These samples were collected by National Fuel Gas (NFG) on 5-29-2019 from a routine utility maintenance project excavation performed in the utility right of way to access their 24" gas line that runs along the south side of the Niagara Sanitation Landfill (NSL). The excavation was located just north of NSL well LDP-01. NFG and NYSDEC collected split soil samples for analysis from a gray clayey soil around the gas pipe; to evaluate disposal options for collected dewatering fluids, NFG also analyzed a water sample from an onsite temporary tank used to containerized water pumped from the excavation.

PARADIGM ENVIRONMENTAL SERVICES, INC.

Analytical Report For

National Fuel Gas Supply Corp.

For Lab Project ID

192399

Referencing

Nash Rd X-North

Prepared

Friday, May 31, 2019

Any noncompliant QC parameters or other notes impacting data interpretation are flagged or documented on the final report or are noted below.

Certifies that this report has been approved by the Technical Director or Designee

179 Lake Avenue • Rochester, NY 14608 • (585) 647-2530 • Fax (585) 647-3311 • ELAP ID# 10958

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-01	**Date Sampled:**	5/29/2019
Matrix:	Soil	**Date Received:**	5/29/2019

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	**0.0910**	mg/Kg		5/31/2019 12:36

Method Reference(s): EPA 7471B
Subcontractor ELAP ID: 10709

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**13700**	mg/Kg		5/31/2019 08:36
Antimony	< 3.97	mg/Kg		5/31/2019 08:36
Arsenic	**2.94**	mg/Kg		5/31/2019 08:36
Barium	**78.7**	mg/Kg		5/31/2019 08:36
Beryllium	**0.666**	mg/Kg		5/31/2019 08:36
Cadmium	< 0.331	mg/Kg		5/31/2019 08:36
Calcium	**61100**	mg/Kg		5/31/2019 08:18
Chromium	**18.2**	mg/Kg		5/31/2019 08:36
Cobalt	**7.55**	mg/Kg		5/31/2019 08:36
Copper	**20.7**	mg/Kg		5/31/2019 08:36
Iron	**18700**	mg/Kg		5/31/2019 08:36
Lead	**13.2**	mg/Kg		5/31/2019 08:36
Magnesium	**12800**	mg/Kg		5/31/2019 08:36
Manganese	**415**	mg/Kg		5/31/2019 08:36
Nickel	**18.2**	mg/Kg		5/31/2019 08:36
Potassium	**3050**	mg/Kg		5/31/2019 08:36
Selenium	< 1.32	mg/Kg		5/31/2019 10:06
Silver	< 0.662	mg/Kg		5/31/2019 08:36
Sodium	**201**	mg/Kg		5/31/2019 08:36
Thallium	**3.58**	mg/Kg		5/31/2019 08:36
Vanadium	**25.9**	mg/Kg		5/31/2019 08:36
Zinc	**74.1**	mg/Kg		5/31/2019 08:36

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-01	**Date Sampled:**	5/29/2019
Matrix:	Soil	**Date Received:**	5/29/2019

Method Reference(s): EPA 6010C
EPA 3050B
Preparation Date: 5/30/2019
Data File: 190531A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 0.0370	mg/Kg		5/30/2019 15:48
PCB-1221	< 0.0370	mg/Kg		5/30/2019 15:48
PCB-1232	< 0.0370	mg/Kg		5/30/2019 15:48
PCB-1242	< 0.0370	mg/Kg		5/30/2019 15:48
PCB-1248	< 0.0370	mg/Kg		5/30/2019 15:48
PCB-1254	< 0.0370	mg/Kg		5/30/2019 15:48
PCB-1260	< 0.0370	mg/Kg		5/30/2019 15:48
PCB-1262	< 0.0370	mg/Kg		5/30/2019 15:48
PCB-1268	< 0.0370	mg/Kg		5/30/2019 15:48

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**35.3**	12.8 - 98.2		5/30/2019 15:48

Method Reference(s): EPA 8082A
EPA 3546
Preparation Date: 5/30/2019

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 3.70	ug/Kg		5/30/2019 14:47
4,4-DDE	< 3.70	ug/Kg		5/30/2019 14:47
4,4-DDT	< 3.70	ug/Kg		5/30/2019 14:47
Aldrin	< 3.70	ug/Kg		5/30/2019 14:47
alpha-BHC	< 3.70	ug/Kg		5/30/2019 14:47
beta-BHC	< 3.70	ug/Kg		5/30/2019 14:47
cis-Chlordane	< 3.70	ug/Kg		5/30/2019 14:47
delta-BHC	< 3.70	ug/Kg		5/30/2019 14:47
Dieldrin	< 3.70	ug/Kg		5/30/2019 14:47

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-01	**Date Sampled:**	5/29/2019
Matrix:	Soil	**Date Received:**	5/29/2019

Endosulfan I	< 3.70	ug/Kg		5/30/2019 14:47
Endosulfan II	< 3.70	ug/Kg		5/30/2019 14:47
Endosulfan Sulfate	< 3.70	ug/Kg		5/30/2019 14:47
Endrin	< 3.70	ug/Kg		5/30/2019 14:47
Endrin Aldehyde	< 3.70	ug/Kg		5/30/2019 14:47
Endrin Ketone	< 3.70	ug/Kg		5/30/2019 14:47
gamma-BHC (Lindane)	< 3.70	ug/Kg		5/30/2019 14:47
Heptachlor	< 3.70	ug/Kg		5/30/2019 14:47
Heptachlor Epoxide	< 3.70	ug/Kg		5/30/2019 14:47
Methoxychlor	< 3.70	ug/Kg		5/30/2019 14:47
Toxaphene	< 37.0	ug/Kg		5/30/2019 14:47
trans-Chlordane	< 3.70	ug/Kg		5/30/2019 14:47

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl (1)	**94.5**	20.6 - 144		5/30/2019 14:47
Tetrachloro-m-xylene (1)	**62.1**	29.4 - 105		5/30/2019 14:47

Method Reference(s): EPA 8081B
EPA 3546

Preparation Date: 5/30/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 364	ug/Kg		5/30/2019 17:38
1,2,4,5-Tetrachlorobenzene	< 364	ug/Kg		5/30/2019 17:38
1,2,4-Trichlorobenzene	< 364	ug/Kg		5/30/2019 17:38
1,2-Dichlorobenzene	< 364	ug/Kg		5/30/2019 17:38
1,3-Dichlorobenzene	< 364	ug/Kg		5/30/2019 17:38
1,4-Dichlorobenzene	< 364	ug/Kg		5/30/2019 17:38
2,2-Oxybis (1-chloropropane)	< 364	ug/Kg		5/30/2019 17:38
2,3,4,6-Tetrachlorophenol	< 364	ug/Kg		5/30/2019 17:38
2,4,5-Trichlorophenol	< 364	ug/Kg		5/30/2019 17:38
2,4,6-Trichlorophenol	< 364	ug/Kg		5/30/2019 17:38

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-01	**Date Sampled:**	5/29/2019
Matrix:	Soil	**Date Received:**	5/29/2019

