



Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2
Project/Facility Number: 1790305011 Date Received: 05/11/16
Funding Code: LP43 Visit Number:
Trip ID: Temperature C: 4.00
Client Sample ID: G17D Lab Sample ID: 16E0343-01
Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 9:40
Sample Type: Sample Depth: Total Depth: 0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 05/12/16 11:50
Units: ug/L Analyzed: 05/12/16 12:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 9:40
Sample Type:		Sample Depth:	
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<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G17D

Lab Sample ID: 16E0343-01

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 9:40

Sample Type:

Sample Depth:

Total Depth: 0

Semivolatiles by GC/MS

Method: 8270

Prepared: 05/12/16 08:42

Units: ug/L

Analyzed: 05/17/16 10:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	

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Trip ID:		Temperature C:	4.00
Client Sample ID:	G17D	Lab Sample ID:	16E0343-01
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 9:40
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 10:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	

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Method: 8270 Prepared: 05/12/16 08:42

Units: ug/L Analyzed: 05/17/16 10:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		1.5	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	
Azobenzene	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	

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		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 10:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Mestranol	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

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Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 9:40
Sample Type:		Sample Depth:	
		Total Depth:	0

Alkalinity by Standard Method 310.2

Method:	EPA 310.2	Prepared:	05/11/16 14:17
Units:	mg/L	Analyzed:	05/11/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	416		10.0	

Chloride by Ion Chromatography 300.0

Method:	EPA 300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 13:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	2.99		1.00	

Cyanide by EPA Method 335.4

Method:	335.4	Prepared:	05/16/16 09:08
Units:	mg/L	Analyzed:	05/16/16 15:15

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

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Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G17D Lab Sample ID: 16E0343-01

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 9:40

Sample Type: Sample Depth: Total Depth: 0

Fluoride by Ion Chromatography 300.0

Method: 300.0 Prepared: 05/13/16 07:38

Units: mg/L Analyzed: 05/13/16 13:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.33		0.10	

Mercury by EPA Method 245.1

Method: 245.1 Prepared: 05/19/16 07:47

Units: ug/L Analyzed: 05/20/16 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	0.23		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020 Prepared: 05/24/16 10:21

Units: ug/L Analyzed: 05/25/16 12:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	87.1		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G17D Lab Sample ID: 16E0343-01

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 9:40

Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: mg/L Analyzed: 05/27/16 10:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	71.4		0.30	100000
Magnesium	37.8		0.30	100000
Potassium	1.97		1.40	100000
Sodium	22.0		0.30	
Hardness	334		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: ug/L Analyzed: 05/27/16 10:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	164		5.00	
Beryllium	ND		1.00	
Boron	192		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	4680		50.0	40000
Manganese	17.8		15.0	
Nickel	ND		5.00	

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Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 9:40

Sample Type: Sample Depth: Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: ug/L Analyzed: 05/27/16 10:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	420		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 05/11/16 10:45

Units: mg/L Analyzed: 05/11/16 12:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1 Prepared: 05/12/16 09:52

Units: mg/L Analyzed: 05/12/16 09:52

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	4.14		0.10	

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Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G17D

Lab Sample ID: 16E0343-01

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 9:40

Sample Type:

Sample Depth:

Total Depth: 0

pH

Method: SM 4500H+B

Prepared: 05/12/16 11:43

Units: PH

Analyzed: 05/12/16 11:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.5	Q	0.1	

Phenols by EPA Method 420.4

Method: EPA 420.4

Prepared: 05/12/16 14:20

Units: ug/L

Analyzed: 05/12/16 14:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method: EPA 365.1

Prepared: 05/12/16 10:58

Units: mg/L

Analyzed: 05/13/16 12:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.258		0.0050	

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Trip ID:		Temperature C:	4.00
Client Sample ID:	G17D	Lab Sample ID:	16E0343-01
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 9:40
Sample Type:		Sample Depth:	
		Total Depth:	0

Specific Conductance by Standard Method 2510B

Method:	2510B	Prepared:	05/19/16 10:22
Units:	umho/cm	Analyzed:	05/19/16 10:25

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	724.0		10.00	

Sulfate by Ion Chromatography 300.0

Method:	300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 13:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C

Method:	SM 2540C	Prepared:	05/11/16 14:30
Units:	mg/L	Analyzed:	05/16/16 15:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids	398		10	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH =E37643). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received: 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G17Dd

Lab Sample ID: 16E0343-02

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 9:40

Sample Type:

Sample Depth:

Total Depth: 0

Alkalinity by Standard Method 310.2

Method: EPA 310.2

Prepared: 05/11/16 14:17

Units: mg/L

Analyzed: 05/11/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	416		10.0	

Chloride by Ion Chromatography 300.0

Method: EPA 300.0

Prepared: 05/13/16 07:38

Units: mg/L

Analyzed: 05/13/16 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	2.95		1.00	

Fluoride by Ion Chromatography 300.0

Method: 300.0

Prepared: 05/13/16 07:38

Units: mg/L

Analyzed: 05/13/16 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.31		0.10	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G17Dd Lab Sample ID: 16E0343-02

