



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G04MT** Lab Sample ID: **16D0532-01**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 11:40

Sample Type: Sample Depth: Total Depth:

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 04/22/16 10:00

Units: ug/L Analyzed: 04/22/16 15:38

<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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**Reported:**  
05/11/16 12:53  
Page 1 of 68



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<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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**Reported:**  
05/11/16 12:53  
Page 2 of 68



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Client Sample ID: **G04MT** Lab Sample ID: **16D0532-01**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 11:40

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 10:00

<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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**Reported:**  
05/11/16 12:53  
Page 3 of 68



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Units: ug/L Analyzed: 05/02/16 10:00

<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	J3	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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Reported:  
05/11/16 12:53  
Page 4 of 68



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<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	J3	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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**Reported:**  
05/11/16 12:53  
Page 5 of 68



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Units: ug/L Analyzed: 05/02/16 10:00

<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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**Reported:**  
05/11/16 12:53  
Page 6 of 68



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Sample Type: Sample Depth: Total Depth:

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 12:17

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

#### **Cyanide by EPA Method 335.4**

Method: 335.4 Prepared: 04/28/16 09:28

Units: mg/L Analyzed: 04/28/16 14:20

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

#### **pH**

Method: SM 4500H+B Prepared: 04/22/16 15:48

Units: PH Analyzed: 04/22/16 15:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.1	Q	0.1	

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**Reported:**  
05/11/16 12:53  
Page 7 of 68



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Trip ID: Temperature C: 17.00

Client Sample ID: **G04MT** Lab Sample ID: **16D0532-01**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 11:40

Sample Type: Sample Depth: Total Depth:

### Phenols by EPA Method 420.4

Method: 420.4 Prepared: 04/26/16 07:29

Units: ug/L Analyzed: 04/26/16 07:29

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

### Specific Conductance by Standard Method 2510B

Method: 2510B Prepared: 05/04/16 10:16

Units: umho/cm Analyzed: 05/04/16 10:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	916.0		10.00	

### Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 12:17

<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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**Reported:**  
05/11/16 12:53  
Page 8 of 68





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Trip ID: Temperature C: 17.00

Client Sample ID: **G04MT** Lab Sample ID: **16D0532-01**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 11:40

Sample Type: Sample Depth: Total Depth:

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

Method: 2540C Prepared: 04/25/16 11:35

Units: mg/L Analyzed: 04/26/16 15:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Dissolved Solids</b>	<b>496</b>		10	

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**Reported:**  
05/11/16 12:53  
Page 9 of 68



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Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G04MD** Lab Sample ID: **16D0532-02**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 11:40

Sample Type: Dissolved Sample Depth: Total Depth:

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 12:27

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

#### **Mercury by EPA Method 245.1**

Method: 245.1 Prepared: 05/03/16 09:54

Units: ug/L Analyzed: 05/04/16 09:54

<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: 04/29/16 12:30

Units: ug/L Analyzed: 05/02/16 09:23

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
<b>Arsenic</b>	<b>62.6</b>		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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05/11/16 12:53  
Page 10 of 68



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Client Sample ID: **G04MD** Lab Sample ID: **16D0532-02**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 11:40

Sample Type: Dissolved Sample Depth: Total Depth:

#### **Metals (Minerals) by EPA Method 6010 - ICP**

Method: 6010 Prepared: 04/27/16 14:27

Units: mg/L Analyzed: 05/02/16 12:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	95.7		0.30	100000
Magnesium	42.2		0.30	100000
Potassium	2.84		1.40	100000
Sodium	29.7		0.30	
Hardness	413		1.98	

#### **Metals by EPA Method 6010 - ICP**

Method: 6010 Prepared: 04/27/16 14:27

Units: ug/L Analyzed: 05/02/16 12:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	277		60.0	40000
Barium	219		5.00	
Beryllium	ND		1.00	
Boron	386		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	4800		50.0	40000
Manganese	50.1		15.0	
Nickel	ND		5.00	

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**Reported:**  
05/11/16 12:53  
Page 11 of 68



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Trip ID: Temperature C: 17.00

Client Sample ID: **G04MD** Lab Sample ID: **16D0532-02**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 11:40

Sample Type: Dissolved Sample Depth: Total Depth:

### Metals by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: ug/L Analyzed: 05/02/16 12:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
<b>Strontium</b>	<b>612</b>		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