2,4-Dichlorophenol	< 364	ug/Kg	5/30/2019	17:38
2,4-Dimethylphenol	< 364	ug/Kg	5/30/2019	17:38
2,4-Dinitrophenol	< 1460	ug/Kg	5/30/2019	17:38
2,4-Dinitrotoluene	< 364	ug/Kg	5/30/2019	17:38
2,6-Dinitrotoluene	< 364	ug/Kg	5/30/2019	17:38
2-Chloronaphthalene	< 364	ug/Kg	5/30/2019	17:38
2-Chlorophenol	< 364	ug/Kg	5/30/2019	17:38
2-Methylnapthalene	< 364	ug/Kg	5/30/2019	17:38
2-Methylphenol	< 364	ug/Kg	5/30/2019	17:38
2-Nitroaniline	< 364	ug/Kg	5/30/2019	17:38
2-Nitrophenol	< 364	ug/Kg	5/30/2019	17:38
3&4-Methylphenol	< 364	ug/Kg	5/30/2019	17:38
3,3'-Dichlorobenzidine	< 364	ug/Kg	5/30/2019	17:38
3-Nitroaniline	< 364	ug/Kg	5/30/2019	17:38
4,6-Dinitro-2-methylphenol	< 488	ug/Kg	5/30/2019	17:38
4-Bromophenyl phenyl ether	< 364	ug/Kg	5/30/2019	17:38
4-Chloro-3-methylphenol	< 364	ug/Kg	5/30/2019	17:38
4-Chloroaniline	< 364	ug/Kg	5/30/2019	17:38
4-Chlorophenyl phenyl ether	< 364	ug/Kg	5/30/2019	17:38
4-Nitroaniline	< 364	ug/Kg	5/30/2019	17:38
4-Nitrophenol	< 364	ug/Kg	5/30/2019	17:38
Acenaphthene	< 364	ug/Kg	5/30/2019	17:38
Acenaphthylene	< 364	ug/Kg	5/30/2019	17:38
Acetophenone	< 364	ug/Kg	5/30/2019	17:38
Anthracene	**826**	ug/Kg	5/30/2019	17:38
Atrazine	< 364	ug/Kg	5/30/2019	17:38
Benzaldehyde	< 364	ug/Kg	5/30/2019	17:38
Benzo (a) anthracene	**1350**	ug/Kg	5/30/2019	17:38
Benzo (a) pyrene	**996**	ug/Kg	5/30/2019	17:38
Benzo (b) fluoranthene	**847**	ug/Kg	5/30/2019	17:38

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-01	**Date Sampled:**	5/29/2019
Matrix:	Soil	**Date Received:**	5/29/2019

Benzo (g,h,i) perylene	**556**	ug/Kg	5/30/2019	17:38
Benzo (k) fluoranthene	**875**	ug/Kg	5/30/2019	17:38
Bis (2-chloroethoxy) methane	< 364	ug/Kg	5/30/2019	17:38
Bis (2-chloroethyl) ether	< 364	ug/Kg	5/30/2019	17:38
Bis (2-ethylhexyl) phthalate	< 364	ug/Kg	5/30/2019	17:38
Butylbenzylphthalate	< 364	ug/Kg	5/30/2019	17:38
Caprolactam	< 364	ug/Kg	5/30/2019	17:38
Carbazole	< 364	ug/Kg	5/30/2019	17:38
Chrysene	**1150**	ug/Kg	5/30/2019	17:38
Dibenz (a,h) anthracene	< 364	ug/Kg	5/30/2019	17:38
Dibenzofuran	< 364	ug/Kg	5/30/2019	17:38
Diethyl phthalate	< 364	ug/Kg	5/30/2019	17:38
Dimethyl phthalate	< 364	ug/Kg	5/30/2019	17:38
Di-n-butyl phthalate	< 364	ug/Kg	5/30/2019	17:38
Di-n-octylphthalate	< 364	ug/Kg	5/30/2019	17:38
Fluoranthene	**3180**	ug/Kg	5/30/2019	17:38
Fluorene	< 364	ug/Kg	5/30/2019	17:38
Hexachlorobenzene	< 364	ug/Kg	5/30/2019	17:38
Hexachlorobutadiene	< 364	ug/Kg	5/30/2019	17:38
Hexachlorocyclopentadiene	< 1460	ug/Kg	5/30/2019	17:38
Hexachloroethane	< 364	ug/Kg	5/30/2019	17:38
Indeno (1,2,3-cd) pyrene	**549**	ug/Kg	5/30/2019	17:38
Isophorone	< 364	ug/Kg	5/30/2019	17:38
Naphthalene	< 364	ug/Kg	5/30/2019	17:38
Nitrobenzene	< 364	ug/Kg	5/30/2019	17:38
N-Nitroso-di-n-propylamine	< 364	ug/Kg	5/30/2019	17:38
N-Nitrosodiphenylamine	< 364	ug/Kg	5/30/2019	17:38
Pentachlorophenol	< 729	ug/Kg	5/30/2019	17:38
Phenanthrene	**2050**	ug/Kg	5/30/2019	17:38
Phenol	< 364	ug/Kg	5/30/2019	17:38

Sample Identifier: Nash Rd X-North
Lab Sample ID: 192399-01 **Date Sampled:** 5/29/2019
Matrix: Soil **Date Received:** 5/29/2019

Pyrene	**2410**	ug/Kg			5/30/2019 17:38

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**63.9**	34.8 - 95.1		5/30/2019 17:38
2-Fluorobiphenyl	**64.1**	34.1 - 82		5/30/2019 17:38
2-Fluorophenol	**66.0**	34.7 - 81.4		5/30/2019 17:38
Nitrobenzene-d5	**43.3**	31.2 - 77.2		5/30/2019 17:38
Phenol-d5	**69.6**	36 - 82.6		5/30/2019 17:38
Terphenyl-d14	**73.7**	37.7 - 94.8		5/30/2019 17:38

Method Reference(s): EPA 8270D
EPA 3546
Preparation Date: 5/30/2019
Data File: B37459.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 6.89	ug/Kg		5/30/2019 14:43
1,1,2,2-Tetrachloroethane	< 6.89	ug/Kg		5/30/2019 14:43
1,1,2-Trichloroethane	< 6.89	ug/Kg		5/30/2019 14:43
1,1-Dichloroethane	< 6.89	ug/Kg		5/30/2019 14:43
1,1-Dichloroethene	< 6.89	ug/Kg		5/30/2019 14:43
1,2,3-Trichlorobenzene	< 17.2	ug/Kg		5/30/2019 14:43
1,2,4-Trichlorobenzene	< 17.2	ug/Kg		5/30/2019 14:43
1,2-Dibromo-3-Chloropropane	< 34.4	ug/Kg		5/30/2019 14:43
1,2-Dibromoethane	< 6.89	ug/Kg		5/30/2019 14:43
1,2-Dichlorobenzene	< 6.89	ug/Kg		5/30/2019 14:43
1,2-Dichloroethane	< 6.89	ug/Kg		5/30/2019 14:43
1,2-Dichloropropane	< 6.89	ug/Kg		5/30/2019 14:43
1,3-Dichlorobenzene	< 6.89	ug/Kg		5/30/2019 14:43
1,4-Dichlorobenzene	< 6.89	ug/Kg		5/30/2019 14:43
1,4-Dioxane	< 68.9	ug/Kg		5/30/2019 14:43
2-Butanone	< 34.4	ug/Kg		5/30/2019 14:43
2-Hexanone	< 17.2	ug/Kg		5/30/2019 14:43

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-01	**Date Sampled:**	5/29/2019
Matrix:	Soil	**Date Received:**	5/29/2019

4-Methyl-2-pentanone	< 17.2	ug/Kg	5/30/2019	14:43
Acetone	< 34.4	ug/Kg	5/30/2019	14:43
Benzene	< 6.89	ug/Kg	5/30/2019	14:43
Bromochloromethane	< 17.2	ug/Kg	5/30/2019	14:43
Bromodichloromethane	< 6.89	ug/Kg	5/30/2019	14:43
Bromoform	< 17.2	ug/Kg	5/30/2019	14:43
Bromomethane	< 6.89	ug/Kg	5/30/2019	14:43
Carbon disulfide	< 6.89	ug/Kg	5/30/2019	14:43
Carbon Tetrachloride	< 6.89	ug/Kg	5/30/2019	14:43
Chlorobenzene	< 6.89	ug/Kg	5/30/2019	14:43
Chloroethane	< 6.89	ug/Kg	5/30/2019	14:43
Chloroform	< 6.89	ug/Kg	5/30/2019	14:43
Chloromethane	< 6.89	ug/Kg	5/30/2019	14:43
cis-1,2-Dichloroethene	< 6.89	ug/Kg	5/30/2019	14:43
cis-1,3-Dichloropropene	< 6.89	ug/Kg	5/30/2019	14:43
Cyclohexane	< 34.4	ug/Kg	5/30/2019	14:43
Dibromochloromethane	< 6.89	ug/Kg	5/30/2019	14:43
Dichlorodifluoromethane	< 6.89	ug/Kg	5/30/2019	14:43
Ethylbenzene	< 6.89	ug/Kg	5/30/2019	14:43
Freon 113	< 6.89	ug/Kg	5/30/2019	14:43
Isopropylbenzene	< 6.89	ug/Kg	5/30/2019	14:43
m,p-Xylene	< 6.89	ug/Kg	5/30/2019	14:43
Methyl acetate	< 6.89	ug/Kg	5/30/2019	14:43
Methyl tert-butyl Ether	< 6.89	ug/Kg	5/30/2019	14:43
Methylcyclohexane	< 6.89	ug/Kg	5/30/2019	14:43
Methylene chloride	< 17.2	ug/Kg	5/30/2019	14:43
o-Xylene	< 6.89	ug/Kg	5/30/2019	14:43
Styrene	< 17.2	ug/Kg	5/30/2019	14:43
Tetrachloroethene	< 6.89	ug/Kg	5/30/2019	14:43
Toluene	< 6.89	ug/Kg	5/30/2019	14:43