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 9:40

Sample Type: Sample Depth: Total Depth: 0

Mercury by EPA Method 245.1

Method: 245.1 Prepared: 05/19/16 07:47

Units: ug/L Analyzed: 05/20/16 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020 Prepared: 05/24/16 10:21

Units: ug/L Analyzed: 05/25/16 12:10

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	68.4		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: mg/L Analyzed: 05/27/16 10:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	70.7		0.30	100000
Magnesium	38.7		0.30	100000
Potassium	2.06		1.40	100000

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G17Dd Lab Sample ID: 16E0343-02

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 9:40

Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: mg/L Analyzed: 05/27/16 10:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sodium	22.6		0.30	
Hardness	336		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: ug/L Analyzed: 05/27/16 10:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	159		5.00	
Beryllium	ND		1.00	
Boron	194		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	3640		50.0	40000
Manganese	16.8		15.0	
Nickel	ND		5.00	
Silver	ND		3.00	
Strontium	433		5.00	
Vanadium	ND		5.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G17Dd

Lab Sample ID: 16E0343-02

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 9:40

Sample Type:

Sample Depth:

Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: ug/L

Analyzed: 05/27/16 10:41

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2

Prepared: 05/11/16 10:45

Units: mg/L

Analyzed: 05/11/16 12:57

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1

Prepared: 05/12/16 09:55

Units: mg/L

Analyzed: 05/12/16 09:55

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	4.09		0.10	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G17Dd	Lab Sample ID:	16E0343-02
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 9:40
Sample Type:		Sample Depth:	
		Total Depth:	0

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method:	EPA 365.1	Prepared:	05/12/16 11:00
Units:	mg/L	Analyzed:	05/13/16 15:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.224		0.0050	

Sulfate by Ion Chromatography 300.0

Method:	300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 13:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G05D Lab Sample ID: 16E0343-03

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 13:27

Sample Type: Sample Depth: Total Depth: 0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 05/12/16 11:50

Units: ug/L Analyzed: 05/12/16 12:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received : 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G05D Lab Sample ID: 16E0343-03

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 13:27

Sample Type: Sample Depth: Total Depth: 0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 05/12/16 11:50

Units: ug/L Analyzed: 05/12/16 12:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G05D Lab Sample ID: 16E0343-03

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 13:27

Sample Type: Sample Depth: Total Depth: 0

Semivolatiles by GC/MS

Method: 8270 Prepared: 05/12/16 08:42

Units: ug/L Analyzed: 05/17/16 11:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G05D	Lab Sample ID:	16E0343-03
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 13:27
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 11:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G05D	Lab Sample ID:	16E0343-03
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 13:27
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 11:17

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		1.5	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	
Azobenzene	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G05D	Lab Sample ID:	16E0343-03
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 13:27
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 11:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Mestranol	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G05D	Lab Sample ID:	16E0343-03
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 13:27
Sample Type:		Sample Depth:	
		Total Depth:	0

Alkalinity by Standard Method 310.2

Method:	EPA 310.2	Prepared:	05/11/16 14:17
Units:	mg/L	Analyzed:	05/11/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	422		10.0	

Chloride by Ion Chromatography 300.0

Method:	EPA 300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 13:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	3.25		1.00	

Cyanide by EPA Method 335.4

Method:	335.4	Prepared:	05/16/16 09:08
Units:	mg/L	Analyzed:	05/16/16 15:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G05D Lab Sample ID: 16E0343-03

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 13:27

Sample Type: Sample Depth: Total Depth: 0

Fluoride by Ion Chromatography 300.0

Method: 300.0 Prepared: 05/13/16 07:38

Units: mg/L Analyzed: 05/13/16 13:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.34		0.10	

Mercury by EPA Method 245.1

Method: 245.1 Prepared: 05/19/16 07:47

Units: ug/L Analyzed: 05/20/16 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020 Prepared: 05/24/16 10:21

Units: ug/L Analyzed: 05/25/16 12:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	55.3		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G05D

Lab Sample ID: 16E0343-03

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 13:27

Sample Type:

Sample Depth:

Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: mg/L

Analyzed: 05/27/16 10:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	105		0.30	100000
Magnesium	48.5		0.30	100000
Potassium	5.80		1.40	100000
Sodium	27.2		0.30	
Hardness	462		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: ug/L

Analyzed: 05/27/16 10:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	160		5.00	
Beryllium	ND		1.00	
Boron	192		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	20.7		10.0	
Iron	4560		50.0	40000
Manganese	112		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G05D

Lab Sample ID: 16E0343-03

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 13:27

Sample Type:

Sample Depth:

Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: ug/L

Analyzed: 05/27/16 10:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	976		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2

Prepared: 05/11/16 10:45

Units: mg/L

Analyzed: 05/11/16 12:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1

Prepared: 05/12/16 09:58

Units: mg/L

Analyzed: 05/12/16 09:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	0.90		0.10	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G05D

