

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>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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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Units:	ug/L			Analyzed:	04/22/16 15:38
Analyte		Result	Qualifier	<u>Reporting Limit</u>	<b>Regulatory</b> Level
			Quaimer		Regulatory Level
Trichloroethene		ND		2.0	
Bromodichloromethane		ND		2.0	
cis-1,3-Dichloropropene		ND		2.0	
4-Methyl-2-pentanone (M	IIBK)	ND		2.0	
trans-1,3-Dichloropropen	e	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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N-Nitrosopiperidine

2,4-Dimethylphenol

2,4-Dichlorophenol

1,2,4-Trichlorobenzene

Bis(2-chloroethoxy)methane

Isophorone

2-Nitrophenol

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Client Sample ID:	G04MT			Lab Sample ID:	16D0532-01
Matrix:	Water	Collected E	By: JT	Date/Time Collected:	04/21/16 11:40
Sample Type:		Sample De	pth:	Total Depth:	
		Sen	nivolatiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 10:00
Analyte		Result	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Pyridine		ND		1.5	
2-Picoline		ND		1.5	
Methyl methanesulfona	ate	ND		1.5	
Ethyl methanesulfonate	e	ND		1.5	
Phenol		ND		1.5	
Bis(2-chloroethyl)ether	r	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-chloropro	opane)	ND		1.5	
Acetophenone		ND		1.5	
4-Methylphenol		ND		1.5	
N-Nitrosodi-n-propyla	mine	ND		1.5	
Hexachloroethane		ND		1.5	
Nitrobenzene		ND		1.5	

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ND

ND

ND

ND

ND

ND

ND

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1.5

1.5

1.5

1.5

1.5

1.5



1,3-Dinitrobenzene

2,6-Dinitrotoluene

1,2-Dinitrobenzene

Acenaphthylene

3-Nitroaniline

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Matrix:	Water	Collected E	By: JT	Date/Time Collected:	04/21/16 11:40
Sample Type:		Sample De	pth:	Total Depth:	
		Sen	nivolatiles by G	C/MS	
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 10:00
<u>Analyte</u>		<u>Result</u>	Qualifi	ier <u>Reporting Limit</u>	<b>Regulatory Level</b>
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-butylam	ine	ND		1.5	
4-Chloro-3-methylpher	nol	ND		1.5	
Isosafrole		ND		1.5	
2-Methylnaphthalene		ND		1.5	
1,2,4,5-Tetrachloroben	zene	ND		1.5	
Hexachlorocyclopentad	liene	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	

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ND

ND

ND

ND

ND

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1.5

1.5

1.5

1.5



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Trip ID:				Temperature C:	17.00
Client Sample ID:	G04MT			Lab Sample ID:	16D0532-01
Matrix:	Water	Collected B	By: JT	Date/Time Collected:	04/21/16 11:40
Sample Type:		Sample Dep	pth:	Total Depth:	
		Sen	nivolatiles 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>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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-Tetrachloropher	nol	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-methylph	ienol	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	
Pentachloronitrobenzer	ne	ND		1.5	
Phenanthrene		ND		1.5	
Anthracene		ND		1.5	

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Trip ID:				Temperature C:	17.00
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Matrix:	Water	Collected By:	JT	Date/Time Collected:	04/21/16 11:40
Sample Type:		Sample Depth:		Total Depth:	
		~			
		Semivol	atiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 10:00
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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-Dimethylaminoazober	nzene	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)phthal	ate	ND		1.5	
Mestranol		ND		1.5	
Di-n-octylphthalate		ND		1.5	
Benzo(b)fluoranthene		ND		1.5	
7,12-Dimethylbenzo(a)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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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: J	Г	Date/Time Collected:	04/21/16 11:40
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>		Result	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Chloride *		ND		1.00	
		Cyanide by ]	EPA Method 335.4		
Method:	335.4			- ·	04/20/16 00 20
Units:				Prepared:	04/28/16 09:28
Onits.	mg/L			Prepared: Analyzed:	04/28/16 09:28
Analyte	mg/L	<u>Result</u>	<u>Qualifier</u>	-	
	mg/L	<u>Result</u> ND	<u>Qualifier</u>	Analyzed:	04/28/16 14:20
Analyte	mg/L		<u>Oualifier</u> pH	Analyzed: Reporting Limit	04/28/16 14:20
Analyte	mg/L SM 4500H+B			Analyzed: Reporting Limit	04/28/16 14:20
<u>Analyte</u> Cyanide				Analyzed: <u>Reporting Limit</u> 0.005	04/28/16 14:20 <u>Regulatory Level</u>
<u>Analyte</u> Cyanide Method:	SM 4500H+B			Analyzed: <u>Reporting Limit</u> 0.005 Prepared:	04/28/16 14:20 <u>Regulatory Level</u> 04/22/16 15:48

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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:	
		Dhonola by FD	A Method 420.4		
		r nenois by Er	A Methou 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>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Phenol		ND	Ι	10.0	
Phenol	s	ND Specific Conductance by			
Phenol Method:	<b>S</b> 2510B				05/04/16 10:16
				10B	05/04/16 10:16 05/04/16 10:20
Method:	2510B umho/cm			<b>10B</b> Prepared:	
Method: Units:	2510B umho/cm	pecific Conductance by	Standard Method 25	<b>10B</b> Prepared: Analyzed:	05/04/16 10:20
Method: Units: <u>Analyte</u>	2510B umho/cm	pecific Conductance by <u>Result</u> 916.0	Standard Method 25	10B Prepared: Analyzed: <u>Reporting Limit</u>	05/04/16 10:20
Method: Units: <u>Analyte</u>	2510B umho/cm	pecific Conductance by <u>Result</u> 916.0	<sup>7</sup> Standard Method 25 <u>Oualifier</u>	10B Prepared: Analyzed: <u>Reporting Limit</u>	05/04/16 10:20
Method: Units: <u>Analyte</u> Specific Conductance	2510B umho/cm	pecific Conductance by <u>Result</u> 916.0	<sup>7</sup> Standard Method 25 <u>Oualifier</u>	10B Prepared: Analyzed: <u>Reporting Limit</u> 10.00	05/04/16 10:20 <u>Regulatory Level</u>
Method: Units: <u>Analyte</u> <b>Specific Conductance</b> Method:	2510B umho/cm 300.0 mg/L	pecific Conductance by <u>Result</u> 916.0	<sup>7</sup> Standard Method 25 <u>Oualifier</u>	10B Prepared: Analyzed: <u>Reporting Limit</u> 10.00 Prepared:	05/04/16 10:20 <u>Regulatory Level</u> 04/27/16 08:27
Method: Units: <u>Analyte</u> <b>Specific Conductance</b> Method: Units:	2510B umho/cm 300.0 mg/L	pecific Conductance by <u>Result</u> 916.0 Sulfate by Ion Chi	y Standard Method 25 <u>Qualifier</u> romatography 300.0	10B Prepared: Analyzed: <u>Reporting Limit</u> 10.00 Prepared: Analyzed:	05/04/16 10:20 <b>Regulatory Level</b> 04/27/16 08:27 04/28/16 12:17

