



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 : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **GO1DT** Lab Sample ID: **17J0293-01**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 17:22

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,1,1,2-Tetrachloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
1,1-Dichloroethane	ND		2.0	
1,1-Dichloroethene	ND		2.0	
1,1-Dichloropropene	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2,2-Dichloropropane	ND		2.0	
2-Butanone (MEK)	ND		10	
2-Hexanone (MBK)	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
Acetone	ND		10	
Benzene	ND		2.0	
Bromobenzene	ND		2.0	
Bromochloromethane	ND		2.0	
Bromodichloromethane	ND		2.0	
Bromoform	ND		2.0	
Bromomethane	ND		2.0	
Carbon disulfide	ND		2.0	

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Carbon tetrachloride	ND		2.0	
Chlorobenzene	ND		2.0	
Chloroethane	ND		2.0	
Chloroform	ND		2.0	
Chloromethane	ND		2.0	
cis-1,2-Dichloroethene	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
Dibromochloromethane	ND		2.0	
Dibromomethane	ND		2.0	
Ethylbenzene	ND		2.0	
Isopropylbenzene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
Methylene chloride	ND		5.0	
Styrene	ND		2.0	
Tetrachloroethene	ND		2.0	
Toluene	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
Trichloroethene	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Xylenes, total	ND		2.0	

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Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Semivolatiles by GC/MS

Method: 8270 Prepared: 10/11/17 10:33

Units: ug/L Analyzed: 10/16/17 13:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,2,4,5-Tetrachlorobenzene	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
1-Naphthylamine	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
2,4-Dinitrotoluene	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
2-Chloronaphthalene	ND		1.5	
2-Chlorophenol	ND		1.5	
2-Methylnaphthalene	ND		1.5	
2-Methylphenol	ND		1.5	

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Semivolatiles by GC/MS

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<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
2-Naphthylamine	ND		1.5	
2-Nitroaniline	ND		1.5	
2-Nitrophenol	ND		1.5	
2-Picoline	ND		1.5	
3,3-Dichlorobenzidine	ND		1.5	
3-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
4-Chloroaniline	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
4-Methylphenol	ND		1.5	
4-Nitroaniline	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
4-Nitrophenol	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Acenaphthene	ND		1.5	
Acenaphthylene	ND		1.5	
Acetophenone	ND		1.5	
Anthracene	ND		1.5	
Azobenzene	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Benzo(a)pyrene	ND		1.5	

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<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Benzo(b)fluoranthene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
Carbazole	ND		1.5	
Chrysene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Dibenzofuran	ND		1.5	
Diethylphthalate	ND		1.5	
Dimethylphthalate	ND		1.5	
Di-n-butylphthalate	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Diphenylamine	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Fluoranthene	ND		1.5	
Fluorene	ND		1.5	
Hexachlorobenzene	ND		1.5	
Hexachlorobutadiene	ND	J3	1.5	
Hexachlorocyclopentadiene	ND		1.5	
Hexachloroethane	ND	J3	1.5	
Hexachloropropene	ND	J3	1.5	

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Units: ug/L Analyzed: 10/16/17 13:44

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Indeno(1,2,3-cd)pyrene	ND		1.5	
Isodrin	ND		1.5	
Isophorone	ND		1.5	
Isosafrole	ND		1.5	
Mestranol	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Naphthalene	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Pentachlorobenzene	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Pentachlorophenol	ND	J3	1.5	
Phenacetin	ND		1.5	
Phenanthrene	ND		1.5	
Phenol	ND		1.5	
Pronamide	ND		1.5	
Pyrene	ND		1.5	
Pyridine	ND		1.5	
Safrole	ND		1.5	

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Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Cyanide by EPA Method 335.4

Method: 335.4 Prepared: 10/12/17 09:10

Units: mg/L Analyzed: 10/12/17 12:27

<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: 10/11/17 14:36

Units: PH Analyzed: 10/11/17 14:39

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	6.8	Q	0.1	

Phenols by EPA Method 420.4

Method: EPA 420.4 Prepared: 10/13/17 08:26

Units: ug/L Analyzed: 10/13/17 13:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	12.8	I	10.0	

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Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **GO1DT** Lab Sample ID: **17J0293-01**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Specific Conductance by Standard Method 2510B

Method: 2510B Prepared: 10/19/17 14:36

Units: umho/cm Analyzed: 10/19/17 15:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	1308.00		10.00	

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

Method: 2540C Prepared: 10/11/17 15:30

Units: mg/L Analyzed: 10/11/17 15:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids *	726		10	

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Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G01DD** Lab Sample ID: **17J0293-02**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 10/11/17 08:00