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-01	**Date Sampled:**	5/29/2019
Matrix:	Soil	**Date Received:**	5/29/2019

trans-1,2-Dichloroethene	< 6.89	ug/Kg	5/30/2019	14:43
trans-1,3-Dichloropropene	< 6.89	ug/Kg	5/30/2019	14:43
Trichloroethene	< 6.89	ug/Kg	5/30/2019	14:43
Trichlorofluoromethane	< 6.89	ug/Kg	5/30/2019	14:43
Vinyl chloride	< 6.89	ug/Kg	5/30/2019	14:43

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed	
1,2-Dichloroethane-d4	**100**	70.5 - 138		5/30/2019	14:43
4-Bromofluorobenzene	**95.3**	66.2 - 124		5/30/2019	14:43
Pentafluorobenzene	**97.2**	86 - 110		5/30/2019	14:43
Toluene-D8	**96.6**	81.6 - 113		5/30/2019	14:43

Method Reference(s): EPA 8260C
EPA 5035A - L

Data File: x61402.D

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-02	**Date Sampled:**	5/29/2019
Matrix:	Water	**Date Received:**	5/29/2019

Mercury

Analyte	Result	Units	Qualifier	Date Analyzed
Mercury	<0.0002	mg/L		5/31/2019 12:02

Method Reference(s): EPA 245.1 Rev 3.0 10709
Subcontractor ELAP ID:

TAL Metals (ICP)

Analyte	Result	Units	Qualifier	Date Analyzed
Aluminum	**4.58**	mg/L		5/31/2019 08:01
Antimony	< 0.0600	mg/L		5/31/2019 08:01
Arsenic	< 0.0100	mg/L		5/31/2019 08:01
Barium	**0.432**	mg/L		5/31/2019 08:01
Beryllium	< 0.00500	mg/L		5/31/2019 08:01
Cadmium	< 0.00500	mg/L		5/31/2019 08:01
Calcium	**184**	mg/L		5/31/2019 08:01
Chromium	< 0.0100	mg/L		5/31/2019 08:01
Cobalt	< 0.0500	mg/L		5/31/2019 08:01
Copper	**0.109**	mg/L		5/31/2019 08:01
Iron	**35.0**	mg/L		5/31/2019 08:01
Lead	< 0.0100	mg/L		5/31/2019 08:01
Magnesium	**51.2**	mg/L		5/31/2019 08:01
Manganese	**6.86**	mg/L		5/31/2019 08:01
Nickel	**0.115**	mg/L		5/31/2019 08:01
Potassium	**9.31**	mg/L		5/31/2019 08:01
Selenium	< 0.0200	mg/L		5/31/2019 08:01
Silver	< 0.0100	mg/L		5/31/2019 08:01
Sodium	**122**	mg/L		5/31/2019 08:01
Thallium	< 0.0250	mg/L		5/31/2019 08:01
Vanadium	< 0.0250	mg/L		5/31/2019 08:01
Zinc	**0.0735**	mg/L		5/31/2019 08:01

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-02	**Date Sampled:**	5/29/2019
Matrix:	Water	**Date Received:**	5/29/2019

Method Reference(s): EPA 6010C
EPA 3005A
Preparation Date: 5/30/2019
Data File: 190531A

PCBs

Analyte	Result	Units	Qualifier	Date Analyzed
PCB-1016	< 1.00	ug/L		5/30/2019 14:39
PCB-1221	< 1.00	ug/L		5/30/2019 14:39
PCB-1232	< 1.00	ug/L		5/30/2019 14:39
PCB-1242	< 1.00	ug/L		5/30/2019 14:39
PCB-1248	< 1.00	ug/L		5/30/2019 14:39
PCB-1254	< 1.00	ug/L		5/30/2019 14:39
PCB-1260	< 1.00	ug/L		5/30/2019 14:39
PCB-1262	< 1.00	ug/L		5/30/2019 14:39
PCB-1268	< 1.00	ug/L		5/30/2019 14:39

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Tetrachloro-m-xylene	**35.4**	16.3 - 99.7		5/30/2019 14:39

Method Reference(s): EPA 8082A
EPA 3510C
Preparation Date: 5/30/2019

Chlorinated Pesticides

Analyte	Result	Units	Qualifier	Date Analyzed
4,4-DDD	< 0.200	ug/L		5/30/2019 16:02
4,4-DDE	< 0.200	ug/L		5/30/2019 16:02
4,4-DDT	< 0.200	ug/L		5/30/2019 16:02
Aldrin	< 0.200	ug/L		5/30/2019 16:02
alpha-BHC	< 0.200	ug/L		5/30/2019 16:02
beta-BHC	< 0.200	ug/L		5/30/2019 16:02
cis-Chlordane	< 0.200	ug/L		5/30/2019 16:02
delta-BHC	< 0.200	ug/L		5/30/2019 16:02
Dieldrin	< 0.200	ug/L		5/30/2019 16:02

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-02	**Date Sampled:**	5/29/2019
Matrix:	Water	**Date Received:**	5/29/2019

Endosulfan I	< 0.200	ug/L		5/30/2019 16:02
Endosulfan II	< 0.200	ug/L		5/30/2019 16:02
Endosulfan Sulfate	< 0.200	ug/L		5/30/2019 16:02
Endrin	< 0.200	ug/L		5/30/2019 16:02
Endrin Aldehyde	< 0.300	ug/L		5/30/2019 16:02
Endrin Ketone	< 0.200	ug/L		5/30/2019 16:02
gamma-BHC (Lindane)	< 0.200	ug/L		5/30/2019 16:02
Heptachlor	< 0.200	ug/L		5/30/2019 16:02
Heptachlor Epoxide	< 0.200	ug/L		5/30/2019 16:02
Methoxychlor	< 0.200	ug/L		5/30/2019 16:02
Toxaphene	< 2.00	ug/L		5/30/2019 16:02
trans-Chlordane	< 0.200	ug/L		5/30/2019 16:02

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
Decachlorobiphenyl (1)	**84.7**	28.2 - 161		5/30/2019 16:02
Tetrachloro-m-xylene (1)	**55.8**	26.6 - 129		5/30/2019 16:02

Method Reference(s): EPA 8081B
EPA 3510C

Preparation Date: 5/30/2019

Semi-Volatile Organics (Acid/Base Neutrals)

Analyte	Result	Units	Qualifier	Date Analyzed
1,1-Biphenyl	< 10.0	ug/L		5/30/2019 15:36
1,2,4,5-Tetrachlorobenzene	< 10.0	ug/L		5/30/2019 15:36
1,2,4-Trichlorobenzene	< 10.0	ug/L		5/30/2019 15:36
1,2-Dichlorobenzene	< 10.0	ug/L		5/30/2019 15:36
1,3-Dichlorobenzene	< 10.0	ug/L		5/30/2019 15:36
1,4-Dichlorobenzene	< 10.0	ug/L		5/30/2019 15:36
2,2-Oxybis (1-chloropropane)	< 10.0	ug/L		5/30/2019 15:36
2,3,4,6-Tetrachlorophenol	< 10.0	ug/L		5/30/2019 15:36
2,4,5-Trichlorophenol	< 10.0	ug/L		5/30/2019 15:36
2,4,6-Trichlorophenol	< 20.0	ug/L		5/30/2019 15:36