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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:	
	Total Dissolved S	olids, Gravimetric, Dried at 18	00C by Std. Method 2540C	

Total Dissolved Solids		496		10	
<u>Analyte</u>		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Units:	mg/L			Analyzed:	04/26/16 15:11
Method:	2540C			Prepared:	04/25/16 11:35

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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:	
		Chloride by Ion Ch	romatography 300.0		
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/28/16 12:27
<u>Analyte</u>	R	<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Chloride *		ND		1.00	
		Mercury by EP	A 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>R</u>	Result	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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>	R	<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Antimony		ND	<u>,</u>	2.00	<u></u>
Arsenic		62.6		0.50	
Lead		ND		5.00	
Selenium		ND		2.00	
Thallium		ND		2.00	

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Funding Code:	LP43			Visit Number:	
Trip ID:				Temperature C:	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 (Minerals) by EPA Method 6010 - ICP

Method:	6010		Prepared:	04/27/16 14:27
Units:	mg/L		Analyzed:	05/02/16 12:44
Analyte	Re	<u>sult</u> Qualifie	er <u>Reporting</u>	Limit <u>Regulatory Level</u>
Calcium	95	5.7	0.30	100000
Magnesium	42	2.2	0.30	100000
Potassium	2.	84	1.40	100000
Sodium	29	9.7	0.30	1
Hardness	41	13	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
Analyte	Result	Qualifier	Reporting Limi	t <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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Analyte

Ammonia as N

# **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
r				I I I I I I I I I I I I I I I I I I I	
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 EP	PA Method 6010 - ICP		
Method:	6010			Prepared:	04/27/16 14:27
Units:	ug/L			Analyzed:	05/02/16 12:44
<u>Analyte</u>	Resu	<u>llt</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b><u>Regulatory Level</u></b>
Silver	NE	)		3.00	
Strontium	612	2		5.00	
Vanadium	NE			5.00	
Zinc	ND	)		25.0	
	Nitrate-Nitrite, C	colorimetric, Au	tomated Cadmium by El	PA Method 353.2	
Method:	353.2			Prepared:	04/25/16 09:23
Units:	mg/L			Analyzed:	04/25/16 12:47
Analyte	Resu	<u>llt</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Nitrogen, Nitrite (NO2)	+ Nitrate (NO: ND	)		0.100	
	Nitrogen, Ammoni	a, Colorimetric,	, Automated Phenate by l	EPA Method 350.1	
Method:	350.1			Prepared:	04/27/16 13:49
Units:	mg/L			Analyzed:	04/27/16 13:49
	-			-	

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Qualifier

<u>Result</u>

9.81

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**Regulatory Level** 

**Reporting Limit** 



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### **LABORATORY RESULTS**

Name:	CLINTON LANDFI	LL #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: J	Т	Date/Time Collected:	04/21/16 11:40
Sample Type:	Dissolved	Sample Depth:		Total Depth:	
	Phosphoru	ıs, All Forms, Colorime	etric, Automated, by EP	A Method 365.1	
Method:	365.1			Prepared:	04/26/16 12:46
Units:	mg/L			Analyzed:	04/27/16 12:00
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Phosphorus as P		0.254		0.0050	
		Sulfate by Ion C	Chromatography 300.0		
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/28/16 12:27
Analyte		Result	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Sulfate *		ND		10.0	



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

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## LABORATORY RESULTS

Name:	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
Analyta		Result	Qualifier	Dopositing Limit	Dogulatowy Lovel
<u>Analyte</u>			Quaimer	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Trichloroethene		ND		2.0	
Bromodichloromethane		ND		2.0	
cis-1,3-Dichloropropene		ND		2.0	
4-Methyl-2-pentanone (N	MIBK)	ND		2.0	
trans-1,3-Dichloroproper	ne	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-Tetrachloroethan	e	ND		2.0	
Chlorobenzene		ND		2.0	
Ethylbenzene		ND		2.0	
Bromoform		ND		2.0	
Styrene		ND		2.0	
1,1,2,2-Tetrachloroethan	e	ND		2.0	
Xylenes, total		ND		2.0	
1,2,3-Trichloropropane		ND		2.0	
Isopropylbenzene		ND		2.0	
Bromobenzene		ND		2.0	
Bremobenzene				2.0	

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N-Nitrosopiperidine

2,4-Dimethylphenol

2,4-Dichlorophenol

1,2,4-Trichlorobenzene

Bis(2-chloroethoxy)methane

Isophorone

2-Nitrophenol

# **Illinois Environmental Protection Agency Laboratory**

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

#### **LABORATORY RESULTS**

Name:	CLINTON LAN	DFILL #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 E	By: JT	Date/Time Collected:	04/21/16 13:15
Sample Type:		Sample De	pth:	Total Depth:	
		Ser	nivolatiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 10:27
Analyte		<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<b><u>Regulatory Level</u></b>
Pyridine		ND		1.5	
2-Picoline		ND		1.5	
Methyl methanesulfona	ate	ND		1.5	
Ethyl methanesulfonate	2	ND		1.5	
Phenol		ND		1.5	
Bis(2-chloroethyl)ether	ſ	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-chloropro	opane)	ND		1.5	
Acetophenone		ND		1.5	
4-Methylphenol		ND		1.5	
N-Nitrosodi-n-propyla	mine	ND		1.5	
Hexachloroethane		ND		1.5	
Nitrobenzene		ND		1.5	