Units: mg/L Analyzed: 10/11/17 12:07

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	3.69		1.00	

Mercury by EPA Method 7470

Method: 7470 Prepared: 10/18/17 08:18

Units: ug/L Analyzed: 10/23/17 13:59

<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: 10/18/17 07:12

Units: ug/L Analyzed: 11/08/17 11:50

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	12.6		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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Client Sample ID: **G01DD** Lab Sample ID: **17J0293-02**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: mg/L Analyzed: 10/25/17 11:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	139		0.30	100000
Hardness	578		1.98	
Magnesium	55.8		0.30	100000
Potassium	6.33		1.40	100000
Sodium	39.0		0.30	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: ug/L Analyzed: 10/25/17 11:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	423		5.00	
Beryllium	ND		1.00	
Boron	543		10.0	
Cadmium	4.31		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	8260		50.0	40000
Manganese	48.5		15.0	
Nickel	ND		5.00	

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Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: ug/L Analyzed: 10/25/17 11:11

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	719		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

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

Method: 353.2 Prepared: 10/11/17 13:37

Units: mg/L Analyzed: 10/11/17 15:38

<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: 10/11/17 13:13

Units: mg/L Analyzed: 10/11/17 15:12

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	21.2	J3	1.00	

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Client Sample ID: **G01DD** Lab Sample ID: **17J0293-02**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 10/11/17 08:00

Units: mg/L Analyzed: 10/11/17 12:07

<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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Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DT** Lab Sample ID: **17J0293-03**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 19:43

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,1,1,2-Tetrachloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
1,1-Dichloroethane	ND		2.0	
1,1-Dichloroethene	ND		2.0	
1,1-Dichloropropene	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2,2-Dichloropropane	ND		2.0	
2-Butanone (MEK)	ND		10	
2-Hexanone (MBK)	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
Acetone	ND		10	
Benzene	ND		2.0	
Bromobenzene	ND		2.0	
Bromochloromethane	ND		2.0	
Bromodichloromethane	ND		2.0	
Bromoform	ND		2.0	
Bromomethane	ND		2.0	
Carbon disulfide	ND		2.0	

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DT** Lab Sample ID: **17J0293-03**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 19:43

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbon tetrachloride	ND		2.0	
Chlorobenzene	ND		2.0	
Chloroethane	ND		2.0	
Chloroform	ND		2.0	
Chloromethane	ND		2.0	
cis-1,2-Dichloroethene	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
Dibromochloromethane	ND		2.0	
Dibromomethane	ND		2.0	
Ethylbenzene	ND		2.0	
Isopropylbenzene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
Methylene chloride	ND		5.0	
Styrene	ND		2.0	
Tetrachloroethene	ND		2.0	
Toluene	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
Trichloroethene	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Xylenes, total	ND		2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DT** Lab Sample ID: **17J0293-03**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Semivolatiles by GC/MS

Method: 8270 Prepared: 10/11/17 10:33

Units: ug/L Analyzed: 10/16/17 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,2,4,5-Tetrachlorobenzene	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
1-Naphthylamine	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
2,4-Dinitrotoluene	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
2-Chloronaphthalene	ND		1.5	
2-Chlorophenol	ND		1.5	
2-Methylnaphthalene	ND		1.5	
2-Methylphenol	ND		1.5	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DT** Lab Sample ID: **17J0293-03**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Semivolatiles by GC/MS

Method: 8270 Prepared: 10/11/17 10:33

Units: ug/L Analyzed: 10/16/17 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
2-Naphthylamine	ND		1.5	
2-Nitroaniline	ND		1.5	
2-Nitrophenol	ND		1.5	
2-Picoline	ND		1.5	
3,3-Dichlorobenzidine	ND		1.5	
3-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
4-Chloroaniline	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
4-Methylphenol	ND		1.5	
4-Nitroaniline	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
4-Nitrophenol	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Acenaphthene	ND		1.5	
Acenaphthylene	ND		1.5	
Acetophenone	ND		1.5	
Anthracene	ND		1.5	
Azobenzene	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Benzo(a)pyrene	ND		1.5	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DT** Lab Sample ID: **17J0293-03**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Semivolatiles by GC/MS

Method: 8270 Prepared: 10/11/17 10:33

Units: ug/L Analyzed: 10/16/17 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Benzo(b)fluoranthene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
Carbazole	ND		1.5	
Chrysene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Dibenzofuran	ND		1.5	
Diethylphthalate	ND		1.5	
Dimethylphthalate	ND		1.5	
Di-n-butylphthalate	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Diphenylamine	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Fluoranthene	ND		1.5	
Fluorene	ND		1.5	
Hexachlorobenzene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
Hexachloroethane	ND		1.5	
Hexachloropropene	ND		1.5	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DT** Lab Sample ID: **17J0293-03**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Semivolatiles by GC/MS

Method: 8270 Prepared: 10/11/17 10:33

Units: ug/L Analyzed: 10/16/17 14:37

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Indeno(1,2,3-cd)pyrene	ND		1.5	
Isodrin	ND		1.5	
Isophorone	ND		1.5	
Isosafrole	ND		1.5	
Mestranol	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Naphthalene	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Pentachlorobenzene	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Phenacetin	ND		1.5	
Phenanthrene	ND		1.5	
Phenol	ND		1.5	
Pronamide	ND		1.5	
Pyrene	ND		1.5	
Pyridine	ND		1.5	
Safrole	ND		1.5	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DT** Lab Sample ID: **17J0293-03**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Cyanide by EPA Method 335.4