Lab Sample ID: 16E0343-03

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 13:27

Sample Type:

Sample Depth:

Total Depth: 0

pH

Method: SM 4500H+B

Prepared: 05/12/16 11:43

Units: PH

Analyzed: 05/12/16 11:46

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.3	Q	0.1	

Phenols by EPA Method 420.4

Method: EPA 420.4

Prepared: 05/12/16 14:20

Units: ug/L

Analyzed: 05/12/16 14:20

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method: EPA 365.1

Prepared: 05/12/16 11:00

Units: mg/L

Analyzed: 05/13/16 15:57

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.139		0.0050	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G05D	Lab Sample ID:	16E0343-03
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 13:27
Sample Type:		Sample Depth:	
		Total Depth:	0

Specific Conductance by Standard Method 2510B

Method:	2510B	Prepared:	05/19/16 10:22
Units:	umho/cm	Analyzed:	05/19/16 10:25

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	917.0		10.00	

Sulfate by Ion Chromatography 300.0

Method:	300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/27/16 11:34

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	103		20.0	

Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C

Method:	SM 2540C	Prepared:	05/11/16 14:30
Units:	mg/L	Analyzed:	05/16/16 15:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids	534		10	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G05Dd

Lab Sample ID: 16E0343-04

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 13:27

Sample Type:

Sample Depth:

Total Depth: 0

Alkalinity by Standard Method 310.2

Method: EPA 310.2

Prepared: 05/11/16 14:17

Units: mg/L

Analyzed: 05/11/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	416		10.0	

Chloride by Ion Chromatography 300.0

Method: EPA 300.0

Prepared: 05/13/16 07:38

Units: mg/L

Analyzed: 05/13/16 13:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	3.12		1.00	

Fluoride by Ion Chromatography 300.0

Method: 300.0

Prepared: 05/13/16 07:38

Units: mg/L

Analyzed: 05/13/16 13:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.32		0.10	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G05Dd

Lab Sample ID: 16E0343-04

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 13:27

Sample Type:

Sample Depth:

Total Depth: 0

Mercury by EPA Method 245.1

Method: 245.1

Prepared: 05/19/16 07:47

Units: ug/L

Analyzed: 05/20/16 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020

Prepared: 05/24/16 10:21

Units: ug/L

Analyzed: 05/25/16 12:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	27.7		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: mg/L

Analyzed: 05/27/16 10:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	95.1		0.30	100000
Magnesium	44.9		0.30	100000
Potassium	4.74		1.40	100000

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G05Dd	Lab Sample ID:	16E0343-04
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 13:27
Sample Type:		Sample Depth:	
		Total Depth:	0

Metals (Minerals) by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	05/24/16 10:07
Units:	mg/L	Analyzed:	05/27/16 10:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sodium	25.4		0.30	
Hardness	422		1.98	

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	05/24/16 10:07
Units:	ug/L	Analyzed:	05/27/16 10:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	151		5.00	
Beryllium	ND		1.00	
Boron	194		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	1730		50.0	40000
Manganese	101		15.0	
Nickel	ND		5.00	
Silver	ND		3.00	
Strontium	791		5.00	
Vanadium	ND		5.00	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G05Dd	Lab Sample ID:	16E0343-04
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 13:27
Sample Type:		Sample Depth:	
		Total Depth:	0

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	05/24/16 10:07
Units:	ug/L	Analyzed:	05/27/16 10:48

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method:	353.2	Prepared:	05/11/16 10:45
Units:	mg/L	Analyzed:	05/11/16 12:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method:	EPA 350.1	Prepared:	05/12/16 10:01
Units:	mg/L	Analyzed:	05/12/16 10:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	0.92		0.10	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G05Dd	Lab Sample ID:	16E0343-04
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 13:27
Sample Type:		Sample Depth:	
		Total Depth:	0

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method:	EPA 365.1	Prepared:	05/12/16 11:00
Units:	mg/L	Analyzed:	05/13/16 15:58

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.0590		0.0050	

Sulfate by Ion Chromatography 300.0

Method:	300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 13:58

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	85.0		10.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G13D Lab Sample ID: 16E0343-05

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 11:10

Sample Type: Sample Depth: Total Depth: 0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 05/12/16 11:50

Units: ug/L Analyzed: 05/12/16 13:09

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G13D Lab Sample ID: 16E0343-05

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 11:10

Sample Type: Sample Depth: Total Depth: 0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 05/12/16 11:50

Units: ug/L Analyzed: 05/12/16 13:09

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G13D	Lab Sample ID:	16E0343-05
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 11:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G13D	Lab Sample ID:	16E0343-05
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 11:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G13D

Lab Sample ID: 16E0343-05

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 11:10

Sample Type:

Sample Depth:

Total Depth: 0

Semivolatiles by GC/MS

Method: 8270

Prepared: 05/12/16 08:42

Units: ug/L

Analyzed: 05/17/16 11:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		1.5	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	
Azobenzene	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received:	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G13D	Lab Sample ID:	16E0343-05
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 11:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Mestranol	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G13D	Lab Sample ID:	16E0343-05
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Alkalinity by Standard Method 310.2