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ND

ND

ND

ND

ND

ND

ND

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1.5

1.5

1.5

1.5

1.5

1.5



1,2,4,5-Tetrachlorobenzene

Hexachlorocyclopentadiene

2,4,6-Trichlorophenol

2,4,5-Trichlorophenol

2-Chloronaphthalene

1-Chloronaphthalene

1,4-Dinitrobenzene

Dimethylphthalate 1,3-Dinitrobenzene

2,6-Dinitrotoluene

1,2-Dinitrobenzene

Acenaphthylene

3-Nitroaniline

2-Nitroaniline

Safrole

## **Illinois Environmental Protection Agency Laboratory**

825 N. Rutledge Springfield, Illinois 62702 217.782.9780

## LABORATORY RESULTS

Name:	CLINTON LANI	DFILL #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 I	By: JT		Date/Time Collected:	04/21/16 13:15
Sample Type:		Sample De	pth:		Total Depth:	
		Ser	nivolatiles by	GC/MS		
Method:	8270				Prepared:	04/26/16 07:44
Units:	ug/L				Analyzed:	05/02/16 10:27
Analyte		<u>Result</u>	Qu	alifier	<b>Reporting Limit</b>	<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-butylam	ine	ND			1.5	
4-Chloro-3-methylpher	nol	ND			1.5	
Isosafrole		ND			1.5	
2-Methylnaphthalene		ND			1.5	

ND

ND

ND

ND

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### LABORATORY RESULTS

Name:	CLINTON LAN	DFILL #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 B	y: JT	Date/Time Collected:	04/21/16 13:15
Sample Type:		Sample Dep	pth:	Total Depth:	
		Sen	nivolatiles 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>	Qualifier	<u>Reporting Limit</u>	<b>Regulatory Level</b>
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-Tetrachloropher	nol	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-methylph	ienol	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	
Pentachloronitrobenzen	ne	ND		1.5	
Phenanthrene		ND		1.5	
Anthracene		ND		1.5	

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFILL #3	i -			
Project/Facility Number:	0390055036			Date Received :	04/21/16
Funding Code:	LP43			Visit Number:	
-					17.0(
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:	
		Semivo	latiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 10:27
Analyta	Da	an]t	Qualifiar	Depending Limit	Dogulatowy Loval
<u>Analyte</u>		<u>sult</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<b><u>Regulatory Level</u></b>
Carbazole		ID ID		1.5 1.5	
4-Nitrobiphenyl Di-n-butylphthalate		ID ID		1.5	
5-Nitroacenaphthene		ND		1.5	
Isodrin		ND		1.5	
Fluoranthene		ID		1.5	
Pyrene		ND		1.5	
p-Dimethylaminoazobenz		ND		1.5	
Butyl benzyl phthalate		ND		1.5	
3,3-Dichlorobenzidine		ND		1.5	
Benzo(a)anthracene		D		1.5	
Chrysene	Ν	D		1.5	
Bis(2-ethylhexyl)phthala	te N	D		1.5	
Mestranol		D		1.5	
Di-n-octylphthalate	Ν	D		1.5	
Benzo(b)fluoranthene	Ν	D		1.5	
7,12-Dimethylbenzo(a)ar	nthracene N	D		1.5	
Benzo(k)fluoranthene		ND .		1.5	
Benzo(a)pyrene	Ν	ND .		1.5	
Indeno(1,2,3-cd)pyrene	Ν	ND .		1.5	
Dibenzo(a,h)anthracene	Ν	ID		1.5	
Benzo(ghi)perylene	Ν	ID		1.5	

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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### **LABORATORY RESULTS**

Name:	CLINTON LANDF	FILL #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:	
		Chlorida ha la		0	
		Chloride by lo	n Chromatography 300.		
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>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Chloride *		4.88		1.00	
		Cyanide b	y EPA Method 335.4		
Method:	335.4			Prepared:	04/28/16 09:28
Units:	mg/L			Analyzed:	04/28/16 14:20
Analyte		<u>Result</u>	Qualifier	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Cyanide		ND		0.005	
			рН		
Method:	SM 4500H+B			Prepared:	04/22/16 15:48
Units:	РН			Analyzed:	04/22/16 15:51
<u>Analyte</u> Laboratory pH		<u>Result</u> 7.1	<u>Qualifier</u> Q	Reporting Limit 0.1	<u>Regulatory Level</u>

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFILI	. # <b>3</b>			
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 EP	A Method 420.4		
Method:	420.4	-		Prepared:	04/26/16 07:29
Units:	ug/L			Analyzed:	04/26/16 07:29
Analyte		Result	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Phenol		ND	Ι	10.0	
	S	pecific Conductance by	Standard Method 25	10B	
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 Chr	omatography 300.0		
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/28/16 12:37
Units: <u>Analyte</u>	mg/L	<u>Result</u>	<u>Qualifier</u>	Analyzed: <u>Reporting Limit</u>	04/28/16 12:37 <u>Regulatory Level</u>

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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:	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 S	olids, Gravimetric, Dried at 1800	C by Std. Method 2540C	

Method:	2540C			Prepared:	04/25/16 11:35
Units:	mg/L			Analyzed:	04/26/16 15:11
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<u>Regulatory Level</u>
Total Dissolved Solids		620		10	

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#### **LABORATORY RESULTS**

Name:	CLINTON LANDFILI	L # <b>3</b>			
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 Ch	romatography 300.0		
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/28/16 12:46
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Chloride *		4.82		1.00	
		Mercury by EI	PA Method 245.1		
Method:	245.1			Prepared:	05/03/16 09:54
Units:	ug/L			Analyzed:	05/04/16 09:54
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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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### 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
Analyte		Result	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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
Analyte	Res	ult Qualifier	Reporting I	<u>.imit</u> <u>Regulatory Level</u>
Aluminum	94	2	60.0	40000
Barium	28	1	5.00	
Beryllium	N	)	1.00	
Boron	26	0	10.0	
Cadmium	N	)	3.00	
Chromium	N	)	5.00	
Cobalt	N	)	10.0	
Copper	N	)	10.0	
Iron	362	20	50.0	40000
Manganese	40	.5	15.0	
Nickel	N	)	5.00	

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Analyte

Ammonia as N

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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:	G48MD			Lab Sample ID:	16D0532-04
Matrix:	Water	Collected By: J	Г	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
Analyte	Res	<u>ult</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Silver	NI	)		3.00	
Strontium	75	4		5.00	
Vanadium	NI	)		5.00	
Zinc	NI	)		25.0	
	Nitrate-Nitrite, (	Colorimetric, Auto	omated Cadmium by El	PA Method 353.2	
Method:	353.2			Prepared:	04/25/16 09:23
Units:	mg/L			Analyzed:	04/25/16 12:48
Analyte	Res	<u>ult</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory</b> Level
Nitrogen, Nitrite (NO2)	+ Nitrate (NO3 NI	)		0.100	
	Nitrogen, Ammon	ia, Colorimetric, A	Automated Phenate by I	EPA Method 350.1	
Method:	350.1		2	Prepared:	04/27/16 13:57
				-	
Units:	mg/L			Analyzed:	04/27/16 13:57