Method: 335.4 Prepared: 10/12/17 09:10

Units: mg/L Analyzed: 10/12/17 12:27

<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: 10/11/17 14:36

Units: PH Analyzed: 10/11/17 14:39

<u>Analyte</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: 10/13/17 08:26

Units: ug/L Analyzed: 10/13/17 13:31

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

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DT** Lab Sample ID: **17J0293-03**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Specific Conductance by Standard Method 2510B

Method: 2510B Prepared: 10/19/17 14:36

Units: umho/cm Analyzed: 10/19/17 15:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	1783.00		10.00	

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

Method: 2540C Prepared: 10/11/17 15:30

Units: mg/L Analyzed: 10/11/17 15:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids *	1230		10	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DD** Lab Sample ID: **17J0293-04**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 10/11/17 08:00

Units: mg/L Analyzed: 10/11/17 12:16

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	28.6		1.00	

Mercury by EPA Method 7470

Method: 7470 Prepared: 10/18/17 08:18

Units: ug/L Analyzed: 10/23/17 13:59

<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: 10/18/17 07:12

Units: ug/L Analyzed: 11/08/17 12:06

<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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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DD** Lab Sample ID: **17J0293-04**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: mg/L Analyzed: 10/25/17 11:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	177		0.30	100000
Hardness	806		1.98	
Magnesium	88.3		0.30	100000
Potassium	7.49		1.40	100000
Sodium	85.7		0.30	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: ug/L Analyzed: 10/25/17 11:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	51.1		5.00	
Beryllium	ND		1.00	
Boron	422		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	17.3		10.0	
Iron	277		50.0	40000
Manganese	41.6		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DD** Lab Sample ID: **17J0293-04**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: ug/L Analyzed: 10/25/17 11:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	1400		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

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

Method: 353.2 Prepared: 10/11/17 13:37

Units: mg/L Analyzed: 10/11/17 15:39

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO2) + Nitrate (NO3)	ND		0.100	

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

Method: EPA 350.1 Prepared: 10/11/17 13:13

Units: mg/L Analyzed: 10/11/17 15:02

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	11.7		0.10	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G09DD** Lab Sample ID: **17J0293-04**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 12:25

Sample Type: Sample Depth: Total Depth:

Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 10/11/17 08:00

Units: mg/L Analyzed: 10/11/17 12:45

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Sulfate	431		30.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G24DT** Lab Sample ID: **17J0293-05**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 13:28

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 20:19

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,1,1,2-Tetrachloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
1,1-Dichloroethane	ND		2.0	
1,1-Dichloroethene	ND		2.0	
1,1-Dichloropropene	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2,2-Dichloropropane	ND		2.0	
2-Butanone (MEK)	ND		10	
2-Hexanone (MBK)	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
Acetone	ND		10	
Benzene	ND		2.0	
Bromobenzene	ND		2.0	
Bromochloromethane	ND		2.0	
Bromodichloromethane	ND		2.0	
Bromoform	ND		2.0	
Bromomethane	ND		2.0	
Carbon disulfide	ND		2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G24DT** Lab Sample ID: **17J0293-05**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 13:28

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 20:19

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbon tetrachloride	ND		2.0	
Chlorobenzene	ND		2.0	
Chloroethane	ND		2.0	
Chloroform	ND		2.0	
Chloromethane	ND		2.0	
cis-1,2-Dichloroethene	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
Dibromochloromethane	ND		2.0	
Dibromomethane	ND		2.0	
Ethylbenzene	ND		2.0	
Isopropylbenzene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
Methylene chloride	ND		5.0	
Styrene	ND		2.0	
Tetrachloroethene	ND		2.0	
Toluene	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
Trichloroethene	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Xylenes, total	ND		2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G24DT** Lab Sample ID: **17J0293-05**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 13:28

Sample Type: Sample Depth: Total Depth:

Phenols by EPA Method 420.4

Method: EPA 420.4 Prepared: 10/13/17 08:26

Units: ug/L Analyzed: 10/13/17 13:36

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

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G24DD** Lab Sample ID: **17J0293-06**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 13:28

Sample Type: Sample Depth: Total Depth:

Mercury by EPA Method 7470

Method: 7470 Prepared: 10/18/17 08:18

Units: ug/L Analyzed: 10/23/17 13:59

<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: 10/18/17 07:12

Units: ug/L Analyzed: 10/08/17 12:10

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	10.2		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: 10/18/17 07:21

Units: mg/L Analyzed: 10/25/17 11:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	103		0.30	100000
Hardness	498		1.98	
Magnesium	58.3		0.30	100000

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G24DD** Lab Sample ID: **17J0293-06**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 13:28

Sample Type: Sample Depth: Total Depth:

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: mg/L Analyzed: 10/25/17 11:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Potassium	10.4		1.40	100000
Sodium	41.4		0.30	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: ug/L Analyzed: 10/25/17 11:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	253		5.00	
Beryllium	ND		1.00	
Boron	428		10.0	
Cadmium	3.86		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	8380		50.0	40000
Manganese	53.7		15.0	
Nickel	ND		5.00	
Silver	ND		3.00	
Strontium	841		5.00	
Vanadium	ND		5.00	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G24DD** Lab Sample ID: **17J0293-06**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 13:28

Sample Type: Sample Depth: Total Depth:

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: ug/L Analyzed: 10/25/17 11:18

<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: 10/11/17 13:37

Units: mg/L Analyzed: 10/11/17 15:40

<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: 10/11/17 13:13

Units: mg/L Analyzed: 10/11/17 14:58

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	12.5		0.10	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **R17MT** Lab Sample ID: **17J0293-07**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 13:05

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 20:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,1,1,2-Tetrachloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
1,1-Dichloroethane	ND		2.0	
1,1-Dichloroethene	ND		2.0	
1,1-Dichloropropene	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2,2-Dichloropropane	ND		2.0	
2-Butanone (MEK)	ND		10	
2-Hexanone (MBK)	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
Acetone	ND		10	
Benzene	ND		2.0	
Bromobenzene	ND		2.0	
Bromochloromethane	ND		2.0	
Bromodichloromethane	ND		2.0	
Bromoform	ND		2.0	
Bromomethane	ND		2.0	
Carbon disulfide	ND		2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **R17MT** Lab Sample ID: **17J0293-07**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 13:05

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 20:54

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbon tetrachloride	ND		2.0	
Chlorobenzene	ND		2.0	
Chloroethane	ND		2.0	
Chloroform	ND		2.0	
Chloromethane	ND		2.0	
cis-1,2-Dichloroethene	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
Dibromochloromethane	ND		2.0	
Dibromomethane	ND		2.0	
Ethylbenzene	ND		2.0	
Isopropylbenzene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
Methylene chloride	ND		5.0	
Styrene	ND		2.0	
Tetrachloroethene	ND		2.0	
Toluene	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
Trichloroethene	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Xylenes, total	ND		2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **R17MT** Lab Sample ID: **17J0293-07**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 13:05

Sample Type: Sample Depth: Total Depth:

Cyanide by EPA Method 335.4

Method: 335.4 Prepared: 10/12/17 09:10

Units: mg/L Analyzed: 10/12/17 12:28

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

Phenols by EPA Method 420.4

Method: EPA 420.4 Prepared: 10/13/17 08:26

Units: ug/L Analyzed: 10/13/17 13:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	32.6	I	10.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **R17MD** Lab Sample ID: **17J0293-08**

Matrix: Water Collected By: Date/Time Collected: 10/10/17 13:05

Sample Type: Sample Depth: Total Depth:

Mercury by EPA Method 7470

Method: 7470 Prepared: 10/18/17 08:18

Units: ug/L Analyzed: 10/23/17 13:59

<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: 10/18/17 07:12

Units: ug/L Analyzed: 10/08/17 12:14

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	75.8		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: 10/18/17 07:21

Units: mg/L Analyzed: 10/25/17 11:21

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	162		0.30	100000
Hardness	707		1.98	
Magnesium	73.1		0.30	100000

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **R17MD** Lab Sample ID: **17J0293-08**

Matrix: Water Collected By: Date/Time Collected: 10/10/17 13:05

Sample Type: Sample Depth: Total Depth:

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: mg/L Analyzed: 10/25/17 11:21

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Potassium	8.16		1.40	100000
Sodium	74.3		0.30	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: ug/L Analyzed: 10/25/17 11:21

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	479		5.00	
Beryllium	ND		1.00	
Boron	547		10.0	
Cadmium	5.00		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	10800		50.0	40000
Manganese	95.9		15.0	
Nickel	ND		5.00	
Silver	ND		3.00	
Strontium	1080		5.00	
Vanadium	ND		5.00	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **R17MD** Lab Sample ID: **17J0293-08**

Matrix: Water Collected By: Date/Time Collected: 10/10/17 13:05

Sample Type: Sample Depth: Total Depth:

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: ug/L Analyzed: 10/25/17 11:21

<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: 10/11/17 13:37

Units: mg/L Analyzed: 10/11/17 15:41

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Nitrogen, Nitrite (NO ₂) + Nitrate (NC)	0.128		0.100	