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

Method: 353.2 Prepared: 04/25/16 09:23

Units: mg/L Analyzed: 04/25/16 12:47

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

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

Method: 350.1 Prepared: 04/27/16 13:49

Units: mg/L Analyzed: 04/27/16 13:49

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Ammonia as N</b>	<b>9.81</b>		0.10	

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**Reported:**  
05/11/16 12:53  
Page 12 of 68



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### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G04MD** Lab Sample ID: **16D0532-02**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 11:40

Sample Type: Dissolved Sample Depth: Total Depth:

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

Method: 365.1 Prepared: 04/26/16 12:46

Units: mg/L Analyzed: 04/27/16 12:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phosphorus as P	0.254		0.0050	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 12:27

<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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**Reported:**  
05/11/16 12:53  
Page 13 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MT** Lab Sample ID: **16D0532-03**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 04/22/16 10:00

Units: ug/L Analyzed: 04/22/16 16:12

<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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**Reported:**  
05/11/16 12:53  
Page 14 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MT** Lab Sample ID: **16D0532-03**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 04/22/16 10:00

Units: ug/L Analyzed: 04/22/16 16:12

<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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Reported:  
05/11/16 12:53  
Page 15 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MT** Lab Sample ID: **16D0532-03**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 10:27

<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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**Reported:**  
05/11/16 12:53  
Page 16 of 68





# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MT** Lab Sample ID: **16D0532-03**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 10:27

<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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**Reported:**  
05/11/16 12:53  
Page 17 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MT** Lab Sample ID: **16D0532-03**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 10:27

<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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**Reported:**  
05/11/16 12:53  
Page 18 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MT** Lab Sample ID: **16D0532-03**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 10:27

<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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**Reported:**  
05/11/16 12:53  
Page 19 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MT** Lab Sample ID: **16D0532-03**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Chloride by Ion Chromatography 300.0

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 12:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride *	4.88		1.00	

### Cyanide by EPA Method 335.4

Method: 335.4 Prepared: 04/28/16 09:28

Units: mg/L Analyzed: 04/28/16 14:20

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

### pH

Method: SM 4500H+B Prepared: 04/22/16 15:48

Units: PH Analyzed: 04/22/16 15:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.1	Q	0.1	

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Reported:  
05/11/16 12:53  
Page 20 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MT** Lab Sample ID: **16D0532-03**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

#### **Phenols by EPA Method 420.4**

Method: 420.4 Prepared: 04/26/16 07:29

Units: ug/L Analyzed: 04/26/16 07:29

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

#### **Specific Conductance by Standard Method 2510B**

Method: 2510B Prepared: 05/04/16 10:16

Units: umho/cm Analyzed: 05/04/16 10:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	1098		10.00	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 12:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate *	29.2		10.0	

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**Reported:**  
05/11/16 12:53  
Page 21 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MT** Lab Sample ID: **16D0532-03**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

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

Method: 2540C Prepared: 04/25/16 11:35

Units: mg/L Analyzed: 04/26/16 15:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Dissolved Solids</b>	<b>620</b>		10	

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**Reported:**  
05/11/16 12:53  
Page 22 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MD** Lab Sample ID: **16D0532-04**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 12:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride *	4.82		1.00	

#### **Mercury by EPA Method 245.1**

Method: 245.1 Prepared: 05/03/16 09:54

Units: ug/L Analyzed: 05/04/16 09:54

<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: 04/29/16 12:30

Units: ug/L Analyzed: 05/02/16 09:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	8.06		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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**Reported:**  
05/11/16 12:53  
Page 23 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MD** Lab Sample ID: **16D0532-04**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

### Metals (Minerals) by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: mg/L Analyzed: 05/02/16 12:47

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	121		0.30	100000
Magnesium	53.9		0.30	100000
Potassium	3.39		1.40	100000
Sodium	25.7		0.30	
Hardness	525		1.98	

### Metals by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: ug/L Analyzed: 05/02/16 12:47

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	94.2		60.0	40000
Barium	281		5.00	
Beryllium	ND		1.00	
Boron	260		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	3620		50.0	40000
Manganese	40.5		15.0	
Nickel	ND		5.00	

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Reported:  
05/11/16 12:53  
Page 24 of 68





# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MD** Lab Sample ID: **16D0532-04**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