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Qualifier

<u>Result</u>

7.96

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**Regulatory Level** 

**Reporting Limit** 



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### **LABORATORY RESULTS**

Name:	CLINTON LAND	FILL #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:	
	Phospho	orus, All Forms, Colori	imetric, Automated,	by EPA Method 365.1	
Method:	365.1			Prepared:	04/26/16 12:46
Units:	mg/L			Analyzed:	04/27/16 12:00
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Phosphorus as P		0.231		0.0050	
		Sulfate by Io	n Chromatography 3	600.0	
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/28/16 12:46
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Sulfate *		26.2		10.0	



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

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## LABORATORY RESULTS

Name:	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
Analyta		Result	Qualifier	Dopositing Limit	Dogulatowy Lovel
<u>Analyte</u>			Quaimer	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Trichloroethene		ND		2.0	
Bromodichloromethane		ND		2.0	
cis-1,3-Dichloropropene		ND		2.0	
4-Methyl-2-pentanone (1	MIBK)	ND		2.0	
trans-1,3-Dichloroproper	ne	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-Tetrachloroethan	e	ND		2.0	
Chlorobenzene		ND		2.0	
Ethylbenzene		ND		2.0	
Bromoform		ND		2.0	
Styrene		ND		2.0	
1,1,2,2-Tetrachloroethan	e	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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Acetophenone

4-Methylphenol

Hexachloroethane

N-Nitrosopiperidine

2,4-Dimethylphenol

2,4-Dichlorophenol

1,2,4-Trichlorobenzene

Bis(2-chloroethoxy)methane

Nitrobenzene

Isophorone 2-Nitrophenol

N-Nitrosodi-n-propylamine

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#### **LABORATORY RESULTS**

Name:	CLINTON LAN	DFILL #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 B	y: JT	Date/Time Collected:	04/21/16 13:15
Sample Type:		Sample Dep	th:	Total Depth:	
		Sem	ivolatiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 10:53
Analyte		<u>Result</u>	Qualifier	<u>Reporting Limit</u>	<u>Regulatory Level</u>
Pyridine		ND		1.5	
2-Picoline		ND		1.5	
Methyl methanesulfona	ate	ND		1.5	
Ethyl methanesulfonate	2	ND		1.5	
Phenol		ND		1.5	
Bis(2-chloroethyl)ether	ſ	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-chloropro	opane)	ND		1.5	

ND

ND

ND

ND

ND

ND ND

ND

ND

ND

ND

ND

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1.5

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1.5 1.5

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2,4,5-Trichlorophenol

2-Chloronaphthalene

1-Chloronaphthalene

1,4-Dinitrobenzene

Dimethylphthalate

1,3-Dinitrobenzene

2,6-Dinitrotoluene

1,2-Dinitrobenzene

Acenaphthylene

3-Nitroaniline

2-Nitroaniline

Safrole

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#### **LABORATORY RESULTS**

Name:	CLINTON LAN	DFILL #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 B	By: JT	Date/Time Collected:	04/21/16 13:15
Sample Type:		Sample Dep	pth:	Total Depth:	
		Sen	nivolatiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 10:53
Analyte		<u>Result</u>	Qualifier	<u>Reporting Limit</u>	<b>Regulatory Level</b>
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-butylam	ine	ND		1.5	
4-Chloro-3-methylpher		ND		1.5	
Isosafrole		ND		1.5	
2-Methylnaphthalene		ND		1.5	
1,2,4,5-Tetrachlorobenz	zene	ND		1.5	
Hexachlorocyclopentad		ND		1.5	
2,4,6-Trichlorophenol		ND		1.5	

ND

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1.5

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#### **LABORATORY RESULTS**

Name:	CLINTON LAN	DFILL #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 B	By: JT	Date/Time Collected:	04/21/16 13:15
Sample Type:		Sample Dep	pth:	Total Depth:	
		Sen	nivolatiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 10:53
Analyte		<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
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-Tetrachloropher	nol	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-methylph	enol	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	
Pentachloronitrobenzen	ne	ND		1.5	
Phenanthrene		ND		1.5	
Anthracene		ND		1.5	

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFILI	_# <b>3</b>							
Project/Facility Number:	0390055036			Date Received :	04/21/16				
Funding Code:	LP43			Visit Number:					
Trip ID:				Temperature C:	17.0(				
mp no.				Temperature C.	17.00				
Client Sample ID:	G48RT			Lab Sample ID:	16D0532-05				
Matrix:	Water	Collected By: J1		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				
Units.	ug/L			Analyzeu.	05/02/10 10:55				
Analyte		Result	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory</b> Level				
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-Dimethylaminoazober	nzene	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)phthala	ate	ND		1.5					
Mestranol		ND		1.5					
Di-n-octylphthalate		ND		1.5					
Benzo(b)fluoranthene		ND		1.5					
7,12-Dimethylbenzo(a)a	nthracene	ND		1.5					
Benzo(k)fluoranthene		ND		1.5					
Benzo(a)pyrene		ND		1.5					
Indeno(1,2,3-cd)pyrene		ND		1.5					
Dibenzo(a,h)anthracene		ND		1.5					
Benzo(ghi)perylene		ND		1.5					

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### **LABORATORY RESULTS**

Name:	CLINTON LANDI	FILL #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				
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b><u>Regulatory Level</u></b>				
Chloride *		12.2		1.00					
		Cyanide by	v 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>	Analyzed: <u>Reporting Limit</u>	04/28/16 14:24 <u>Regulatory Level</u>				
<u>Analyte</u> Cyanide		<u>Result</u> ND	<u>Qualifier</u>						
			<u>Oualifier</u> pH	<u>Reporting Limit</u>					
	SM 4500H+B			Reporting Limit 0.005					
Cyanide	SM 4500H+B PH			<u>Reporting Limit</u>	<u>Regulatory Level</u>				
Cyanide Method:				Reporting Limit 0.005 Prepared:	<u>Regulatory Level</u> 04/22/16 15:48				