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

Method: EPA 350.1 Prepared: 10/11/17 13:13

Units: mg/L Analyzed: 10/11/17 14:55

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	28.7		1.00	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DT** Lab Sample ID: **17J0293-09**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 21:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,1,1,2-Tetrachloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
1,1-Dichloroethane	ND		2.0	
1,1-Dichloroethene	ND		2.0	
1,1-Dichloropropene	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2,2-Dichloropropane	ND		2.0	
2-Butanone (MEK)	ND		10	
2-Hexanone (MBK)	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
Acetone	ND		10	
Benzene	ND		2.0	
Bromobenzene	ND		2.0	
Bromochloromethane	ND		2.0	
Bromodichloromethane	ND		2.0	
Bromoform	ND		2.0	
Bromomethane	ND		2.0	
Carbon disulfide	ND		2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DT** Lab Sample ID: **17J0293-09**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 21:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbon tetrachloride	ND		2.0	
Chlorobenzene	ND		2.0	
Chloroethane	ND		2.0	
Chloroform	ND		2.0	
Chloromethane	ND		2.0	
cis-1,2-Dichloroethene	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
Dibromochloromethane	ND		2.0	
Dibromomethane	ND		2.0	
Ethylbenzene	ND		2.0	
Isopropylbenzene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
Methylene chloride	ND		5.0	
Styrene	ND		2.0	
Tetrachloroethene	ND		2.0	
Toluene	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
Trichloroethene	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Xylenes, total	ND		2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DT** Lab Sample ID: **17J0293-09**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Semivolatiles by GC/MS

Method: 8270 Prepared: 10/11/17 10:33

Units: ug/L Analyzed: 10/16/17 15:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,2,4,5-Tetrachlorobenzene	ND		1.5	
1,2,4-Trichlorobenzene	ND		1.5	
1,2-Dichlorobenzene	ND		1.5	
1,2-Dinitrobenzene	ND		1.5	
1,3-Dichlorobenzene	ND		1.5	
1,3-Dinitrobenzene	ND		1.5	
1,4-Dichlorobenzene	ND		1.5	
1,4-Dinitrobenzene	ND		1.5	
1-Chloronaphthalene	ND		1.5	
1-Naphthylamine	ND		1.5	
2,2-Oxybis(1-chloropropane)	ND		1.5	
2,3,4,6-Tetrachlorophenol	ND		1.5	
2,4,5-Trichlorophenol	ND		1.5	
2,4,6-Trichlorophenol	ND		1.5	
2,4-Dichlorophenol	ND		1.5	
2,4-Dimethylphenol	ND		1.5	
2,4-Dinitrophenol	ND		5.0	
2,4-Dinitrotoluene	ND		1.5	
2,6-Dichlorophenol	ND		1.5	
2,6-Dinitrotoluene	ND		1.5	
2-Chloronaphthalene	ND		1.5	
2-Chlorophenol	ND		1.5	
2-Methylnaphthalene	ND		1.5	
2-Methylphenol	ND		1.5	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DT** Lab Sample ID: **17J0293-09**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Semivolatiles by GC/MS

Method: 8270 Prepared: 10/11/17 10:33

Units: ug/L Analyzed: 10/16/17 15:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
2-Naphthylamine	ND		1.5	
2-Nitroaniline	ND		1.5	
2-Nitrophenol	ND		1.5	
2-Picoline	ND		1.5	
3,3-Dichlorobenzidine	ND		1.5	
3-Nitroaniline	ND		1.5	
4,6-Dinitro-2-methylphenol	ND		1.5	
4-Bromophenyl phenyl ether	ND		1.5	
4-Chloro-3-methylphenol	ND		1.5	
4-Chloroaniline	ND		1.5	
4-Chlorophenyl phenyl ether	ND		1.5	
4-Methylphenol	ND		1.5	
4-Nitroaniline	ND		1.5	
4-Nitrobiphenyl	ND		1.5	
4-Nitrophenol	ND		1.5	
5-Nitroacenaphthene	ND		1.5	
7,12-Dimethylbenzo(a)anthracene	ND		1.5	
Acenaphthene	ND		1.5	
Acenaphthylene	ND		1.5	
Acetophenone	ND		1.5	
Anthracene	ND		1.5	
Azobenzene	ND		1.5	
Benzo(a)anthracene	ND		1.5	
Benzo(a)pyrene	ND		1.5	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DT** Lab Sample ID: **17J0293-09**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Semivolatiles by GC/MS

Method: 8270 Prepared: 10/11/17 10:33

Units: ug/L Analyzed: 10/16/17 15:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Benzo(b)fluoranthene	ND		1.5	
Benzo(ghi)perylene	ND		1.5	
Benzo(k)fluoranthene	ND		1.5	
Bis(2-chloroethoxy)methane	ND		1.5	
Bis(2-chloroethyl)ether	ND		1.5	
Bis(2-ethylhexyl)phthalate	ND		1.5	
Butyl benzyl phthalate	ND		1.5	
Carbazole	ND		1.5	
Chrysene	ND		1.5	
Dibenzo(a,h)anthracene	ND		1.5	
Dibenzofuran	ND		1.5	
Diethylphthalate	ND		1.5	
Dimethylphthalate	ND		1.5	
Di-n-butylphthalate	ND		1.5	
Di-n-octylphthalate	ND		1.5	
Diphenylamine	ND		1.5	
Ethyl methanesulfonate	ND		1.5	
Fluoranthene	ND		1.5	
Fluorene	ND		1.5	
Hexachlorobenzene	ND		1.5	
Hexachlorobutadiene	ND		1.5	
Hexachlorocyclopentadiene	ND		1.5	
Hexachloroethane	ND		1.5	
Hexachloropropene	ND		1.5	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DT** Lab Sample ID: **17J0293-09**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Semivolatiles by GC/MS