### Metals by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: ug/L Analyzed: 05/02/16 12:47

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
<b>Strontium</b>	<b>754</b>		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

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

Method: 353.2 Prepared: 04/25/16 09:23

Units: mg/L Analyzed: 04/25/16 12:48

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

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

Method: 350.1 Prepared: 04/27/16 13:57

Units: mg/L Analyzed: 04/27/16 13:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Ammonia as N</b>	<b>7.96</b>		0.10	

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**Reported:**  
05/11/16 12:53  
Page 25 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48MD** Lab Sample ID: **16D0532-04**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

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

Method: 365.1 Prepared: 04/26/16 12:46

Units: mg/L Analyzed: 04/27/16 12:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>0.231</b>		0.0050	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 12:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Sulfate *</b>	<b>26.2</b>		10.0	

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**Reported:**  
05/11/16 12:53  
Page 26 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RT** Lab Sample ID: **16D0532-05**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 04/22/16 10:00

Units: ug/L Analyzed: 04/22/16 16:46

<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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**Reported:**  
05/11/16 12:53  
Page 27 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RT** Lab Sample ID: **16D0532-05**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 04/22/16 10:00

Units: ug/L Analyzed: 04/22/16 16:46

<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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**Reported:**  
05/11/16 12:53  
Page 28 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RT** Lab Sample ID: **16D0532-05**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 10:53

<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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**Reported:**  
05/11/16 12:53  
Page 29 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RT** Lab Sample ID: **16D0532-05**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 10:53

<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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**Reported:**  
05/11/16 12:53  
Page 30 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RT** Lab Sample ID: **16D0532-05**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 10:53

<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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**Reported:**  
05/11/16 12:53  
Page 31 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RT** Lab Sample ID: **16D0532-05**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 10:53

<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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**Reported:**  
05/11/16 12:53  
Page 32 of 68





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RT** Lab Sample ID: **16D0532-05**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 12:56

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride *	12.2		1.00	

#### **Cyanide by EPA Method 335.4**

Method: 335.4 Prepared: 04/28/16 09:28

Units: mg/L Analyzed: 04/28/16 14:24

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

#### **pH**

Method: SM 4500H+B Prepared: 04/22/16 15:48

Units: PH Analyzed: 04/22/16 15:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	6.7	Q	0.1	

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**Reported:**  
05/11/16 12:53  
Page 33 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RT** Lab Sample ID: **16D0532-05**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

#### **Phenols by EPA Method 420.4**

Method: 420.4 Prepared: 04/26/16 07:29

Units: ug/L Analyzed: 04/26/16 07:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	14.5	I	10.0	

#### **Specific Conductance by Standard Method 2510B**

Method: 2510B Prepared: 05/04/16 10:16

Units: umho/cm Analyzed: 05/04/16 10:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	1680		10.00	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/29/16 11:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate *	224		40.0	

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**Reported:**  
05/11/16 12:53  
Page 34 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RT** Lab Sample ID: **16D0532-05**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

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

Method: 2540C Prepared: 04/25/16 11:35

Units: mg/L Analyzed: 04/26/16 15:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Dissolved Solids</b>	<b>1170</b>		10	

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**Reported:**  
05/11/16 12:53  
Page 35 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RD** Lab Sample ID: **16D0532-06**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 13:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride *	12.2		1.00	

#### **Mercury by EPA Method 245.1**

Method: 245.1 Prepared: 05/03/16 09:54

Units: ug/L Analyzed: 05/04/16 09:54

<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: 04/29/16 12:30

Units: ug/L Analyzed: 05/02/16 09:29

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

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**Reported:**  
05/11/16 12:53  
Page 36 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RD** Lab Sample ID: **16D0532-06**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

### Metals (Minerals) by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: mg/L Analyzed: 05/02/16 13:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Calcium</b>	<b>240</b>		0.30	100000
<b>Magnesium</b>	<b>99.6</b>		0.30	100000
Potassium	ND		1.40	100000
<b>Sodium</b>	<b>11.4</b>		0.30	
<b>Hardness</b>	<b>1010</b>		1.98	

### Metals by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: ug/L Analyzed: 05/02/16 12:50

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
<b>Barium</b>	<b>105</b>		5.00	
Beryllium	ND		1.00	
<b>Boron</b>	<b>164</b>		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
<b>Iron</b>	<b>4660</b>		50.0	40000
<b>Manganese</b>	<b>471</b>		15.0	
Nickel	ND		5.00	