Method:	EPA 310.2	Prepared:	05/11/16 14:17
Units:	mg/L	Analyzed:	05/11/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	398		10.0	

Chloride by Ion Chromatography 300.0

Method:	EPA 300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	2.99		1.00	

Cyanide by EPA Method 335.4

Method:	335.4	Prepared:	05/16/16 09:08
Units:	mg/L	Analyzed:	05/16/16 15:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G13D

Lab Sample ID: 16E0343-05

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 11:10

Sample Type:

Sample Depth:

Total Depth: 0

Fluoride by Ion Chromatography 300.0

Method: 300.0

Prepared: 05/13/16 07:38

Units: mg/L

Analyzed: 05/13/16 14:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.30		0.10	

Mercury by EPA Method 245.1

Method: 245.1

Prepared: 05/19/16 07:47

Units: ug/L

Analyzed: 05/20/16 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020

Prepared: 05/24/16 10:21

Units: ug/L

Analyzed: 05/25/16 12:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	27.6		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received : 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G13D Lab Sample ID: 16E0343-05

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 11:10

Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: mg/L Analyzed: 05/27/16 10:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	66.1		0.30	100000
Magnesium	40.6		0.30	100000
Potassium	1.96		1.40	100000
Sodium	21.7		0.30	
Hardness	332		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: ug/L Analyzed: 05/27/16 10:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	138		60.0	40000
Barium	80.2		5.00	
Beryllium	ND		1.00	
Boron	195		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	7030		50.0	40000
Manganese	152		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G13D Lab Sample ID: 16E0343-05

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 11:10

Sample Type: Sample Depth: Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: ug/L Analyzed: 05/27/16 10:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	372		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 05/11/16 10:45

Units: mg/L Analyzed: 05/11/16 13:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1 Prepared: 05/12/16 10:03

Units: mg/L Analyzed: 05/12/16 10:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	1.46		0.10	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G13D	Lab Sample ID:	16E0343-05
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

pH

Method:	SM 4500H+B	Prepared:	05/12/16 11:43
Units:	PH	Analyzed:	05/12/16 11:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.6	Q	0.1	

Phenols by EPA Method 420.4

Method:	EPA 420.4	Prepared:	05/12/16 14:20
Units:	ug/L	Analyzed:	05/12/16 14:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method:	EPA 365.1	Prepared:	05/12/16 11:00
Units:	mg/L	Analyzed:	05/13/16 15:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.0600		0.0050	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G13D

Lab Sample ID: 16E0343-05

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 11:10

Sample Type:

Sample Depth:

Total Depth: 0

Specific Conductance by Standard Method 2510B

Method: 2510B

Prepared: 05/19/16 10:22

Units: umho/cm

Analyzed: 05/19/16 10:25

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	697.0		10.00	

Sulfate by Ion Chromatography 300.0

Method: 300.0

Prepared: 05/13/16 07:38

Units: mg/L

Analyzed: 05/13/16 14:08

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C

Method: SM 2540C

Prepared: 05/11/16 14:30

Units: mg/L

Analyzed: 05/16/16 15:54

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids	366		10	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G13Dd	Lab Sample ID:	16E0343-06
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Alkalinity by Standard Method 310.2

Method:	EPA 310.2	Prepared:	05/11/16 14:17
Units:	mg/L	Analyzed:	05/11/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	398		10.0	

Chloride by Ion Chromatography 300.0

Method:	EPA 300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	2.80		1.00	

Fluoride by Ion Chromatography 300.0

Method:	300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.30		0.10	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G13Dd

Lab Sample ID: 16E0343-06

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 11:10

Sample Type:

Sample Depth:

Total Depth: 0

Mercury by EPA Method 245.1

Method: 245.1

Prepared: 05/19/16 07:47

Units: ug/L

Analyzed: 05/20/16 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020

Prepared: 05/24/16 10:21

Units: ug/L

Analyzed: 05/25/16 12:23

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	36.4		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: mg/L

Analyzed: 05/27/16 11:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	68.3		0.30	100000
Magnesium	40.9		0.30	100000
Potassium	1.94		1.40	100000

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G13Dd

Lab Sample ID: 16E0343-06

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 11:10

Sample Type:

Sample Depth:

Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: mg/L

Analyzed: 05/27/16 11:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sodium	22.2		0.30	
Hardness	339		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: ug/L

Analyzed: 05/27/16 11:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	80.6		5.00	
Beryllium	ND		1.00	
Boron	195		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	6850		50.0	40000
Manganese	135		15.0	
Nickel	ND		5.00	
Silver	ND		3.00	
Strontium	390		5.00	
Vanadium	ND		5.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G13Dd Lab Sample ID: 16E0343-06

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 11:10

Sample Type: Sample Depth: Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: ug/L Analyzed: 05/27/16 11:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 05/11/16 10:45

Units: mg/L Analyzed: 05/11/16 13:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1 Prepared: 05/12/16 10:06