Method: 8270 Prepared: 10/11/17 10:33

Units: ug/L Analyzed: 10/16/17 15:29

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Indeno(1,2,3-cd)pyrene	ND		1.5	
Isodrin	ND		1.5	
Isophorone	ND		1.5	
Isosafrole	ND		1.5	
Mestranol	ND		1.5	
Methyl methanesulfonate	ND		1.5	
Naphthalene	ND		1.5	
Nitrobenzene	ND		1.5	
N-Nitrosodi-n-butylamine	ND		1.5	
N-Nitrosodi-n-propylamine	ND		1.5	
N-Nitrosopiperidine	ND		1.5	
p-Dimethylaminoazobenzene	ND		1.5	
Pentachlorobenzene	ND		1.5	
Pentachloronitrobenzene	ND		1.5	
Pentachlorophenol	ND		1.5	
Phenacetin	ND		1.5	
Phenanthrene	ND		1.5	
Phenol	ND		1.5	
Pronamide	ND		1.5	
Pyrene	ND		1.5	
Pyridine	ND		1.5	
Safrole	ND		1.5	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DT** Lab Sample ID: **17J0293-09**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Cyanide by EPA Method 335.4

Method: 335.4 Prepared: 10/12/17 09:10

Units: mg/L Analyzed: 10/12/17 12:30

<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: 10/11/17 14:36

Units: PH Analyzed: 10/11/17 14:39

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Laboratory pH	6.8	Q	0.1	

Phenols by EPA Method 420.4

Method: EPA 420.4 Prepared: 10/13/17 08:26

Units: ug/L Analyzed: 10/13/17 13:46

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Phenol	13.9	I	10.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DT** Lab Sample ID: **17J0293-09**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Specific Conductance by Standard Method 2510B

Method: 2510B Prepared: 10/19/17 14:36

Units: umho/cm Analyzed: 10/19/17 15:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Specific Conductance	1307.00		10.00	

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

Method: 2540C Prepared: 10/11/17 15:30

Units: mg/L Analyzed: 10/11/17 15:30

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Total Dissolved Solids *	722		10	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DD** Lab Sample ID: **17J0293-10**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Chloride by Ion Chromatography 300.0

Method: EPA 300.0 Prepared: 10/11/17 08:00

Units: mg/L Analyzed: 10/11/17 12:26

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Chloride	3.67		1.00	

Mercury by EPA Method 7470

Method: 7470 Prepared: 10/18/17 08:18

Units: ug/L Analyzed: 10/23/17 13:59

<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: 10/18/17 07:12

Units: ug/L Analyzed: 11/08/17 12:18

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Antimony	ND		2.00	
Arsenic	12.3		0.50	
Lead	ND		5.00	
Selenium	ND		2.00	
Thallium	ND		2.00	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DD** Lab Sample ID: **17J0293-10**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Metals (Minerals) by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: mg/L Analyzed: 10/25/17 11:24

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Calcium	135		0.30	100000
Hardness	565		1.98	
Magnesium	55.1		0.30	100000
Potassium	6.28		1.40	100000
Sodium	38.6		0.30	

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: ug/L Analyzed: 10/25/17 11:24

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Aluminum	65.9		60.0	40000
Barium	420		5.00	
Beryllium	ND		1.00	
Boron	544		10.0	
Cadmium	4.07		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	8190		50.0	40000
Manganese	48.6		15.0	
Nickel	ND		5.00	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DD** Lab Sample ID: **17J0293-10**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Metals by EPA Method 6010 - ICP

Method: SW-846 6010 Prepared: 10/18/17 07:21

Units: ug/L Analyzed: 10/25/17 11:24

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Silver	ND		3.00	
Strontium	710		5.00	
Vanadium	ND		5.00	
Zinc	ND		25.0	

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

Method: 353.2 Prepared: 10/11/17 13:37

Units: mg/L Analyzed: 10/11/17 15:45

<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: 10/11/17 13:13

Units: mg/L Analyzed: 10/11/17 15:05

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Ammonia as N	18.6		0.10	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **G90DD** Lab Sample ID: **17J0293-10**

Matrix: Water Collected By: JEFF TURNER Date/Time Collected: 10/10/17 10:50

Sample Type: Sample Depth: Total Depth:

Sulfate by Ion Chromatography 300.0

Method: 300.0 Prepared: 10/11/17 08:00

Units: mg/L Analyzed: 10/11/17 12:26

<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: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **TRIP BLANK 1** Lab Sample ID: **17J0293-11**