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**Reported:**  
05/11/16 12:53  
Page 37 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RD** Lab Sample ID: **16D0532-06**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

### Metals by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: ug/L Analyzed: 05/02/16 12:50

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
<b>Strontium</b>	<b>323</b>		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

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

Method: 353.2 Prepared: 04/25/16 09:23

Units: mg/L Analyzed: 04/25/16 12:49

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

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

Method: 350.1 Prepared: 04/27/16 14:00

Units: mg/L Analyzed: 04/27/16 14:00

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Ammonia as N</b>	<b>0.22</b>		0.10	

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**Reported:**  
05/11/16 12:53  
Page 38 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G48RD** Lab Sample ID: **16D0532-06**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

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

Method: 365.1 Prepared: 04/26/16 12:46

Units: mg/L Analyzed: 04/27/16 12:01

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>0.0440</b>		0.0050	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/29/16 12:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Sulfate *</b>	<b>226</b>		40.0	

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**Reported:**  
05/11/16 12:53  
Page 39 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MT** Lab Sample ID: **16D0532-07**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### **Volatiles Organic Compounds by Purge and Trap GC/MS**

Method: 8260 Prepared: 04/22/16 10:00

Units: ug/L Analyzed: 04/22/16 17:20

<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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**Reported:**  
05/11/16 12:53  
Page 40 of 68





# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MT** Lab Sample ID: **16D0532-07**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 04/22/16 10:00

Units: ug/L Analyzed: 04/22/16 17:20

<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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**Reported:**  
05/11/16 12:53  
Page 41 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MT** Lab Sample ID: **16D0532-07**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 11:20

<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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**Reported:**  
05/11/16 12:53  
Page 42 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MT** Lab Sample ID: **16D0532-07**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 11:20

<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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**Reported:**  
05/11/16 12:53  
Page 43 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MT** Lab Sample ID: **16D0532-07**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 11:20

<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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**Reported:**  
05/11/16 12:53  
Page 44 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MT** Lab Sample ID: **16D0532-07**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 11:20

<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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**Reported:**  
05/11/16 12:53  
Page 45 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MT** Lab Sample ID: **16D0532-07**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 13:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride *	4.91		1.00	

#### **Cyanide by EPA Method 335.4**

Method: 335.4 Prepared: 04/28/16 09:28

Units: mg/L Analyzed: 04/28/16 14:25

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

#### **pH**

Method: SM 4500H+B Prepared: 04/22/16 15:48

Units: PH Analyzed: 04/22/16 15:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.1	Q	0.1	

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**Reported:**  
05/11/16 12:53  
Page 46 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MT** Lab Sample ID: **16D0532-07**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

#### **Phenols by EPA Method 420.4**

Method: 420.4 Prepared: 04/26/16 07:29

Units: ug/L Analyzed: 04/26/16 07:29

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

#### **Specific Conductance by Standard Method 2510B**

Method: 2510B Prepared: 05/04/16 10:16

Units: umho/cm Analyzed: 05/04/16 10:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	1100		10.00	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 13:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate *	30.5		10.0	

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**Reported:**  
05/11/16 12:53  
Page 47 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MT** Lab Sample ID: **16D0532-07**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Sample Depth: Total Depth:

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

Method: 2540C Prepared: 04/25/16 11:35

Units: mg/L Analyzed: 04/26/16 15:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Dissolved Solids</b>	<b>616</b>		10	

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**Reported:**  
05/11/16 12:53  
Page 48 of 68





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MD** Lab Sample ID: **16D0532-08**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 13:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride *	4.85		1.00	

#### **Mercury by EPA Method 245.1**

Method: 245.1 Prepared: 05/03/16 09:54

Units: ug/L Analyzed: 05/04/16 09:54

<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: 04/29/16 12:30

Units: ug/L Analyzed: 05/02/16 09:32

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	9.02		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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**Reported:**  
05/11/16 12:53  
Page 49 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MD** Lab Sample ID: **16D0532-08**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

### Metals (Minerals) by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: mg/L Analyzed: 05/02/16 12:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	124		0.30	100000
Magnesium	53.3		0.30	100000
Potassium	3.30		1.40	100000
Sodium	24.7		0.30	
Hardness	530		1.98	

