16 1:36P	G218	W	X	X									16-2559-	001
5/12/16 12:10P	G222	W	X	X										002
5/12/16 2:04P	G110	W	X	X										003
[redacted]		W	X	X										
[redacted]		W	X	X										
[redacted]		W	X	X										
[redacted]		W	X	X										
[redacted]		W	X	X										
[redacted]		W	X	X										
[redacted]		W	X	X										
[redacted]		W	X	X										
[redacted]		W	X	X										

FOR LAB USE ONLY:

Cooler Temperature: 0.1 - 6 ° C ✓ Yes ___ No 3.0°C Containers Received Preserved: ✓ Yes ___ No

Received within 6 hours of collection: ___

Ice Present: ✓ Yes ___ No

Notes and Special Instructions: please email COC to Andrews Engineering, Inc. once logged in (cgrey@andrews-eng.com)

Relinquished by: Daniel J. Mackinson **Date/Time:** 5/13/16 7:30 AM **Received by:** [signature] **Date/Time:** 5/13/16 730

Relinquished by: ___ **Date/Time:** ___ **Received by:** ___ **Date/Time:** ___

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Naperville, Illinois 60563
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Fax (630) 778-1223

CHAIN OF CUSTODY RECORD

Andrews Engineering, Inc.
3300 Ginger Creek Drive
Springfield, Illinois 62711
phone: (217)787-2334 fax: (217) 787-9495
Send Report to: Colleen Grey

Republic Services
ADS/McLean Co. LF #2 - GW

Matrix Codes: S = Soil W = Water O = Other

Analyses

Date/Time Taken	Sample Description	Matrix	G1	G2	Comments	Lab I.D.
[redacted]	G214	W	X	X		
[redacted]	G216	W	X	X		
[redacted]	G218	W	X	X		
5/12/16 1:10P	G217	W	X	X	16-2559-	004
5/12/16 11:18A	G219	W	X	X		005
5/12/16 9:21A	G220	W	X	X		006
[redacted]	G221	W	X	X		
5/12/16 10 07A	R223	W	X	X		007
[redacted]	DUP	W	X	X		
	Trip Blank					008

FOR LAB USE ONLY:
Cooler Temperature: 0.1 - 6 ° C ✓ Yes ___ No 3.0°C Containers Received Preserved: ✓ Yes ___ No
Received within 6 hours of collection: ___
Ice Present: ✓ Yes ___ No

Notes and Special Instructions: please email COC to Andrews Engineering, Inc. once logged in (cgrey@andrews-eng.com)

Relinquished by: Daniel J. Mackinson **Date/Time:** 5/13/16 7:30 AM **Received by:** [signature] **Date/Time:** 5/13/16 730
Relinquished by: ___ **Date/Time:** ___ **Received by:** ___ **Date/Time:** ___