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-02	**Date Sampled:**	5/29/2019
Matrix:	Water	**Date Received:**	5/29/2019

2,4-Dichlorophenol	< 10.0	ug/L	5/30/2019	15:36
2,4-Dimethylphenol	< 10.0	ug/L	5/30/2019	15:36
2,4-Dinitrophenol	< 20.0	ug/L	5/30/2019	15:36
2,4-Dinitrotoluene	< 10.0	ug/L	5/30/2019	15:36
2,6-Dinitrotoluene	< 10.0	ug/L	5/30/2019	15:36
2-Chloronaphthalene	< 10.0	ug/L	5/30/2019	15:36
2-Chlorophenol	< 10.0	ug/L	5/30/2019	15:36
2-Methylnapthalene	< 10.0	ug/L	5/30/2019	15:36
2-Methylphenol	< 10.0	ug/L	5/30/2019	15:36
2-Nitroaniline	< 20.0	ug/L	5/30/2019	15:36
2-Nitrophenol	< 10.0	ug/L	5/30/2019	15:36
3&4-Methylphenol	< 10.0	ug/L	5/30/2019	15:36
3,3'-Dichlorobenzidine	< 10.0	ug/L	5/30/2019	15:36
3-Nitroaniline	< 20.0	ug/L	5/30/2019	15:36
4,6-Dinitro-2-methylphenol	< 20.0	ug/L	5/30/2019	15:36
4-Bromophenyl phenyl ether	< 10.0	ug/L	5/30/2019	15:36
4-Chloro-3-methylphenol	< 10.0	ug/L	5/30/2019	15:36
4-Chloroaniline	< 10.0	ug/L	5/30/2019	15:36
4-Chlorophenyl phenyl ether	< 10.0	ug/L	5/30/2019	15:36
4-Nitroaniline	< 20.0	ug/L	5/30/2019	15:36
4-Nitrophenol	< 20.0	ug/L	5/30/2019	15:36
Acenaphthene	< 10.0	ug/L	5/30/2019	15:36
Acenaphthylene	< 10.0	ug/L	5/30/2019	15:36
Acetophenone	< 10.0	ug/L	5/30/2019	15:36
Anthracene	< 10.0	ug/L	5/30/2019	15:36
Atrazine	< 10.0	ug/L	5/30/2019	15:36
Benzaldehyde	< 10.0	ug/L	5/30/2019	15:36
Benzo (a) anthracene	< 10.0	ug/L	5/30/2019	15:36
Benzo (a) pyrene	< 10.0	ug/L	5/30/2019	15:36
Benzo (b) fluoranthene	< 10.0	ug/L	5/30/2019	15:36

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-02	**Date Sampled:**	5/29/2019
Matrix:	Water	**Date Received:**	5/29/2019

Benzo (g,h,i) perylene	< 10.0	ug/L	5/30/2019 15:36
Benzo (k) fluoranthene	< 10.0	ug/L	5/30/2019 15:36
Bis (2-chloroethoxy) methane	< 10.0	ug/L	5/30/2019 15:36
Bis (2-chloroethyl) ether	< 10.0	ug/L	5/30/2019 15:36
Bis (2-ethylhexyl) phthalate	< 10.0	ug/L	5/30/2019 15:36
Butylbenzylphthalate	< 10.0	ug/L	5/30/2019 15:36
Caprolactam	< 10.0	ug/L	5/30/2019 15:36
Carbazole	< 10.0	ug/L	5/30/2019 15:36
Chrysene	< 10.0	ug/L	5/30/2019 15:36
Dibenz (a,h) anthracene	< 10.0	ug/L	5/30/2019 15:36
Dibenzofuran	< 10.0	ug/L	5/30/2019 15:36
Diethyl phthalate	< 10.0	ug/L	5/30/2019 15:36
Dimethyl phthalate	< 20.0	ug/L	5/30/2019 15:36
Di-n-butyl phthalate	**85.1**	ug/L	5/30/2019 15:36
Di-n-octylphthalate	< 10.0	ug/L	5/30/2019 15:36
Fluoranthene	< 10.0	ug/L	5/30/2019 15:36
Fluorene	< 10.0	ug/L	5/30/2019 15:36
Hexachlorobenzene	< 10.0	ug/L	5/30/2019 15:36
Hexachlorobutadiene	< 10.0	ug/L	5/30/2019 15:36
Hexachlorocyclopentadiene	< 10.0	ug/L	5/30/2019 15:36
Hexachloroethane	< 10.0	ug/L	5/30/2019 15:36
Indeno (1,2,3-cd) pyrene	< 10.0	ug/L	5/30/2019 15:36
Isophorone	< 10.0	ug/L	5/30/2019 15:36
Naphthalene	< 10.0	ug/L	5/30/2019 15:36
Nitrobenzene	< 10.0	ug/L	5/30/2019 15:36
N-Nitroso-di-n-propylamine	< 10.0	ug/L	5/30/2019 15:36
N-Nitrosodiphenylamine	< 10.0	ug/L	5/30/2019 15:36
Pentachlorophenol	< 20.0	ug/L	5/30/2019 15:36
Phenanthrene	< 10.0	ug/L	5/30/2019 15:36
Phenol	< 10.0	ug/L	5/30/2019 15:36

Sample Identifier: Nash Rd X-North
Lab Sample ID: 192399-02 **Date Sampled:** 5/29/2019
Matrix: Water **Date Received:** 5/29/2019

Pyrene	< 10.0	ug/L		5/30/2019 15:36

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
2,4,6-Tribromophenol	**79.1**	47.9 - 130		5/30/2019 15:36
2-Fluorobiphenyl	**48.2**	30.8 - 101		5/30/2019 15:36
2-Fluorophenol	**40.7**	10 - 113		5/30/2019 15:36
Nitrobenzene-d5	**70.9**	48.6 - 102		5/30/2019 15:36
Phenol-d5	**28.2**	10 - 111		5/30/2019 15:36
Terphenyl-d14	**80.5**	57.2 - 111		5/30/2019 15:36

Method Reference(s): EPA 8270D
EPA 3510C
Preparation Date: 5/30/2019
Data File: B37455.D

Volatile Organics

Analyte	Result	Units	Qualifier	Date Analyzed
1,1,1-Trichloroethane	< 2.00	ug/L		5/30/2019 17:00
1,1,2,2-Tetrachloroethane	< 2.00	ug/L		5/30/2019 17:00
1,1,2-Trichloroethane	< 2.00	ug/L		5/30/2019 17:00
1,1-Dichloroethane	< 2.00	ug/L		5/30/2019 17:00
1,1-Dichloroethene	< 2.00	ug/L		5/30/2019 17:00
1,2,3-Trichlorobenzene	< 5.00	ug/L		5/30/2019 17:00
1,2,4-Trichlorobenzene	< 5.00	ug/L		5/30/2019 17:00
1,2-Dibromo-3-Chloropropane	< 10.0	ug/L		5/30/2019 17:00
1,2-Dibromoethane	< 2.00	ug/L		5/30/2019 17:00
1,2-Dichlorobenzene	< 2.00	ug/L		5/30/2019 17:00
1,2-Dichloroethane	< 2.00	ug/L		5/30/2019 17:00
1,2-Dichloropropane	< 2.00	ug/L		5/30/2019 17:00
1,3-Dichlorobenzene	< 2.00	ug/L		5/30/2019 17:00
1,4-Dichlorobenzene	< 2.00	ug/L		5/30/2019 17:00
1,4-Dioxane	< 20.0	ug/L		5/30/2019 17:00
2-Butanone	< 10.0	ug/L		5/30/2019 17:00
2-Hexanone	< 5.00	ug/L		5/30/2019 17:00

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-02	**Date Sampled:**	5/29/2019
Matrix:	Water	**Date Received:**	5/29/2019