Units: mg/L Analyzed: 05/12/16 10:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	1.40		0.10	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G13Dd	Lab Sample ID:	16E0343-06
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method:	EPA 365.1	Prepared:	05/12/16 11:00
Units:	mg/L	Analyzed:	05/13/16 15:59

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.0580		0.0050	

Sulfate by Ion Chromatography 300.0

Method:	300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G39D	Lab Sample ID:	16E0343-07
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	05/12/16 11:50
Units:	ug/L	Analyzed:	05/12/16 13:43

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received : 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G39D Lab Sample ID: 16E0343-07

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 11:10

Sample Type: Sample Depth: Total Depth: 0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 05/12/16 11:50

Units: ug/L Analyzed: 05/12/16 13:43

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G39D

Lab Sample ID: 16E0343-07

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 11:10

Sample Type:

Sample Depth:

Total Depth: 0

Semivolatiles by GC/MS

Method: 8270

Prepared: 05/12/16 08:42

Units: ug/L

Analyzed: 05/17/16 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G39D	Lab Sample ID:	16E0343-07
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G39D	Lab Sample ID:	16E0343-07
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		1.5	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	
Azobenzene	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G39D

Lab Sample ID: 16E0343-07

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 11:10

Sample Type:

Sample Depth:

Total Depth: 0

Semivolatiles by GC/MS

Method: 8270

Prepared: 05/12/16 08:42

Units: ug/L

Analyzed: 05/17/16 12:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Mestranol	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G39D	Lab Sample ID:	16E0343-07
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Alkalinity by Standard Method 310.2

Method:	EPA 310.2	Prepared:	05/11/16 14:17
Units:	mg/L	Analyzed:	05/11/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	402		10.0	

Chloride by Ion Chromatography 300.0

Method:	EPA 300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:27

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	2.81		1.00	

Cyanide by EPA Method 335.4

Method:	335.4	Prepared:	05/16/16 09:08
Units:	mg/L	Analyzed:	05/16/16 15:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G39D	Lab Sample ID:	16E0343-07
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Fluoride by Ion Chromatography 300.0

Method:	300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:27

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.34		0.10	

Mercury by EPA Method 245.1

Method:	245.1	Prepared:	05/19/16 07:47
Units:	ug/L	Analyzed:	05/20/16 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method:	6020	Prepared:	05/24/16 10:21
Units:	ug/L	Analyzed:	05/25/16 12:32

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	26.6		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2
Project/Facility Number: 1790305011 Date Received: 05/11/16
Funding Code: LP43 Visit Number:
Trip ID: Temperature C: 4.00
Client Sample ID: G39D Lab Sample ID: 16E0343-07
Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 11:10
Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07
Units: mg/L Analyzed: 05/27/16 11:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	68.3		0.30	100000
Magnesium	40.2		0.30	100000
Potassium	1.89		1.40	100000
Sodium	21.7		0.30	
Hardness	336		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07
Units: ug/L Analyzed: 05/27/16 11:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	108		60.0	40000
Barium	74.7		5.00	
Beryllium	ND		1.00	
Boron	194		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	5290		50.0	40000
Manganese	143		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: **G39D**

Lab Sample ID: **16E0343-07**

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 11:10

Sample Type:

Sample Depth:

Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: ug/L

Analyzed: 05/27/16 11:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	378		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2

Prepared: 05/11/16 10:45

Units: mg/L

Analyzed: 05/11/16 13:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1

Prepared: 05/12/16 10:15

Units: mg/L

Analyzed: 05/12/16 10:15

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	1.46		0.10	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G39D

Lab Sample ID: 16E0343-07

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 11:10

Sample Type:

Sample Depth:

Total Depth: 0

pH

Method: SM 4500H+B

Prepared: 05/12/16 11:43

Units: PH

Analyzed: 05/12/16 11:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.5	Q	0.1	

Phenols by EPA Method 420.4

Method: EPA 420.4

Prepared: 05/12/16 14:20

Units: ug/L

Analyzed: 05/12/16 14:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method: EPA 365.1

Prepared: 05/12/16 11:00

Units: mg/L

Analyzed: 05/13/16 16:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.0620		0.0050	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G39D	Lab Sample ID:	16E0343-07
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Specific Conductance by Standard Method 2510B

Method:	2510B	Prepared:	05/19/16 10:22
Units:	umho/cm	Analyzed:	05/19/16 10:25

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	698.0		10.00	

Sulfate by Ion Chromatography 300.0

Method:	300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:27

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C

Method:	SM 2540C	Prepared:	05/11/16 14:30
Units:	mg/L	Analyzed:	05/16/16 15:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids	376		10	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G39Dd	Lab Sample ID:	16E0343-08
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Alkalinity by Standard Method 310.2

Method:	EPA 310.2	Prepared:	05/11/16 14:17
Units:	mg/L	Analyzed:	05/11/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	392		10.0	

Chloride by Ion Chromatography 300.0

Method:	EPA 300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	2.82		1.00	

Fluoride by Ion Chromatography 300.0

Method:	300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.30		0.10	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G39Dd Lab Sample ID: 16E0343-08