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFIL	L #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			
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>			
Phenol		14.5	Ι	10.0				
	:	Specific Conductance by	v Standard Method 25	10B				
Method:	2510B			Prepared:	05/04/16 10:16			
Method: Units:	2510B umho/cm			Prepared: Analyzed:	05/04/16 10:16 05/04/16 10:20			
		<u>Result</u>	<u>Qualifier</u>	-				
Units:		<u>Result</u> 1680	<u>Qualifier</u>	Analyzed:	05/04/16 10:20			
Units: <u>Analyte</u>		1680		Analyzed: <u>Reporting Limit</u>	05/04/16 10:20			
Units: <u>Analyte</u>		1680	<u>Qualifier</u> romatography 300.0	Analyzed: <u>Reporting Limit</u> 10.00	05/04/16 10:20			
Units: <u>Analyte</u> <b>Specific Conductance</b> Method:	umho/cm 300.0	1680		Analyzed: <u>Reporting Limit</u> 10.00 Prepared:	05/04/16 10:20 <u>Regulatory Level</u> 04/27/16 08:27			
Units: <u>Analyte</u> Specific Conductance	umho/cm	1680		Analyzed: <u>Reporting Limit</u> 10.00	05/04/16 10:20 <u>Regulatory Level</u>			
Units: <u>Analyte</u> <b>Specific Conductance</b> Method:	umho/cm 300.0	1680		Analyzed: <u>Reporting Limit</u> 10.00 Prepared:	05/04/16 10:20 <u>Regulatory Level</u> 04/27/16 08:27			

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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:	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 So	olids, Gravime	etric, Dried at 180oC by Sto	l. Method 2540C	

Method:	2540C			Prepared:	04/25/16 11:35
Units:	mg/L			Analyzed:	04/26/16 15:11
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	Regulatory Level
<b>Total Dissolved Solids</b>		1170		10	

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFILI	_ #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
		D L	0.110	<b>1</b> 5 <i>(</i> <b>1 1 1 1</b> <i>1 1</i>	
<u>Analyte</u> Chloride *		Result 12.2	<u>Qualifier</u>	Reporting Limit	<u>Regulatory Level</u>
Cinoriae		1 2 . 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
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<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 :	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
Analyte	Result	Qualifier	Reporting Limit	<b>Regulatory Level</b>
Calcium	240		0.30	100000
Magnesium	99.6		0.30	100000
Potassium	ND		1.40	100000
Sodium	11.4		0.30	
Hardness	1010		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
Analyte	Resu	l <u>t Qualifier</u>	Reporting Lin	nit <u>Regulatory Level</u>
Aluminum	ND		60.0	40000
Barium	105		5.00	
Beryllium	ND		1.00	
Boron	164		10.0	
Cadmium	ND		3.00	
Chromium	ND		5.00	
Cobalt	ND		10.0	
Copper	ND		10.0	
Iron	4660	)	50.0	40000
Manganese	471		15.0	
Nickel	ND		5.00	

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Analyte

Ammonia as N

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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:	G48RD			Lab Sample ID:	16D0532-06
Matrix:	Water	Callastad Dru	ĨŦ	Date/Time Collected:	04/21/16 13:15
Matrix:	water	Collected By:	JT	Date/Time Collected:	04/21/10 13:15
Sample Type:	Dissolved	Sample Depth:		Total Depth:	
		Metals by EP	PA Method 6010 - ICP		
Method:	6010			Prepared:	04/27/16 14:27
Units:	ug/L			Analyzed:	05/02/16 12:50
Analyte	Resu	<u>llt</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Silver	ND	)		3.00	
Strontium	323	5		5.00	
Vanadium	ND	)		5.00	
Zinc	ND	)		25.0	
	Nitrate-Nitrite, C	colorimetric, Au	tomated Cadmium by ]	EPA Method 353.2	
Method:	353.2			Prepared:	04/25/16 09:23
Units:	mg/L			Analyzed:	04/25/16 12:49
Analyte	Resu	<u>llt</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Nitrogen, Nitrite (NO2)	+ Nitrate (NO2 ND	)		0.100	
	Nitrogon Ammoni	a Colorimatric	Automated Phenate by	FPA Mathad 350 1	
		a, Coloi Illicti IC,	A sutomated I nehate by		
Method:	350.1			Prepared:	04/27/16 14:00
Units:	mg/L			Analyzed:	04/27/16 14:00

Qualifier

<u>Result</u>

0.22

**Regulatory Level** 

**Reporting Limit** 



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### **LABORATORY RESULTS**

Name:	CLINTON LAND	FILL #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: J'	Т	Date/Time Collected:	04/21/16 13:15
Sample Type:	Dissolved	Sample Depth:		Total Depth:	
	Phospho	rus, All Forms, Colorime	etric, Automated, by	EPA Method 365.1	
Method:	365.1			Prepared:	04/26/16 12:46
Units:	mg/L			Analyzed:	04/27/16 12:01
Analyte		Result	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Phosphorus as P		0.0440		0.0050	
		Sulfate by Ion C	Chromatography 300	).0	
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/29/16 12:05
Analyte		Result	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Sulfate *		226		40.0	



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

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## LABORATORY RESULTS

Name:	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
Amaluta		Result	Qualifier	Departing Limit	Degulatowy Level
<u>Analyte</u>			Quamer	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Trichloroethene		ND		2.0	
Bromodichloromethane		ND		2.0	
cis-1,3-Dichloropropene		ND		2.0	
4-Methyl-2-pentanone (M	IIBK)	ND		2.0	
trans-1,3-Dichloropropen	e	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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2-Nitrophenol

2,4-Dimethylphenol

2,4-Dichlorophenol

1,2,4-Trichlorobenzene

Bis(2-chloroethoxy)methane

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### **LABORATORY RESULTS**

Name:	CLINTON LANE	OFILL #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 B	y: J	Т	Date/Time Collected:	04/21/16 13:15
Sample Type:		Sample Dep	oth:		Total Depth:	
		Sen	nivola	tiles by GC/MS		
Method:	8270				Prepared:	04/26/16 07:44
Units:	ug/L				Analyzed:	05/02/16 11:20
Analyte		<u>Result</u>		<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Pyridine		ND			1.5	
2-Picoline		ND			1.5	
Methyl methanesulfona	te	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-chloropro	pane)	ND			1.5	
Acetophenone		ND			1.5	
4-Methylphenol		ND			1.5	
N-Nitrosodi-n-propylan	nine	ND			1.5	
Hexachloroethane		ND			1.5	
Nitrobenzene		ND			1.5	
N-Nitrosopiperidine		ND			1.5	
Isophorone		ND			1.5	

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ND

ND

ND

ND

ND

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1.5

1.5

1.5

1.5



1,2,4,5-Tetrachlorobenzene

Hexachlorocyclopentadiene

2,4,6-Trichlorophenol

2,4,5-Trichlorophenol

2-Chloronaphthalene

1-Chloronaphthalene

1,4-Dinitrobenzene

Dimethylphthalate

1,3-Dinitrobenzene

2,6-Dinitrotoluene

1,2-Dinitrobenzene

Acenaphthylene

3-Nitroaniline

2-Nitroaniline

Safrole

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## LABORATORY RESULTS

Name:	CLINTON LAND	FILL #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	7: JT	Date/Time Collected:	04/21/16 13:15
Sample Type:		Sample Dept	th:	Total Depth:	
		Sem	ivolatiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 11:20
Analyte		<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
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-butylam	ine	ND		1.5	
4-Chloro-3-methylpher	nol	ND		1.5	
Isosafrole		ND		1.5	
2-Methylnaphthalene		ND		1.5	