4-Methyl-2-pentanone	< 5.00	ug/L	5/30/2019 17:00
Acetone	< 10.0	ug/L	5/30/2019 17:00
Benzene	< 1.00	ug/L	5/30/2019 17:00
Bromochloromethane	< 5.00	ug/L	5/30/2019 17:00
Bromodichloromethane	< 2.00	ug/L	5/30/2019 17:00
Bromoform	< 5.00	ug/L	5/30/2019 17:00
Bromomethane	< 2.00	ug/L	5/30/2019 17:00
Carbon disulfide	< 2.00	ug/L	5/30/2019 17:00
Carbon Tetrachloride	< 2.00	ug/L	5/30/2019 17:00
Chlorobenzene	< 2.00	ug/L	5/30/2019 17:00
Chloroethane	< 2.00	ug/L	5/30/2019 17:00
Chloroform	< 2.00	ug/L	5/30/2019 17:00
Chloromethane	< 2.00	ug/L	5/30/2019 17:00
cis-1,2-Dichloroethene	< 2.00	ug/L	5/30/2019 17:00
cis-1,3-Dichloropropene	< 2.00	ug/L	5/30/2019 17:00
Cyclohexane	< 10.0	ug/L	5/30/2019 17:00
Dibromochloromethane	< 2.00	ug/L	5/30/2019 17:00
Dichlorodifluoromethane	< 2.00	ug/L	5/30/2019 17:00
Ethylbenzene	< 2.00	ug/L	5/30/2019 17:00
Freon 113	< 2.00	ug/L	5/30/2019 17:00
Isopropylbenzene	< 2.00	ug/L	5/30/2019 17:00
m,p-Xylene	< 2.00	ug/L	5/30/2019 17:00
Methyl acetate	< 2.00	ug/L	5/30/2019 17:00
Methyl tert-butyl Ether	< 2.00	ug/L	5/30/2019 17:00
Methylcyclohexane	< 2.00	ug/L	5/30/2019 17:00
Methylene chloride	< 5.00	ug/L	5/30/2019 17:00
o-Xylene	< 2.00	ug/L	5/30/2019 17:00
Styrene	< 5.00	ug/L	5/30/2019 17:00
Tetrachloroethene	< 2.00	ug/L	5/30/2019 17:00
Toluene	< 2.00	ug/L	5/30/2019 17:00

PARADIGM ENVIRONMENTAL SERVICES, INC.

Lab Project ID: 192399

Client: **National Fuel Gas Supply Corp.**

Project Reference: Nash Rd X-North

Sample Identifier:	Nash Rd X-North		
Lab Sample ID:	192399-02	**Date Sampled:**	5/29/2019
Matrix:	Water	**Date Received:**	5/29/2019

trans-1,2-Dichloroethene	< 2.00	ug/L		5/30/2019 17:00
trans-1,3-Dichloropropene	< 2.00	ug/L		5/30/2019 17:00
Trichloroethene	< 2.00	ug/L		5/30/2019 17:00
Trichlorofluoromethane	< 2.00	ug/L		5/30/2019 17:00
Vinyl chloride	< 2.00	ug/L		5/30/2019 17:00

Surrogate	Percent Recovery	Limits	Outliers	Date Analyzed
1,2-Dichloroethane-d4	**96.8**	71.4 - 133		5/30/2019 17:00
4-Bromofluorobenzene	**92.1**	61.7 - 126		5/30/2019 17:00
Pentafluorobenzene	**96.8**	87.4 - 109		5/30/2019 17:00
Toluene-D8	**96.5**	82.3 - 112		5/30/2019 17:00

Method Reference(s): EPA 8260C
EPA 5030C

Data File: x61408.D

Analytical Report Appendix

The reported results relate only to the samples as they have been received by the laboratory.

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Low level Volatiles blank reports for soil/solid matrix are based on a nominal 5 gram weight. Sample results and reporting limits are based on actual weight, which may be more or less than 5 grams.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified. Aliquots separated for certain tests, such as TCLP, are indicated on the Chain of Custody and final reports with an "A" suffix.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of analyte-specific, frequently used data flags and their meaning:

"<" = Analyzed for but not detected at or above the quantitation limit.
"E" = Result has been estimated, calibration limit exceeded.
"Z" = See case narrative.
"D" = Sample, Laboratory Control Sample, or Matrix Spike Duplicate results above Relative Percent Difference limit.
"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.
"B" = Method blank contained trace levels of analyte. Refer to included method blank report.
"J" = Result estimated between the quantitation limit and half the quantitation limit.
"L" = Laboratory Control Sample recovery outside accepted QC limits.
"P" = Concentration differs by more than 40% between the primary and secondary analytical columns.
"NC" = Not calculable. Applicable to RPD if sample or duplicate result is non-detect or estimated (see primary report for data flags). Applicable to MS if sample is greater or equal to ten times the spike added. Applicable to sample surrogates or MS if sample dilution is 10x or higher.
"" = Indicates any recoveries outside associated acceptance windows. Surrogate outliers in samples are presumed matrix effects. LCS demonstrates method compliance unless otherwise noted.*
"(1)" = Indicates data from primary column used for QC calculation.
"A" = denotes a parameter for which ELAP does not offer approval as part of their laboratory certification program.
"F" = denotes a parameter for which Paradigm does not carry certification, the results for which should therefore only be used where ELAP certification is not required, such as personal exposure assessment.

GENERAL TERMS AND CONDITIONS
LABORATORY SERVICES

These Terms and Conditions embody the whole agreement of the parties in the absence of a signed and executed contract between the Laboratory (LAB) and Client. They shall supersede all previous communications, representations, or agreements, either verbal or written, between the parties. The LAB specifically rejects all additional, inconsistent, or conflicting terms, whether printed or otherwise set forth in any purchase order or other communication from the Client to the LAB. The invalidity or unenforceability in whole or in part of any provision, tern or condition hereof shall not affect in any way the validity or enforceability of the remainder of the Terms and Conditions. No waiver by LAB of any provision, term, or condition hereof or of any breach by or obligation of the Client hereunder shall constitute a waiver of such provision, term, or condition on any other occasion or a waiver of any other breach by or obligation of the Client. This agreement shall be administered and interpreted under the laws of the state which services are procured.

Warranty. Recognizing that the nature of many samples is unknown and that some may contain potentially hazardous components, LAB warrants only that it will perform testing services, obtain findings, and prepare reports in accordance with generally accepted analytical laboratory principles and practices at the time of performance of services. LAB makes no other warranty, express or implied.

Scope and Compensation. LAB agrees to perform the services described in the chain of custody to which these terms and conditions are attached. Unless the parties agree in writing to the contrary, the duties of LAB shall not be construed to exceed the services specifically described. LAB wi use LAB default method for all tests unless specified otherwise on the Work Order.
Payment terms are net 30 days from the date of invoice. All overdue payments are subject to an interest charge of one and one-half percent (1-1/2%) per month or a portion thereof. Client shall also be responsible for costs of collection, including payment of reasonable attorney fees if such expense is incurred. The prices, unless stated, do not include any sale, use or other taxes. Such taxes will be added to invoice prices when required.

Prices. Compensation for services performed will be based on the current Lab Analytical Fee Schedule or on quotations agreed to in writing by the parties. Turnaround time based charges are determined from the time of resolution of all work order questions. Testimony, court appearances or data compilation for legal action will be charged separately. Evaluation and reporting of initial screening runs may incur additional fees.

Limitations of Liability. In the event of any error, omission, or other professional negligence, the sole and exclusive responsibility of LAB shall be to re-perform the deficient work at its own expense and LAB shall have no other liability whatsoever. All claims shall be deemed waived unless made in writing and received by LAB within ninety (90) days following completion of services.
LAB shall have no liability, obligation, or responsibility of any kind for losses, costs, expenses, or other damages (including but not limited to any special, direct, incidental or consequential damages) with respect to LAB's services or results.
All results provided by LAB are strictly for the use of its clients and LAB is in no way responsible for the use of such results by clients or third parties. All reports should be considered in their entirety, and LAB is not responsible for the separation, detachment, or other use of any portion of these reports. Client may not assign the lab report without the written consent of the LAB.
Client covenants and agrees, at its/his/her sole expense, to indemnify, protect, defend, and save harmless the LAB from and against any and all damages, losses, liabilities, obligations, penalties, claims, litigation, demands, defenses, judgments, suits, actions, proceedings, costs, disbursements and/or expenses (including, without limitation attorneys' and experts' fees and disbursements) of any kind whatsoever which may at any time be imposed upon, incurred by or asserted or awarded against client relating to, resulting from or arising out of (a) the breach of this agreement by this client, (b) the negligence of the client in handling, delivering or disclosing any hazardous substance, (c) the violation of the Client of any applicable law, (d) non-compliance by the Client with any environmental permit or (e) a material misrepresentation in disclosing the materials to be tested.