### Metals by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: ug/L Analyzed: 05/02/16 12:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	291		5.00	
Beryllium	ND		1.00	
Boron	258		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	3710		50.0	40000
Manganese	41.4		15.0	
Nickel	ND		5.00	

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Reported:  
05/11/16 12:53  
Page 50 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MD** Lab Sample ID: **16D0532-08**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

### Metals by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: ug/L Analyzed: 05/02/16 12:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
<b>Strontium</b>	<b>736</b>		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

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

Method: 353.2 Prepared: 04/25/16 09:23

Units: mg/L Analyzed: 04/25/16 12:50

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

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

Method: 350.1 Prepared: 04/27/16 14:03

Units: mg/L Analyzed: 04/27/16 14:03

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Ammonia as N</b>	<b>7.88</b>		0.10	

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**Reported:**  
05/11/16 12:53  
Page 51 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G90MD** Lab Sample ID: **16D0532-08**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 13:15

Sample Type: Dissolved Sample Depth: Total Depth:

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

Method: 365.1 Prepared: 04/26/16 12:46

Units: mg/L Analyzed: 04/27/16 12:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>0.239</b>		0.0050	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 13:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Sulfate *</b>	<b>25.8</b>		10.0	

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**Reported:**  
05/11/16 12:53  
Page 52 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RT** Lab Sample ID: **16D0532-09**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Sample Depth: Total Depth:

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 04/22/16 10:00

Units: ug/L Analyzed: 04/22/16 17:54

<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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**Reported:**  
05/11/16 12:53  
Page 53 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RT** Lab Sample ID: **16D0532-09**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Sample Depth: Total Depth:

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 04/22/16 10:00

Units: ug/L Analyzed: 04/22/16 17:54

<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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**Reported:**  
05/11/16 12:53  
Page 54 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

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Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RT** Lab Sample ID: **16D0532-09**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 11:47

<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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**Reported:**  
05/11/16 12:53  
Page 55 of 68



# Illinois Environmental Protection Agency Laboratory

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Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 11:47

<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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**Reported:**  
05/11/16 12:53  
Page 56 of 68





# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

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### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 11:47

<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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**Reported:**  
05/11/16 12:53  
Page 57 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

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Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RT** Lab Sample ID: **16D0532-09**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Sample Depth: Total Depth:

### Semivolatiles by GC/MS

Method: 8270 Prepared: 04/26/16 07:44

Units: ug/L Analyzed: 05/02/16 11:47

<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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**Reported:**  
05/11/16 12:53  
Page 58 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RT** Lab Sample ID: **16D0532-09**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Sample Depth: Total Depth:

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 13:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride *	7.61		1.00	

#### **Cyanide by EPA Method 335.4**

Method: 335.4 Prepared: 04/28/16 09:28

Units: mg/L Analyzed: 04/28/16 14:27

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

#### **pH**

Method: SM 4500H+B Prepared: 04/22/16 15:48

Units: PH Analyzed: 04/22/16 15:51

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	7.2	Q	0.1	

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**Reported:**  
05/11/16 12:53  
Page 59 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RT** Lab Sample ID: **16D0532-09**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Sample Depth: Total Depth:

#### **Phenols by EPA Method 420.4**

Method: 420.4 Prepared: 04/26/16 07:29

Units: ug/L Analyzed: 04/26/16 07:29

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

#### **Specific Conductance by Standard Method 2510B**

Method: 2510B Prepared: 05/04/16 10:16

Units: umho/cm Analyzed: 05/04/16 10:20

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	1276		10.00	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 13:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate *	86.1		10.0	

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**Reported:**  
05/11/16 12:53  
Page 60 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RT** Lab Sample ID: **16D0532-09**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Sample Depth: Total Depth:

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

Method: 2540C Prepared: 04/25/16 11:35

Units: mg/L Analyzed: 04/26/16 15:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Total Dissolved Solids</b>	<b>764</b>		10	

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**Reported:**  
05/11/16 12:53  
Page 61 of 68



## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RD** Lab Sample ID: **16D0532-10**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Dissolved Sample Depth: Total Depth:

#### **Chloride by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 14:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride *	7.67		1.00	