Matrix: Water Collected By: Date/Time Collected: 10/10/17 0:00

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 20:52

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,1,1,2-Tetrachloroethane	ND		2.0	
1,1,1-Trichloroethane	ND		2.0	
1,1,2,2-Tetrachloroethane	ND		2.0	
1,1,2-Trichloroethane	ND		2.0	
1,1-Dichloroethane	ND		2.0	
1,1-Dichloroethene	ND		2.0	
1,1-Dichloropropene	ND		2.0	
1,2,3-Trichloropropane	ND		2.0	
1,2-Dibromoethane	ND		2.0	
1,2-Dichloroethane	ND		2.0	
1,2-Dichloropropane	ND		2.0	
1,3-Dichloropropane	ND		2.0	
2,2-Dichloropropane	ND		2.0	
2-Butanone (MEK)	ND		10	
2-Hexanone (MBK)	ND		2.0	
4-Methyl-2-pentanone (MIBK)	ND		2.0	
Acetone	ND		10	
Benzene	ND		2.0	
Bromobenzene	ND		2.0	
Bromochloromethane	ND		2.0	
Bromodichloromethane	ND		2.0	
Bromoform	ND		2.0	
Bromomethane	ND		2.0	
Carbon disulfide	ND		2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **TRIP BLANK 1** Lab Sample ID: **17J0293-11**

Matrix: Water Collected By: Date/Time Collected: 10/10/17 0:00

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/24/17 09:00

Units: ug/L Analyzed: 10/24/17 20:52

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbon tetrachloride	ND		2.0	
Chlorobenzene	ND		2.0	
Chloroethane	ND		2.0	
Chloroform	ND		2.0	
Chloromethane	ND		2.0	
cis-1,2-Dichloroethene	ND		2.0	
cis-1,3-Dichloropropene	ND		2.0	
Dibromochloromethane	ND		2.0	
Dibromomethane	ND		2.0	
Ethylbenzene	ND		2.0	
Isopropylbenzene	ND		2.0	
Methyl tert-butyl ether	ND		2.0	
Methylene chloride	ND		5.0	
Styrene	ND		2.0	
Tetrachloroethene	ND		2.0	
Toluene	ND		2.0	
trans-1,2-Dichloroethene	ND		2.0	
trans-1,3-Dichloropropene	ND		2.0	
Trichloroethene	ND		2.0	
Trichlorofluoromethane	ND		2.0	
Vinyl chloride	ND		2.0	
Xylenes, total	ND		2.0	

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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 : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **TRIP BLANK 2** Lab Sample ID: **17J0293-12**

Matrix: Water Collected By: Date/Time Collected: 10/10/17 0:00

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/25/17 09:00

Units: ug/L Analyzed: 10/25/17 15:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,1,1,2-Tetrachloroethane	ND	Q	2.0	
1,1,1-Trichloroethane	ND	Q	2.0	
1,1,2,2-Tetrachloroethane	ND	Q	2.0	
1,1,2-Trichloroethane	ND	Q	2.0	
1,1-Dichloroethane	ND	Q	2.0	
1,1-Dichloroethene	ND	Q	2.0	
1,1-Dichloropropene	ND	Q	2.0	
1,2,3-Trichloropropane	ND	Q	2.0	
1,2-Dibromoethane	ND	Q	2.0	
1,2-Dichloroethane	ND	Q	2.0	
1,2-Dichloropropane	ND	Q	2.0	
1,3-Dichloropropane	ND	Q	2.0	
2,2-Dichloropropane	ND	Q	2.0	
2-Butanone (MEK)	ND	Q	10	
2-Hexanone (MBK)	ND	Q	2.0	
4-Methyl-2-pentanone (MIBK)	ND	Q	2.0	
Acetone	ND	Q	10	
Benzene	ND	Q	2.0	
Bromobenzene	ND	Q	2.0	
Bromochloromethane	ND	Q	2.0	
Bromodichloromethane	ND	Q	2.0	
Bromoform	ND	Q	2.0	
Bromomethane	ND	Q	2.0	
Carbon disulfide	ND	Q	2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **TRIP BLANK 2** Lab Sample ID: **17J0293-12**

Matrix: Water Collected By: Date/Time Collected: 10/10/17 0:00

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/25/17 09:00

Units: ug/L Analyzed: 10/25/17 15:08

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbon tetrachloride	ND	Q	2.0	
Chlorobenzene	ND	Q	2.0	
Chloroethane	ND	Q	2.0	
Chloroform	ND	Q	2.0	
Chloromethane	ND	Q	2.0	
cis-1,2-Dichloroethene	ND	Q	2.0	
cis-1,3-Dichloropropene	ND	Q	2.0	
Dibromochloromethane	ND	Q	2.0	
Dibromomethane	ND	Q	2.0	
Ethylbenzene	ND	Q	2.0	
Isopropylbenzene	ND	Q	2.0	
Methyl tert-butyl ether	ND	Q	2.0	
Methylene chloride	ND	Q	5.0	
Styrene	ND	Q	2.0	
Tetrachloroethene	ND	Q	2.0	
Toluene	ND	Q	2.0	
trans-1,2-Dichloroethene	ND	Q	2.0	
trans-1,3-Dichloropropene	ND	Q	2.0	
Trichloroethene	ND	Q	2.0	
Trichlorofluoromethane	ND	Q	2.0	
Vinyl chloride	ND	Q	2.0	
Xylenes, total	ND	Q	2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **TRIP BLANK 3** Lab Sample ID: **17J0293-13**