Hazard Disclosure. Client represents and warrants that any sample delivered to LAB will be preceded or accompanied by complete written disclosure of the presence of any hazardous substances known or suspected by Client. Client further warrants that any sample containing any hazardous substance that is to be delivered to LAB will be packaged, labeled, transported, and delivered properly and in accordance with applicable laws.

Sample Handling. Prior to LAB's acceptance of any sample (or after any revocation of acceptance), the entire risk of loss or of damage to such sample remains with Client. Samples are accepted when receipt is acknowledged on chain of custody documentation. In no event will LAB have any responsibility for the action or inaction of any carrier shipping or delivering any sample to or from LAB premises.
Client authorizes LAB to proceed with the analysis of samples as received by the laboratory, recognizing that any samples not in compliance with all current DOH-ELAP-NELAP requirements for containers, preservation or holding time will be noted as such on th final report.
Disposal of hazardous waste samples is the responsibility of the Client. If the Client does not wish such samples returned, LAB may add storage and disposal fees to the final invoice. Maximum storage time for samples is 30 days after completion of analysis unless modified by applicable state or federal laws. Client will be required to give the LAB written instructions concerning disposal of these samples.
LAB reserves the absolute right, exercisable at any time, to refuse to receive delivery of, refuse to accept, or revoke acceptance of any sample, which, in the sole judgment of LAB (a) is of unsuitable volume, (b) may be or become unsuitable for or may pose a risk in handling, transport, or processing for any health, safety, environmental or other reason whether or not due to the presence in the sample of any hazardous substance, and whether or not such presence has been disclosed to LAB by Client or (c) if the condition or sample date make the sample unsuitable for analysis.

Legal Responsibility. LAB is solely responsible for performance of this contract, and no affiliated company, director, officer, employee, or agent shall have any legal responsibility hereunder, whether in contract or tort including negligence.

Assignment. LAB may assign its performance obligations under this contract to other parties, as it deems necessary. LAB shall disclose to Client any assignee (subcontractor) by ELAP ID # on the submitted final report.

Force Majeure. LAB shall have no responsibility or liability to the Client for any failure or delay in performance by LAB, which results in whole or in part from any cause or circumstance beyond the reasonable control of LAB. Such causes and circumstances shall include, but not limited to, acts of God, acts or orders of any government authority, strikes or other labor disputes, natural disasters, accidents, wars, civil disturbances, difficulties or delays in transportation, mail or delivery services, inability to obtain sufficient services or supplies from LAB's usual suppliers, or any other cause beyond LAB's reasonable control.

Law. This contract shall be continued under the laws of the State of New York without regard to its conflicts of laws provision.

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

PARADIGM

CHAIN OF CUSTODY

1 of 2

REPORT TO:		INVOICE TO:		LAB PROJECT ID
CLIENT: N Fuel		CLIENT:		192399
ADDRESS:		ADDRESS:		Quotation #:
CITY:	STATE: ZIP	CITY:	STATE: ZIP:	Email:
PHONE: 716 857 7236		PHONE:		
ATTN: K Hoelscher		ATTN:		

PROJECT REFERENCE

NASH Rd X-NORTH

Matrix Codes:

AQ - Aqueous Liquid, NQ - Non-Aqueous Liquid, WA - Water, WG - Groundwater, DW - Drinking Water, WW - Wastewater, SO - Soil, SL - Sludge, SD - Solid, PT - Paint, WP - Wipe, CK - Caulk, OL - Oil, AR - Air

REQUESTED ANALYSIS

DATE COLLECTED	TIME COLLECTED	COMPOSITE	GRAB	SAMPLE IDENTIFIER	MATRIX CODES	NUMBER OF CONTAINERS	6010C TAL metal	7471B	8270D TCL	8081B Pest	8082A PCB	8260C TCL	TCL Hg	OLM04		REMARKS	PARADIGM LAB SAMPLE NUMBER
5/29/19	1030	X		NASH Rd X-North	Soil	4	/	/	/	/	/	/				Result 5/31/19	01
↓	1100	X		↓	Water	3	/	/	/	/	/	/					02
																Analyte lists per JH / [illegible] 5/29/19 1615	

Turnaround Time		Report Supplements			
Availability contingent upon lab approval; additional fees may apply.					
Standard 5 day	☐	None Required	☐	None Required	☐
10 day	☐	Batch QC	☐	Basic EDD	☐
Rush 3 day	☐	Category A	☐	NYSDEC EDD	☐
Rush 2 day	☐	Category B	☐		
Rush 1 day	☒				
Date Needed: 5/31 Noon (per JH) please indicate date needed:		Other please indicate package needed:	☐	Other EDD please indicate EDD needed:	☐

Sampled By: [signature] Date/Time: 5/29/19

Relinquished By: [signature] Date/Time: 5/29/19

Received By: [signature] Date/Time: 5/29/19

Received @ Lab By: [signature] Date/Time: 5/29/19 16:23

5 °C iced 5/29/19 16:01

Total Cost:

P.I.F.

By signing this form, client agrees to Paradigm Terms and Conditions (reverse).

See additional page for sample conditions.

PARADIGM

Chain of Custody Supplement

Client: National Fuel Gas **Completed by:** Glenn Pezzulo

Lab Project ID: 192399 **Date:** 5/29/19

Sample Condition Requirements

Per NELAC/ELAP 210/241/242/243/244

Condition	NELAC compliance with the sample condition requirements upon receipt: Yes	No	N/A
Container Type	X	X 5035 (Soil) VOA (Water)	
Comments			
Transferred to method-compliant container	X		X
Headspace (<1 mL)		X VOA (Water)	X
Comments	Portion of Water sample transferred to 40ml HCl preserved voa vial and 2-125ml poly bottles with HNO3.		
Preservation		X metals (Water)	X
Comments			
Chlorine Absent (<0.10 ppm per test strip)			X
Comments			
Holding Time	X		
Comments			
Temperature	X		X metals
Comments	5'C iced		
Compliant Sample Quantity/Type	X		
Comments			

19053004|

179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

1 of 1

CHAIN OF CUSTODY NEC

ADIRONDACK: ELAP ID: 1

REPORT TO:		INVOICE TO:	
COMPANY:	Paradigm Environmental	COMPANY:	Same
ADDRESS:		ADDRESS:	
CITY: STATE: ZIP:		CITY: STATE: ZIP:	
PHONE: FAX:		PHONE: FAX:	
ATTN:	Reporting	ATTN:	Accounts Payable
COMMENTS:	Please email results to reporting@paradigmenv.com		

LAB PROJECT #: | CLIENT PROJECT

TURNAROUND TIME: (WORKING DAYS) STD 1 2 3 5

Date Due: 5/31/19 bef

PROJECT NAME/SITE NAME:

REQUESTED ANALYSIS

	DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	NUMBER CONTAINERS	Mercury	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	5/29/19	10:30	X		192399-01	Soil	1	X		001
2	↓	13:00	X		-02	Water	1	X		002
3										
4										
5										
6										
7										
8										
9										
10										

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance	
Container Type:	Y ☐	N ☐
Comments: NOT AES containers JM. 5/30/19		
Preservation:	Y ☐	N ☐
Comments:		
Holding Time:	Y ☐	N ☐
Comments:		
Temperature:	Y ☐	N ☐
Comments: 4°C		

Client

Sampled By: [signature] Date/Time: 5/30/19 08:30

Relinquished By: Date/Time:

Received By: [signature] Date/Time: 5/30/19 3:06 PM

Received @ Lab By: Date/Time:

Total Cost:

P.I.F.