#### **Mercury by EPA Method 245.1**

Method: 245.1 Prepared: 05/03/16 09:54

Units: ug/L Analyzed: 05/04/16 09:54

<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: 04/29/16 12:30

Units: ug/L Analyzed: 05/02/16 09:35

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	1.58		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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**Reported:**  
05/11/16 12:53  
Page 62 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RD** Lab Sample ID: **16D0532-10**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Dissolved Sample Depth: Total Depth:

### Metals (Minerals) by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: mg/L Analyzed: 05/02/16 12:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Calcium</b>	153		0.30	100000
<b>Magnesium</b>	73.5		0.30	100000
<b>Potassium</b>	3.88		1.40	100000
<b>Sodium</b>	28.1		0.30	
<b>Hardness</b>	685		1.98	

### Metals by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: ug/L Analyzed: 05/02/16 12:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
<b>Barium</b>	294		5.00	
Beryllium	ND		1.00	
<b>Boron</b>	228		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
<b>Iron</b>	3440		50.0	40000
<b>Manganese</b>	80.5		15.0	
Nickel	ND		5.00	

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**Reported:**  
05/11/16 12:53  
Page 63 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RD** Lab Sample ID: **16D0532-10**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Dissolved Sample Depth: Total Depth:

### Metals by EPA Method 6010 - ICP

Method: 6010 Prepared: 04/27/16 14:27

Units: ug/L Analyzed: 05/02/16 12:57

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
<b>Strontium</b>	<b>883</b>		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

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

Method: 353.2 Prepared: 04/25/16 09:23

Units: mg/L Analyzed: 04/25/16 12:52

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

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

Method: 350.1 Prepared: 04/27/16 14:06

Units: mg/L Analyzed: 04/27/16 14:06

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Ammonia as N</b>	<b>5.08</b>		0.10	

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**Reported:**  
05/11/16 12:53  
Page 64 of 68





## Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **G08RD** Lab Sample ID: **16D0532-10**

Matrix: Water Collected By: JT Date/Time Collected: 04/21/16 14:50

Sample Type: Dissolved Sample Depth: Total Depth:

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

Method: 365.1 Prepared: 04/26/16 12:46

Units: mg/L Analyzed: 04/27/16 12:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Phosphorus as P</b>	<b>0.295</b>		0.0050	

#### **Sulfate by Ion Chromatography 300.0**

Method: 300.0 Prepared: 04/27/16 08:27

Units: mg/L Analyzed: 04/28/16 14:04

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
<b>Sulfate *</b>	<b>89.0</b>		10.0	

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**Reported:**  
05/11/16 12:53  
Page 65 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **TRIP BLANKS** Lab Sample ID: **16D0532-11**

Matrix: Water Collected By: Date/Time Collected: 04/21/16 13:55

Sample Type: Sample Depth: Total Depth:

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 04/25/16 10:00

Units: ug/L Analyzed: 04/25/16 15:06

<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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**Reported:**  
05/11/16 12:53  
Page 66 of 68



# Illinois Environmental Protection Agency Laboratory

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

Client Sample ID: **TRIP BLANKS** Lab Sample ID: **16D0532-11**

Matrix: Water Collected By: Date/Time Collected: 04/21/16 13:55

Sample Type: Sample Depth: Total Depth:

### Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 04/25/16 10:00

Units: ug/L Analyzed: 04/25/16 15:06

<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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Reported:  
05/11/16 12:53  
Page 67 of 68



## Illinois Environmental Protection Agency Laboratory

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### LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 04/21/16

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 17.00

### **Notes and Definitions**

- Q Maximum holding time exceeded.
- J3 The reported value failed to meet the established quality control criteria for either precision or accuracy possibly due to matrix effects.
- I See Case Narrative for more information.
- ND Analyte NOT DETECTED at or above the reporting limit
- \* Non-NELAP accredited

Samples 16D0532-01, -03, -05, -07 and -09 were I qualified because of a sulfur smell to the sample. Sulfur is a known interferent for phenol analysis. 16D0532-05 sample peak was the only sample indicative of interference (only detected value).

Method 8270: Tentatively Identified Compounds (TICs) were detected in the semi-volatile analysis of the samples 16D0532-05 and -07. Please contact the laboratory if additional information about the TICs is needed.

Report Authorized by:

Matthew C. Neely  
Organic Analysis Unit Supervisor

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**Reported:**  
05/11/16 12:53  
Page 68 of 68