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 11:10

Sample Type: Sample Depth: Total Depth: 0

Mercury by EPA Method 245.1

Method: 245.1 Prepared: 05/19/16 07:47

Units: ug/L Analyzed: 05/20/16 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020 Prepared: 05/24/16 10:21

Units: ug/L Analyzed: 05/25/16 12:36

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	37.9		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: mg/L Analyzed: 05/27/16 11:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	67.7		0.30	100000
Magnesium	40.7		0.30	100000
Potassium	1.91		1.40	100000

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G39Dd Lab Sample ID: 16E0343-08

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 11:10

Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: mg/L Analyzed: 05/27/16 11:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sodium	21.8		0.30	
Hardness	337		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: ug/L Analyzed: 05/27/16 11:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	78.4		5.00	
Beryllium	ND		1.00	
Boron	192		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	7030		50.0	40000
Manganese	135		15.0	
Nickel	ND		5.00	
Silver	ND		3.00	
Strontium	380		5.00	
Vanadium	ND		5.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G39Dd Lab Sample ID: 16E0343-08

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 11:10

Sample Type: Sample Depth: Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: ug/L Analyzed: 05/27/16 11:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 05/11/16 10:45

Units: mg/L Analyzed: 05/11/16 13:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1 Prepared: 05/12/16 10:18

Units: mg/L Analyzed: 05/12/16 10:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	1.40		0.10	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G39Dd	Lab Sample ID:	16E0343-08
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 11:10
Sample Type:		Sample Depth:	
		Total Depth:	0

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method:	EPA 365.1	Prepared:	05/12/16 11:00
Units:	mg/L	Analyzed:	05/13/16 16:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.0540		0.0050	

Sulfate by Ion Chromatography 300.0

Method:	300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G03D	Lab Sample ID:	16E0343-09
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 12:40
Sample Type:		Sample Depth:	
		Total Depth:	0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method:	8260	Prepared:	05/12/16 11:50
Units:	ug/L	Analyzed:	05/12/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G03D Lab Sample ID: 16E0343-09

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 12:40

Sample Type: Sample Depth: Total Depth: 0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 05/12/16 11:50

Units: ug/L Analyzed: 05/12/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G03D

Lab Sample ID: 16E0343-09

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 12:40

Sample Type:

Sample Depth:

Total Depth: 0

Semivolatiles by GC/MS

Method: 8270

Prepared: 05/12/16 08:42

Units: ug/L

Analyzed: 05/17/16 12:38

<u>Analvte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine	ND		1.5	
2-Picoline	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Phenol	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
2-Chlorophenol	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
2-Methylphenol	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
Acetophenone	ND		1.5	
4-Methylphenol	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
Hexachloroethane	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
Isophorone	ND		1.5	
2-Nitrophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G03D	Lab Sample ID:	16E0343-09
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 12:40
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 12:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Naphthalene	ND		1.5	
4-Chloroaniline	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
Hexachloropropene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
Isosafrole	ND		1.5	
2-Methylnaphthalene	ND		1.5	
1,2,4,5-Tetrachlorobenzene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
Safrole	ND		1.5	
2-Chloronaphthalene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
2-Nitroaniline	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
Dimethylphthalate	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
Acenaphthylene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
3-Nitroaniline	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G03D	Lab Sample ID:	16E0343-09
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 12:40
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 12:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Acenaphthene	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
4-Nitrophenol	ND		1.5	
Dibenzofuran	ND		1.5	
2,4-Dinitrotoluene	ND		1.5	
Pentachlorobenzene	ND		1.5	
1-Naphthylamine	ND		1.5	
2-Naphthylamine	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
Diethylphthalate	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
Fluorene	ND		1.5	
4-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
Diphenylamine	ND		1.5	
Azobenzene	ND		1.5	
Phenacetin	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
Hexachlorobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Pronamide	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Phenanthrene	ND		1.5	
Anthracene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G03D	Lab Sample ID:	16E0343-09
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 12:40
Sample Type:		Sample Depth:	
		Total Depth:	0

Semivolatiles by GC/MS

Method:	8270	Prepared:	05/12/16 08:42
Units:	ug/L	Analyzed:	05/17/16 12:38

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbazole	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
Di-n-butylphthalate	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
Isodrin	ND		1.5	
Fluoranthene	ND		1.5	
Pyrene	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
3,3-Dichlorobenzidine	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Chrysene	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Mestranol	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Benzo(b)fluoranthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Benzo(a)pyrene	ND		1.5	
Indeno(1,2,3-cd)pyrene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G03D	Lab Sample ID:	16E0343-09
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 12:40
Sample Type:		Sample Depth:	
		Total Depth:	0

Alkalinity by Standard Method 310.2

Method:	EPA 310.2	Prepared:	05/11/16 14:17
Units:	mg/L	Analyzed:	05/11/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	409		10.0	