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-154171-1
Client Project/Site: Nash Rd. Wheatfield #932054

For:
New York State D.E.C.
270 Michigan Avenue
Buffalo, New York 14203

Attn: Mr. Glenn May

Joseph V. Giacomazza

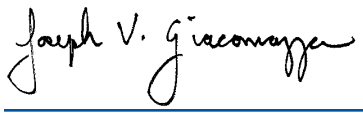
Authorized for release by:
6/13/2019 1:07:11 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

These samples were collected by NYSDEC on 5-29-2019 from a NFG routine utility maintenance project excavation performed in the utility right of way to access their 24" gas line that runs along the south side of the Niagara Sanitation Landfill (NSL). The excavation was located just north of NSL well LDP-01. NFG and NYSDEC collected split soil samples for analysis from a gray clayey soil around the gas pipe. NYSDEC samples NSL-PL-1 through NSL-PL-4 were all collected from the same location and should be considered one sample.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Joe Giacomazza
Project Management Assistant II
6/13/2019 1:07:11 PM

Table of Contents

Definitions/Glossary

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
vs	Reported analyte concentrations are below 200 ug/kg and may be biased low due to the sample not being collected according to 5035A-L low-level specifications.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 480-154171-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative
480-154171-1

Comments
No additional comments.

Receipt
The samples were received on 5/29/2019 12:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The following sample was diluted due to color and appearance: NSL-PL-4 (480-154171-4). Elevated reporting limits (RL) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA
Method(s) 8081B: All primary data for analytical batch 475974 is reported from the RTX-CLPI column.

Method(s) 8082A: All primary data for analytical batch 475777 is reported from the ZB-5 column.

Method(s) 8082A: The percent difference in a multi-component continuing calibration verification is assessed on the basis of the total amount, individual peak calculations are only listed for completeness.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method(s) 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: NSL-PL-3 (480-154171-3) and NSL-PL-4 (480-154171-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-1
Lab Sample ID: 480-154171-1
Date Collected: 05/29/19 10:42
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 76.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND	vs	6.4	0.46	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,1,2,2-Tetrachloroethane	ND	vs	6.4	1.0	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,1,2-Trichloroethane	ND	vs	6.4	0.83	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	vs	6.4	1.5	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,1-Dichloroethane	ND	vs	6.4	0.78	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,1-Dichloroethene	ND	vs	6.4	0.78	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,2,4-Trichlorobenzene	ND	vs	6.4	0.39	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,2-Dibromo-3-Chloropropane	ND	vs	6.4	3.2	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,2-Dibromoethane	ND	vs	6.4	0.82	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,2-Dichlorobenzene	ND	vs	6.4	0.50	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,2-Dichloroethane	ND	vs	6.4	0.32	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,2-Dichloropropane	ND	vs	6.4	3.2	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,3-Dichlorobenzene	ND	vs	6.4	0.33	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
1,4-Dichlorobenzene	ND	vs	6.4	0.89	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
2-Hexanone	ND	vs	32	3.2	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
2-Butanone (MEK)	ND	vs	32	2.3	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
4-Methyl-2-pentanone (MIBK)	ND	vs	32	2.1	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Acetone	**22**	**J vs**	32	5.4	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Benzene	ND	vs	6.4	0.31	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Bromodichloromethane	ND	vs	6.4	0.85	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Bromoform	ND	vs	6.4	3.2	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Bromomethane	ND	vs	6.4	0.57	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Carbon disulfide	ND	vs	6.4	3.2	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Carbon tetrachloride	ND	vs	6.4	0.62	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Chlorobenzene	ND	vs	6.4	0.84	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Dibromochloromethane	ND	vs	6.4	0.81	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Chloroethane	ND	vs	6.4	1.4	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Chloroform	ND	vs	6.4	0.39	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Chloromethane	ND	vs	6.4	0.38	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
cis-1,2-Dichloroethene	ND	vs	6.4	0.81	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
cis-1,3-Dichloropropene	ND	vs	6.4	0.92	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Cyclohexane	ND	vs	6.4	0.89	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Dichlorodifluoromethane	ND	vs	6.4	0.53	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Ethylbenzene	ND	vs	6.4	0.44	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Isopropylbenzene	ND	vs	6.4	0.96	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Methyl acetate	ND	vs	32	3.8	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Methyl tert-butyl ether	ND	vs	6.4	0.63	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Methylcyclohexane	ND	vs	6.4	0.97	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Methylene Chloride	**3.2**	**J vs**	6.4	2.9	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Styrene	ND	vs	6.4	0.32	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Tetrachloroethene	ND	vs	6.4	0.85	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Toluene	ND	vs	6.4	0.48	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
trans-1,2-Dichloroethene	ND	vs	6.4	0.66	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
trans-1,3-Dichloropropene	ND	vs	6.4	2.8	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Trichloroethene	ND	vs	6.4	1.4	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Trichlorofluoromethane	ND	vs	6.4	0.60	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Vinyl chloride	ND	vs	6.4	0.78	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1
Xylenes, Total	ND	vs	13	1.1	ug/Kg	☼	06/03/19 10:08	06/03/19 13:48	1

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-1
Lab Sample ID: 480-154171-1
Date Collected: 05/29/19 10:42
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 76.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	06/03/19 10:08	06/03/19 13:48	1
Toluene-d8 (Surr)	105		71 - 125	06/03/19 10:08	06/03/19 13:48	1
4-Bromofluorobenzene (Surr)	98		72 - 126	06/03/19 10:08	06/03/19 13:48	1

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-2
Lab Sample ID: 480-154171-2
Date Collected: 05/29/19 10:44
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 72.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	21300		14.1	6.2	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Antimony	1.8	J	21.1	0.56	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Arsenic	4.7		2.8	0.56	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Barium	116		0.70	0.15	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Beryllium	0.99		0.28	0.039	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Cadmium	ND		0.28	0.042	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Calcium	48300	B	70.3	4.6	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Chromium	28.0		0.70	0.28	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Cobalt	13.3		0.70	0.070	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Copper	23.3		1.4	0.30	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Iron	26500	B	14.1	4.9	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Lead	14.6		1.4	0.34	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Magnesium	14700		28.1	1.3	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Manganese	515	B	0.28	0.045	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Nickel	31.8		7.0	0.32	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Potassium	5880		42.2	28.1	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Selenium	ND		5.6	0.56	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Silver	ND		0.84	0.28	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Sodium	288		197	18.3	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Thallium	ND		8.4	0.42	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Vanadium	42.3		0.70	0.15	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1
Zinc	68.2		2.8	0.90	mg/Kg	☼	06/03/19 11:44	06/06/19 22:29	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.027	0.011	mg/Kg	☼	06/03/19 10:46	06/03/19 11:52	1