ND

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1.5

1.5

1.5

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1.5

1.5



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### LABORATORY RESULTS

Name:	CLINTON LANI	DFILL #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 B	y: JT	Date/Time Collected:	04/21/16 13:15
Sample Type:		Sample Dep	oth:	Total Depth:	
		Sem	nivolatiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 11:20
Analyte		<u>Result</u>	Qualifier	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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-Tetrachloropher	nol	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-methylph	nenol	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	
Pentachloronitrobenzer	ne	ND		1.5	
Phenanthrene		ND		1.5	
Anthracene		ND		1.5	

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFII	LL #3			
Project/Facility Number:	0390055036			Date Received :	04/21/16
Funding Code:	LP43			Visit Number:	
Trip ID:				Temperature C:	17.00
mp ib.				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:	
		Semivol	latiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 11:20
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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-Dimethylaminoazoben	zene	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)phthala	ite	ND		1.5	
Mestranol		ND		1.5	
Di-n-octylphthalate		ND		1.5	
Benzo(b)fluoranthene		ND		1.5	
7,12-Dimethylbenzo(a)a	nthracene	ND		1.5	
Benzo(k)fluoranthene		ND		1.5	
Benzo(a)pyrene		ND		1.5	
Indeno(1,2,3-cd)pyrene		ND		1.5	
Dibenzo(a,h)anthracene		ND		1.5	
Benzo(ghi)perylene		ND		1.5	

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFI	LL #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 C	hromatography 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>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Chloride *		4.91		1.00	
		Coursida ha E	DA M-4h - J 225 4		
		Cyanide by E	PA 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>	<b>Regulatory Level</b>
Cyanide		ND		0.005	
			рН		
Method:	SM 4500H+B			Prepared:	04/22/16 15:48
Units:	РН			Analyzed:	04/22/16 15:51
Analyte		<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Laboratory pH		7.1	Q	0.1	

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFIL	L #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				
Analyte		<u>Result</u>	<u>Qualifier</u>	Reporting Limit	<b>Regulatory</b> Level				
Phenol		ND	Ι	10.0					
		Specific Conductance by	Standard Method 25	10B					
Method:	2510B	Specific Conductance by	Standard Method 25	<b>10B</b> Prepared:	05/04/16 10:16				
Method: Units:		Specific Conductance by	Standard Method 25		05/04/16 10:16 05/04/16 10:20				
	2510B	Specific Conductance by <u>Result</u>	Standard Method 25 <u>Qualifier</u>	Prepared:					
Units:	2510B			Prepared: Analyzed:	05/04/16 10:20				
Units: <u>Analyte</u>	2510B	<u>Result</u> 1100		Prepared: Analyzed: <u>Reporting Limit</u>	05/04/16 10:20				
Units: <u>Analyte</u>	2510B	<u>Result</u> 1100	<u>Qualifier</u>	Prepared: Analyzed: <u>Reporting Limit</u>	05/04/16 10:20				
Units: <u>Analyte</u> Specific Conductance	2510B umho/cm	<u>Result</u> 1100	<u>Qualifier</u>	Prepared: Analyzed: <u>Reporting Limit</u> 10.00	05/04/16 10:20 <u>Regulatory Level</u>				
Units: <u>Analyte</u> <b>Specific Conductance</b> Method:	2510B umho/cm 300.0	<u>Result</u> 1100	<u>Qualifier</u>	Prepared: Analyzed: <u>Reporting Limit</u> 10.00 Prepared:	05/04/16 10:20 <u>Regulatory Level</u> 04/27/16 08:27				



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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:	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 Se	olids, Gravimetric, Dried at	t 180oC by Std	l. 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>	<b>Regulatory Level</b>
<b>Total Dissolved Solids</b>		616		10	

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFILL #3	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 Cl	hromatography 300.0		
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/28/16 13:44
<u>Analyte</u>	Re	esult	Qualifier	<b>Reporting Limit</b>	<u>Regulatory Level</u>
Chloride *	4	.85		1.00	
		Mercury by E	PA Method 245.1		
Method:	245.1			Prepared:	05/03/16 09:54
Units:	ug/L			Analyzed:	05/04/16 09:54
Analyte	Re	esult	<u>Qualifier</u>	<b>Reporting Limit</b>	<u>Regulatory Level</u>
Mercury	1	ND		0.06	
		Metals by EPA 600	0/7000 Series Methods		
Method:	6020			Prepared:	04/29/16 12:30
Units:	ug/L			Analyzed:	05/02/16 09:32
<u>Analyte</u>	Re	esult	Qualifier	<b>Reporting Limit</b>	<u>Regulatory Level</u>
Antimony	1	ND		2.00	
Arsenic		0.02		0.50	
Lead		ND		5.00	
Selenium		ND		2.00	
Thallium	1	ND		2.00	

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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:	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
Analyte	Ē	<u> Xesult</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
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
Analyte		Result	Qualifier_	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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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Analyte

Ammonia as N

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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:	G90MD			Lab Sample ID:	16D0532-08
Matrix:	Water	Collected By: J	Т	Date/Time Collected:	04/21/16 13:15
Sample Type:	Dissolved	Sample Depth:		Total Depth:	
		Matala by FD	A Mathad (010 ICD		
		Metals by EFA	A Method 6010 - ICP		
Method:	6010			Prepared:	04/27/16 14:27
Units:	ug/L			Analyzed:	05/02/16 12:54
<u>Analyte</u>	Res	<u>ult</u>	Qualifier	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Silver	NI	)		3.00	
Strontium	73			5.00	
Vanadium	NI			5.00	
Zinc	NI	)		25.0	
	Nitrate-Nitrite, (	Colorimetric, Aut	omated Cadmium by EF	PA Method 353.2	
Method:	353.2			Prepared:	04/25/16 09:23
Units:	mg/L			Analyzed:	04/25/16 12:50
<u>Analyte</u>	Res	<u>ult</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory</b> Level
Nitrogen, Nitrite (NO2)	+ Nitrate (NO3 NI	)		0.100	
	Nitrogen, Ammoni	ia, Colorimetric, .	Automated Phenate by I	EPA Method 350.1	
Method:	350.1			Prepared:	04/27/16 14:03
Units:	mg/L			Analyzed:	04/27/16 14:03