Chloride by Ion Chromatography 300.0

Method:	EPA 300.0	Prepared:	05/13/16 07:38
Units:	mg/L	Analyzed:	05/13/16 14:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	1.95		1.00	

Cyanide by EPA Method 335.4

Method:	335.4	Prepared:	05/16/16 09:08
Units:	mg/L	Analyzed:	05/16/16 15:19

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Cyanide	ND		0.005	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G03D Lab Sample ID: 16E0343-09

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 12:40

Sample Type: Sample Depth: Total Depth: 0

Fluoride by Ion Chromatography 300.0

Method: 300.0 Prepared: 05/13/16 07:38

Units: mg/L Analyzed: 05/13/16 14:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.38		0.10	

Mercury by EPA Method 245.1

Method: 245.1 Prepared: 05/19/16 07:47

Units: ug/L Analyzed: 05/20/16 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	0.08		0.06	

Metals by EPA 6000/7000 Series Methods

Method: 6020 Prepared: 05/24/16 10:21

Units: ug/L Analyzed: 05/25/16 12:39

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	60.4		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Client Sample ID: G03D

Lab Sample ID: 16E0343-09

Matrix: Water

Collected By: REM

Date/Time Collected: 05/10/16 12:40

Sample Type:

Sample Depth:

Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: mg/L

Analyzed: 05/27/16 11:10

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	70.8		0.30	100000
Magnesium	38.1		0.30	100000
Potassium	1.99		1.40	100000
Sodium	22.4		0.30	
Hardness	333		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010

Prepared: 05/24/16 10:07

Units: ug/L

Analyzed: 05/27/16 11:10

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	160		5.00	
Beryllium	ND		1.00	
Boron	208		10.0	
Cadmium	ND		3.00	
Chromium	6.59		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	2240		50.0	40000
Manganese	74.7		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G03D Lab Sample ID: 16E0343-09

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 12:40

Sample Type: Sample Depth: Total Depth: 0

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: ug/L Analyzed: 05/27/16 11:10

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	433		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method: 353.2 Prepared: 05/11/16 10:45

Units: mg/L Analyzed: 05/11/16 13:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method: EPA 350.1 Prepared: 05/12/16 10:21

Units: mg/L Analyzed: 05/12/16 10:21

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	1.20		0.10	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2
Project/Facility Number: 1790305011 Date Received : 05/11/16
Funding Code: LP43 Visit Number:
Trip ID: Temperature C: 4.00
Client Sample ID: G03D Lab Sample ID: 16E0343-09
Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 12:40
Sample Type: Sample Depth: Total Depth: 0

pH

Method: SM 4500H+B Prepared: 05/12/16 11:43
Units: PH Analyzed: 05/12/16 11:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.4	Q	0.1	

Phenols by EPA Method 420.4

Method: EPA 420.4 Prepared: 05/12/16 14:20
Units: ug/L Analyzed: 05/12/16 14:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	ND		10.0	

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method: EPA 365.1 Prepared: 05/12/16 11:00
Units: mg/L Analyzed: 05/13/16 16:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.212		0.0050	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2
Project/Facility Number: 1790305011 Date Received: 05/11/16
Funding Code: LP43 Visit Number:
Trip ID: Temperature C: 4.00
Client Sample ID: G03D Lab Sample ID: 16E0343-09
Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 12:40
Sample Type: Sample Depth: Total Depth: 0

Specific Conductance by Standard Method 2510B

Method: 2510B Prepared: 05/19/16 10:22
Units: umho/cm Analyzed: 05/19/16 10:25

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	702.0		10.00	

Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 05/13/16 07:38
Units: mg/L Analyzed: 05/13/16 14:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

Total Dissolved Solids, Gravimetric, Dried at 180oC by Std. Method 2540C

Method: SM 2540C Prepared: 05/11/16 14:30
Units: mg/L Analyzed: 05/16/16 15:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids	414		10	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2
Project/Facility Number: 1790305011 Date Received : 05/11/16
Funding Code: LP43 Visit Number: .
Trip ID: Temperature C: 4.00
Client Sample ID: G03Dd Lab Sample ID: 16E0343-10
Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 12:40
Sample Type: Sample Depth: Total Depth: 0

Alkalinity by Standard Method 310.2

Method: EPA 310.2 Prepared: 05/11/16 14:17
Units: mg/L Analyzed: 05/11/16 14:17

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Alkalinity	407		10.0	

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 05/13/16 07:38
Units: mg/L Analyzed: 05/13/16 14:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	1.97		1.00	

Fluoride by Ion Chromatography 300.0

Method: 300.0 Prepared: 05/13/16 07:38
Units: mg/L Analyzed: 05/13/16 14:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Fluoride	0.38		0.10	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G03Dd	Lab Sample ID:	16E0343-10
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 12:40
Sample Type:		Sample Depth:	
		Total Depth:	0

Mercury by EPA Method 245.1

Method:	245.1	Prepared:	05/19/16 07:47
Units:	ug/L	Analyzed:	05/20/16 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Mercury	ND		0.06	