Matrix: Water Collected By: Date/Time Collected: 10/10/17 0:00

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/25/17 09:00

Units: ug/L Analyzed: 10/25/17 15:28

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
1,1,1,2-Tetrachloroethane	ND	Q	2.0	
1,1,1-Trichloroethane	ND	Q	2.0	
1,1,2,2-Tetrachloroethane	ND	Q	2.0	
1,1,2-Trichloroethane	ND	Q	2.0	
1,1-Dichloroethane	ND	Q	2.0	
1,1-Dichloroethene	ND	Q	2.0	
1,1-Dichloropropene	ND	Q	2.0	
1,2,3-Trichloropropane	ND	Q	2.0	
1,2-Dibromoethane	ND	Q	2.0	
1,2-Dichloroethane	ND	Q	2.0	
1,2-Dichloropropane	ND	Q	2.0	
1,3-Dichloropropane	ND	Q	2.0	
2,2-Dichloropropane	ND	Q	2.0	
2-Butanone (MEK)	ND	Q	10	
2-Hexanone (MBK)	ND	Q	2.0	
4-Methyl-2-pentanone (MIBK)	ND	Q	2.0	
Acetone	ND	Q	10	
Benzene	ND	Q	2.0	
Bromobenzene	ND	Q	2.0	
Bromochloromethane	ND	Q	2.0	
Bromodichloromethane	ND	Q	2.0	
Bromoform	ND	Q	2.0	
Bromomethane	ND	Q	2.0	
Carbon disulfide	ND	Q	2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

Client Sample ID: **TRIP BLANK 3** Lab Sample ID: **17J0293-13**

Matrix: Water Collected By: Date/Time Collected: 10/10/17 0:00

Sample Type: Sample Depth: Total Depth:

Volatiles Organic Compounds by Purge and Trap GC/MS

Method: 8260 Prepared: 10/25/17 09:00

Units: ug/L Analyzed: 10/25/17 15:28

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Carbon tetrachloride	ND	Q	2.0	
Chlorobenzene	ND	Q	2.0	
Chloroethane	ND	Q	2.0	
Chloroform	ND	Q	2.0	
Chloromethane	ND	Q	2.0	
cis-1,2-Dichloroethene	ND	Q	2.0	
cis-1,3-Dichloropropene	ND	Q	2.0	
Dibromochloromethane	ND	Q	2.0	
Dibromomethane	ND	Q	2.0	
Ethylbenzene	ND	Q	2.0	
Isopropylbenzene	ND	Q	2.0	
Methyl tert-butyl ether	ND	Q	2.0	
Methylene chloride	ND	Q	5.0	
Styrene	ND	Q	2.0	
Tetrachloroethene	ND	Q	2.0	
Toluene	ND	Q	2.0	
trans-1,2-Dichloroethene	ND	Q	2.0	
trans-1,3-Dichloropropene	ND	Q	2.0	
Trichloroethene	ND	Q	2.0	
Trichlorofluoromethane	ND	Q	2.0	
Vinyl chloride	ND	Q	2.0	
Xylenes, total	ND	Q	2.0	

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LABORATORY RESULTS

Name: **CLINTON LANDFILL #3**

Project/Facility Number: 0390055036 Date Received : 10/10/17

Funding Code: LP43 Visit Number:

Trip ID: Temperature C: 15.00

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

17J0293-01 was analyzed twice for phenol due to potent sulfur odor. Initial result was 33.21ug/L. The sample was analyzed for a second time and the result was 12.75ug/L. The lower of the two results was reported. The lab suggests that sulfur content influenced the analytical results.

17J0293-07 was analyzed twice for phenol due to potent sulfur odor. Initial result was 46.08ug/L. The sample was analyzed for a second time and the result was 32.58ug/L. The lower of the two results was reported. The lab suggests that sulfur content influenced the analytical results.

17J0293-09 was analyzed twice for phenol due to potent sulfur odor. Initial result was 23.05ug/L. The sample was analyzed for a second time and the result was 13.87ug/L. The lower of the two results was reported. The lab suggests that sulfur content influenced the analytical results.

Method 8270: Tentatively Identified Compounds (TICs) were detected in the semi-volatile analysis of the samples 17J0293-01, -03, and -09. Please contact the laboratory if additional information about the TICs is needed.

Report Authorized by:

Tom Weiss
Laboratory Manager

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