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Qualifier

<u>Result</u>

7.88

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**Regulatory Level** 

**Reporting Limit** 



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### **LABORATORY RESULTS**

Name:	CLINTON LAND	FILL #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:	
	Phospho	rus, All Forms, Colorin	netric, Automated, b	y EPA Method 365.1	
Method:	365.1			Prepared:	04/26/16 12:46
Units:	mg/L			Analyzed:	04/27/16 12:02
Analyte		Result	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Phosphorus as P		0.239		0.0050	
		Sulfate by Ion	Chromatography 30	00.0	
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/28/16 13:44
Analyte		Result	<u>Qualifier</u>	<b><u>Reporting Limit</u></b>	<b>Regulatory Level</b>
Sulfate *		25.8		10.0	



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

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## LABORATORY RESULTS

Name:	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>	<b>Regulatory Level</b>
Trichloroethene		ND		2.0	
Bromodichloromethane	;	ND		2.0	
cis-1,3-Dichloropropen	e	ND		2.0	
4-Methyl-2-pentanone	(MIBK)	ND		2.0	
trans-1,3-Dichloroprop	ene	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	2	ND		2.0	
1,2-Dibromoethane		ND		2.0	
Tetrachloroethene		ND		2.0	
1,1,1,2-Tetrachloroetha	ne	ND		2.0	
Chlorobenzene		ND		2.0	
Ethylbenzene		ND		2.0	
Bromoform		ND		2.0	
Styrene		ND		2.0	
1,1,2,2-Tetrachloroetha	ne	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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2,4-Dimethylphenol

2,4-Dichlorophenol

1,2,4-Trichlorobenzene

Bis(2-chloroethoxy)methane

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### **LABORATORY RESULTS**

Name:	CLINTON LAN	DFILL #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	i:	Total Depth:	
		Semi	volatiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 11:47
<u>Analyte</u>		Result	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Pyridine		ND		1.5	
2-Picoline		ND		1.5	
Methyl methanesulfona	ate	ND		1.5	
Ethyl methanesulfonate	e	ND		1.5	
Phenol		ND		1.5	
Bis(2-chloroethyl)ether	ſ	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-chloropro	opane)	ND		1.5	
Acetophenone		ND		1.5	
4-Methylphenol		ND		1.5	
N-Nitrosodi-n-propylar	mine	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	

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ND

ND

ND

ND

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1.5

1.5

1.5



2,4,6-Trichlorophenol

2,4,5-Trichlorophenol

2-Chloronaphthalene

1-Chloronaphthalene

1,4-Dinitrobenzene

Dimethylphthalate

1,3-Dinitrobenzene

2,6-Dinitrotoluene

1,2-Dinitrobenzene

Acenaphthylene

3-Nitroaniline

2-Nitroaniline

Safrole

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### **LABORATORY RESULTS**

Name:	CLINTON LAN	DFILL #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 B	iy: JT	Date/Time Collected:	04/21/16 14:50
Sample Type:		Sample Dep	pth:	Total Depth:	
		Sen	nivolatiles 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>	Qualifier	<u>Reporting Limit</u>	<b><u>Regulatory Level</u></b>
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-butylam	ine	ND		1.5	
4-Chloro-3-methylpher	nol	ND		1.5	
Isosafrole		ND		1.5	
2-Methylnaphthalene		ND		1.5	
1,2,4,5-Tetrachloroben	zene	ND		1.5	
Hexachlorocyclopentae	diene	ND		1.5	

ND

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1.5

1.5

1.5

1.5

1.5

1.5

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1.5

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1.5

1.5



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### LABORATORY RESULTS

Name:	CLINTON LAND	FILL #3			
Project/Facility Number:	0390055036			Date Received :	04/21/16
Funding Code:	LP43			Visit Number:	
					17.0/
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:	
		Semivo	latiles by GC/MS		
		Senirvo			
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 11:47
Analyte		<u>Result</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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-Tetrachlorophe	enol	ND		1.5	
Diethylphthalate		ND		1.5	
4-Chlorophenyl pheny	l ether	ND		1.5	
Fluorene		ND		1.5	
4-Nitroaniline		ND		1.5	
4,6-Dinitro-2-methylp	henol	ND		1.5	
Diphenylamine		ND		1.5	
Azobenzene		ND		1.5	
Phenacetin	1	ND		1.5	
4-Bromophenyl pheny	1 ether	ND		1.5	
Hexachlorobenzene		ND		1.5	
Pentachlorophenol Pronamide		ND ND		1.5 1.5	
Pronamide Pentachloronitrobenze	ne	ND ND		1.5	
Phenanthrene		ND		1.5	
Anthracene		ND		1.5	
				1.5	

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFII	LL #3			
Project/Facility Number:	0390055036			Date Received :	04/21/16
Funding Code:	LP43			Visit Number:	
Trip ID:				Temperature C:	17.0(
mp iD.				Temperature C.	17.00
Client Sample ID:	G08RT			Lab Sample ID:	16D0532-09
Matrix:	Water	Collected By: J	Т	Date/Time Collected:	04/21/16 14:50
Sample Type:		Sample Depth:		Total Depth:	
		Semivola	tiles by GC/MS		
Method:	8270			Prepared:	04/26/16 07:44
Units:	ug/L			Analyzed:	05/02/16 11:47
Analyte		Result	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
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-Dimethylaminoazober	nzene	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)phthal	ate	ND		1.5	
Mestranol		ND		1.5	
Di-n-octylphthalate		ND		1.5	
Benzo(b)fluoranthene		ND		1.5	
7,12-Dimethylbenzo(a)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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825 N. Rutledge Springfield, Illinois 62702 217.782.9780

### **LABORATORY RESULTS**

Name:	CLINTON LANDF	ILL #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: J		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>	<b>Regulatory Level</b>
Chloride *		7.61		1.00	
		Cyanide by 1	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>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Cyanide		ND		0.005	
			рН		
Method:	SM 4500H+B			Prepared:	04/22/16 15:48
Units:	РН			Analyzed:	04/22/16 15:51
<u>Analyte</u>		Result	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>