Metals by EPA 6000/7000 Series Methods

Method:	6020	Prepared:	05/24/16 10:21
Units:	ug/L	Analyzed:	05/25/16 12:42

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	68.8		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

Metals (Minerals) by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	05/24/16 10:07
Units:	mg/L	Analyzed:	05/27/16 11:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	71.4		0.30	100000
Magnesium	38.0		0.30	100000
Potassium	1.98		1.40	100000

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received : 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G03Dd Lab Sample ID: 16E0343-10

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 12:40

Sample Type: Sample Depth: Total Depth: 0

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: mg/L Analyzed: 05/27/16 11:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sodium	22.8		0.30	
Hardness	335		1.98	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 05/24/16 10:07

Units: ug/L Analyzed: 05/27/16 11:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	161		5.00	
Beryllium	ND		1.00	
Boron	206		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	2780		50.0	40000
Manganese	74.8		15.0	
Nickel	ND		5.00	
Silver	ND		3.00	
Strontium	430		5.00	
Vanadium	ND		5.00	

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LABORATORY RESULTS

Name:	INDIAN CREEK LANDFILL #2		
Project/Facility Number:	1790305011	Date Received :	05/11/16
Funding Code:	LP43	Visit Number:	
Trip ID:		Temperature C:	4.00
Client Sample ID:	G03Dd	Lab Sample ID:	16E0343-10
Matrix:	Water	Collected By:	REM
		Date/Time Collected:	05/10/16 12:40
Sample Type:		Sample Depth:	Total Depth:
			0

Metals by EPA Method 6010 - ICP

Method:	SW-846 6010	Prepared:	05/24/16 10:07
Units:	ug/L	Analyzed:	05/27/16 11:13

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Zinc	ND		25.0	

Nitrate-Nitrite, Colorimetric, Automated Cadmium by EPA Method 353.2

Method:	353.2	Prepared:	05/11/16 10:45
Units:	mg/L	Analyzed:	05/11/16 13:09

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NO ₃)	ND		0.100	

Nitrogen, Ammonia, Colorimetric, Automated Phenate by EPA Method 350.1

Method:	EPA 350.1	Prepared:	05/12/16 10:24
Units:	mg/L	Analyzed:	05/12/16 10:24

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	1.19		0.10	

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Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received : 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: G03Dd Lab Sample ID: 16E0343-10

Matrix: Water Collected By: REM Date/Time Collected: 05/10/16 12:40

Sample Type: Sample Depth: Total Depth: 0

Phosphorus, All Forms, Colorimetric, Automated, by EPA Method 365.1

Method: EPA 365.1 Prepared: 05/12/16 11:00

Units: mg/L Analyzed: 05/13/16 16:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.176		0.0050	

Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 05/13/16 07:38

Units: mg/L Analyzed: 05/13/16 14:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	ND		10.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received: 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: TRB Lab Sample ID: 16E0343-11

Matrix: Water Collected By: N/A Date/Time Collected: 05/10/16 0:00

Sample Type: Sample Depth: Total Depth: 0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 05/12/16 11:50

Units: ug/L Analyzed: 05/12/16 17:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Bromomethane	ND		2.0	
Chloroethane	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Acetone	ND		10	
1,1-Dichloroethene	ND		2.0	
Methylene chloride	ND		5.0	
Carbon disulfide	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
1,1-Dichloroethane	ND		2.0	
2-Butanone (MEK)	ND		10	
cis-1,2-Dichloroethene	ND		2.0	
Bromochloromethane	ND		2.0	
Chloroform	ND		2.0	
2,2-Dichloropropane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1-Dichloropropene	ND		2.0	
Carbon tetrachloride	ND		2.0	
Benzene	ND		2.0	
Dibromomethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	

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LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011 Date Received : 05/11/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 4.00

Client Sample ID: TRB Lab Sample ID: 16E0343-11

Matrix: Water Collected By: N/A Date/Time Collected: 05/10/16 0:00

Sample Type: Sample Depth: Total Depth: 0

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 05/12/16 11:50

Units: ug/L Analyzed: 05/12/16 17:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Trichloroethene	ND		2.0	
Bromodichloromethane	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
Toluene	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2-Hexanone (MBK)	ND		2.0	
Dibromochloromethane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
Tetrachloroethene	ND		2.0	
1,1,1,2-Tetrachloroethane	ND		2.0	
Chlorobenzene	ND		2.0	
Ethylbenzene	ND		2.0	
Bromoform	ND		2.0	
Styrene	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
Xylenes, total	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
Isopropylbenzene	ND		2.0	
Bromobenzene	ND		2.0	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E376-45). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: INDIAN CREEK LANDFILL #2

Project/Facility Number: 1790305011

Date Received : 05/11/16

Funding Code: LP43

Visit Number:

Trip ID:

Temperature C: 4.00

Notes and Definitions

Q Maximum holding time exceeded.

ND Analyte NOT DETECTED at or above the reporting limit

* Non-NELAP accredited

Report Authorized by:

A handwritten signature in black ink, appearing to read "Tom Weiss".

Tom Weiss
Laboratory Manager

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