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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:	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 EP.	A Method 420.4		
Method:	420.4			Prepared:	04/26/16 07:29
Units:	ug/L			Analyzed:	04/26/16 07:29
Analyte	]	Result	<u>Qualifier</u>	<b>Reporting Limit</b>	Regulatory Level
Phenol		ND	Ι	10.0	
	S	pecific Conductance by	Standard Method 25	10B	
Method:	2510B			Prepared:	05/04/16 10:16
Units:	umho/cm			Analyzed:	05/04/16 10:20
Analyte	]	<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory</b> Level
Specific Conductance		1276		10.00	
		Sulfate by Ion Chr	omatography 300.0		
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/28/16 13:54
<u>Analyte</u> Sulfate *	]	<u>Result</u> 86.1	<u>Qualifier</u>	<u>Reporting Limit</u> 10.0	<u>Regulatory Level</u>

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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:	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 So	olids, Gravimetı	ric, Dried at 180oC by Std	. Method 2540C	

Method:	2540C			Prepared:	04/25/16 11:35
Units:	mg/L			Analyzed:	04/26/16 15:11
Analyte		Result	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
<b>Total Dissolved Solids</b>		764		10	

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### **LABORATORY RESULTS**

Name:	CLINTON LANDFILL #3	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 Ch	romatography 300.0		
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/28/16 14:04
<u>Analyte</u>	R	esul <u>t</u>	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Chloride *	7	2.67		1.00	
		Mercury by El	PA Method 245.1		
Method:	245.1			Prepared:	05/03/16 09:54
Units:	ug/L			Analyzed:	05/04/16 09:54
<u>Analyte</u>	Re	esult	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory</b> Level
Mercury	1	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>	Re	esult	<u>Qualifier</u>	<b>Reporting Limit</b>	<u>Regulatory Level</u>
Antimony	1	ND		2.00	
Arsenic		.58		0.50	
Lead		ND		5.00	
Selenium		ND		2.00	
Thallium	1	ND		2.00	

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

#### Metals by EPA Method 6010 - ICP

Units:ug/LAnalyzed:05/02/16 12:57AnalyteResultQualifierReporting LimitRegulatory LevelAluminumND60.040000
Aluminum ND 60.0 40000
<b>Barium</b> 294 5.00
Beryllium ND 1.00
Boron 228 10.0
Cadmium ND 3.00
Chromium ND 5.00
Cobalt ND 10.0
Copper ND 10.0
Iron 3440 50.0 40000
<b>Manganese 80.5</b> 15.0
Nickel ND 5.00

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Analyte

Ammonia as N

## **Illinois Environmental Protection Agency Laboratory**

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### **LABORATORY RESULTS**

),					
Name:	CLINTON LAND	F1LL #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:	
		Motals by F	PA Method 6010 - IC	סי	
		Wittais by E	r A Method 0010 - IC	21	
Method:	6010			Prepared:	04/27/16 14:27
Units:	ug/L			Analyzed:	05/02/16 12:57
Analyte		<u>Result</u>	Qualifier	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Silver		ND		3.00	
Strontium		883		5.00	
Vanadium		ND		5.00	
Zinc		ND		25.0	
	Nitrate-N	litrite, Colorimetric, Au	itomated 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>		Result	Qualifier	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Nitrogen, Nitrite (NO2)	) + Nitrate (NO3	ND		0.100	
	Nitrogen, A	Ammonia, Colorimetric	, Automated Phenat	e by EPA Method 350.1	
Method:	350.1			Prepared:	04/27/16 14:06
Units:	mg/L			Analyzed:	04/27/16 14:06
		<b>D</b>	0 H.M.	<b>.</b>	

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Qualifier

<u>Result</u>

5.08

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**Regulatory Level** 

**Reporting Limit** 



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### **LABORATORY RESULTS**

Name:	CLINTON LANI	OFILL #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	1:	Total Depth:	
	Phosph	orus, All Forms, Colo	rimetric, Automated,	by EPA Method 365.1	
Method:	365.1			Prepared:	04/26/16 12:46
Units:	mg/L			Analyzed:	04/27/16 12:02
Analyte		<u>Result</u>	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Phosphorus as P		0.295		0.0050	
		Sulfate by Id	on Chromatography 3	300.0	
Method:	300.0			Prepared:	04/27/16 08:27
Units:	mg/L			Analyzed:	04/28/16 14:04
Analyte		Result	<u>Qualifier</u>	<b>Reporting Limit</b>	<b>Regulatory Level</b>
Sulfate *		89.0		10.0	



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### LABORATORY RESULTS

Name:	CLINTON LANDFILL #	<b>#3</b>		
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>		Result	<u>Qualifier</u>	<u>Reporting Limit</u>	<b>Regulatory Level</b>
Chloromethane		ND		2.0	
Vinyl chloride		ND		2.0	
Bromomethane		ND		2.0	
Chloroethane		ND		2.0	
Trichlorofluoromethane		ND		2.0	
Acetone		ND		10	
1,1-Dichloroethene		ND		2.0	
Methylene chloride		ND		5.0	
Carbon disulfide		ND		2.0	
trans-1,2-Dichloroethene		ND		2.0	
Methyl tert-butyl ether		ND		2.0	
1,1-Dichloroethane		ND		2.0	
2-Butanone (MEK)		ND		10	
cis-1,2-Dichloroethene		ND		2.0	
Bromochloromethane		ND		2.0	
Chloroform		ND		2.0	
2,2-Dichloropropane		ND		2.0	
1,2-Dichloroethane		ND		2.0	
1,1,1-Trichloroethane		ND		2.0	
1,1-Dichloropropene		ND		2.0	
Carbon tetrachloride		ND		2.0	
Benzene		ND		2.0	
Dibromomethane		ND		2.0	
1,2-Dichloropropane		ND		2.0	

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## LABORATORY RESULTS

Name:	CLINTON LANDFILL #	<b>#3</b>		
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>	<b>Regulatory Level</b>
Trichloroethene		ND		2.0	
Bromodichloromethane		ND		2.0	
cis-1,3-Dichloropropene	;	ND		2.0	
4-Methyl-2-pentanone (N	MIBK)	ND		2.0	
trans-1,3-Dichloroproper	ne	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-Tetrachloroethan	e	ND		2.0	
Chlorobenzene		ND		2.0	
Ethylbenzene		ND		2.0	
Bromoform		ND		2.0	
Styrene		ND		2.0	
1,1,2,2-Tetrachloroethan	e	ND		2.0	
Xylenes, total		ND		2.0	
1,2,3-Trichloropropane		ND		2.0	
Isopropylbenzene		ND		2.0	
Bromobenzene		ND		2.0	

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### **LABORATORY RESULTS**

Name:	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 indicitive 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:

Matthe C

Matthew C. Neely Organic Analysis Unit Supervisor The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Test results meet all requirements of NELAC (accredited by Florida DOH #E37645). If you have any questions about this report, please contact Tom Weiss, Laboratory Manager, at 217.782.9780.

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