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-3
Lab Sample ID: 480-154171-3
Date Collected: 05/29/19 10:46
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 72.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		230	33	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
bis (2-chloroisopropyl) ether	ND		230	45	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2,4,5-Trichlorophenol	ND		230	61	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2,4,6-Trichlorophenol	ND		230	45	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2,4-Dichlorophenol	ND		230	24	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2,4-Dimethylphenol	ND		230	55	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2,4-Dinitrophenol	ND		2200	1000	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2,4-Dinitrotoluene	ND		230	47	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2,6-Dinitrotoluene	ND		230	27	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2-Chloronaphthalene	ND		230	37	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2-Chlorophenol	ND		230	41	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2-Methylnaphthalene	ND		230	45	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2-Methylphenol	ND		230	27	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2-Nitroaniline	ND		440	33	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
2-Nitrophenol	ND		230	64	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
3,3'-Dichlorobenzidine	ND		440	270	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
3-Nitroaniline	ND		440	63	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
4,6-Dinitro-2-methylphenol	ND		440	230	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
4-Bromophenyl phenyl ether	ND		230	32	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
4-Chloro-3-methylphenol	ND		230	56	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
4-Chloroaniline	ND		230	56	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
4-Chlorophenyl phenyl ether	ND		230	28	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
4-Methylphenol	ND		440	27	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
4-Nitroaniline	ND		440	120	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
4-Nitrophenol	ND		440	160	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Acenaphthene	**170**	**J**	230	33	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Acenaphthylene	**51**	**J**	230	29	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Acetophenone	ND		230	31	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Anthracene	**360**		230	56	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Atrazine	ND		230	79	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Benzaldehyde	ND		230	180	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Benzo(a)anthracene	**920**		230	23	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Benzo(a)pyrene	**760**		230	33	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Benzo(b)fluoranthene	**1100**		230	36	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Benzo(g,h,i)perylene	**440**		230	24	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Benzo(k)fluoranthene	**450**		230	29	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Bis(2-chloroethoxy)methane	ND		230	48	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Bis(2-chloroethyl)ether	ND		230	29	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Bis(2-ethylhexyl) phthalate	**110**	**J**	230	77	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Butyl benzyl phthalate	ND		230	37	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Caprolactam	ND		230	68	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Carbazole	**78**	**J**	230	27	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Chrysene	**880**		230	51	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Di-n-butyl phthalate	ND		230	39	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Di-n-octyl phthalate	**120**	**J**	230	27	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Dibenz(a,h)anthracene	ND		230	40	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Dibenzofuran	**92**	**J**	230	27	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Diethyl phthalate	ND		230	29	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Dimethyl phthalate	ND		230	27	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-3
Lab Sample ID: 480-154171-3
Date Collected: 05/29/19 10:46
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 72.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**1900**		230	24	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Fluorene	**160**	**J**	230	27	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Hexachlorobenzene	ND		230	31	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Hexachlorobutadiene	ND		230	33	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Hexachlorocyclopentadiene	ND		230	31	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Hexachloroethane	ND		230	29	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Indeno(1,2,3-cd)pyrene	**450**		230	28	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Isophorone	ND		230	48	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
N-Nitrosodi-n-propylamine	ND		230	39	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
N-Nitrosodiphenylamine	ND		230	180	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Naphthalene	ND		230	29	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Nitrobenzene	ND		230	25	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Pentachlorophenol	ND		440	230	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Phenanthrene	**870**		230	33	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Phenol	ND		230	35	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1
Pyrene	**1500**		230	27	ug/Kg	☼	05/30/19 15:07	06/03/19 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*54 - 120*	*05/30/19 15:07*	*06/03/19 18:42*	*1*
2-Fluorobiphenyl	*98*		*60 - 120*	*05/30/19 15:07*	*06/03/19 18:42*	*1*
2-Fluorophenol	*79*		*52 - 120*	*05/30/19 15:07*	*06/03/19 18:42*	*1*
Nitrobenzene-d5	*86*		*53 - 120*	*05/30/19 15:07*	*06/03/19 18:42*	*1*
p-Terphenyl-d14	*100*		*65 - 121*	*05/30/19 15:07*	*06/03/19 18:42*	*1*
Phenol-d5	*80*		*54 - 120*	*05/30/19 15:07*	*06/03/19 18:42*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.3	0.44	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
4,4'-DDE	ND		2.3	0.48	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
4,4'-DDT	**6.2**		2.3	0.53	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Aldrin	ND		2.3	0.56	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
alpha-BHC	ND		2.3	0.41	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
cis-Chlordane	ND		2.3	1.1	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
beta-BHC	ND		2.3	0.41	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
delta-BHC	ND		2.3	0.42	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Dieldrin	ND		2.3	0.54	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Endosulfan I	ND		2.3	0.43	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Endosulfan II	ND		2.3	0.41	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Endosulfan sulfate	ND		2.3	0.42	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Endrin	ND		2.3	0.45	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Endrin aldehyde	**1.3**	**J**	2.3	0.58	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Endrin ketone	ND		2.3	0.56	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
gamma-BHC (Lindane)	ND		2.3	0.42	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
trans-Chlordane	**1.7**	**J**	2.3	0.72	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Heptachlor	ND		2.3	0.49	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Heptachlor epoxide	ND		2.3	0.58	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Methoxychlor	ND		2.3	0.46	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1
Toxaphene	ND		23	13	ug/Kg	☼	06/03/19 15:28	06/04/19 13:05	1

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-3
Lab Sample ID: 480-154171-3
Date Collected: 05/29/19 10:46
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 72.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*45 - 120*	*06/03/19 15:28*	*06/04/19 13:05*	*1*
DCB Decachlorobiphenyl	*210*	*X*	*45 - 120*	*06/03/19 15:28*	*06/04/19 13:05*	*1*
Tetrachloro-m-xylene	*73*		*30 - 124*	*06/03/19 15:28*	*06/04/19 13:05*	*1*
Tetrachloro-m-xylene	*57*		*30 - 124*	*06/03/19 15:28*	*06/04/19 13:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.32	0.063	mg/Kg	☼	05/30/19 15:17	06/03/19 01:42	1
PCB-1221	ND		0.32	0.063	mg/Kg	☼	05/30/19 15:17	06/03/19 01:42	1
PCB-1232	ND		0.32	0.063	mg/Kg	☼	05/30/19 15:17	06/03/19 01:42	1
PCB-1242	ND		0.32	0.063	mg/Kg	☼	05/30/19 15:17	06/03/19 01:42	1
PCB-1248	ND		0.32	0.063	mg/Kg	☼	05/30/19 15:17	06/03/19 01:42	1
PCB-1254	ND		0.32	0.15	mg/Kg	☼	05/30/19 15:17	06/03/19 01:42	1
PCB-1260	ND		0.32	0.15	mg/Kg	☼	05/30/19 15:17	06/03/19 01:42	1
PCB-1262	ND		0.32	0.15	mg/Kg	☼	05/30/19 15:17	06/03/19 01:42	1
PCB-1268	ND		0.32	0.15	mg/Kg	☼	05/30/19 15:17	06/03/19 01:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*117*		*60 - 154*	*05/30/19 15:17*	*06/03/19 01:42*	*1*
Tetrachloro-m-xylene	*95*		*60 - 154*	*05/30/19 15:17*	*06/03/19 01:42*	*1*
DCB Decachlorobiphenyl	*115*		*65 - 174*	*05/30/19 15:17*	*06/03/19 01:42*	*1*
DCB Decachlorobiphenyl	*96*		*65 - 174*	*05/30/19 15:17*	*06/03/19 01:42*	*1*

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-4
Lab Sample ID: 480-154171-4
Date Collected: 05/29/19 10:49
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 76.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		1100	160	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
bis (2-chloroisopropyl) ether	ND		1100	220	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2,4,5-Trichlorophenol	ND		1100	300	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2,4,6-Trichlorophenol	ND		1100	220	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2,4-Dichlorophenol	ND		1100	120	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2,4-Dimethylphenol	ND		1100	270	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2,4-Dinitrophenol	ND		11000	5100	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2,4-Dinitrotoluene	ND		1100	230	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2,6-Dinitrotoluene	ND		1100	130	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2-Chloronaphthalene	ND		1100	180	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2-Chlorophenol	ND		1100	200	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2-Methylnaphthalene	ND		1100	220	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2-Methylphenol	ND		1100	130	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2-Nitroaniline	ND		2100	160	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
2-Nitrophenol	ND		1100	310	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
3,3'-Dichlorobenzidine	ND		2100	1300	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
3-Nitroaniline	ND		2100	300	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
4,6-Dinitro-2-methylphenol	ND		2100	1100	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
4-Bromophenyl phenyl ether	ND		1100	160	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
4-Chloro-3-methylphenol	ND		1100	270	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
4-Chloroaniline	ND		1100	270	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
4-Chlorophenyl phenyl ether	ND		1100	140	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
4-Methylphenol	ND		2100	130	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
4-Nitroaniline	ND		2100	580	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
4-Nitrophenol	ND		2100	770	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Acenaphthene	ND		1100	160	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Acenaphthylene	ND		1100	140	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Acetophenone	ND		1100	150	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Anthracene	**330**	**J**	1100	270	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Atrazine	ND		1100	380	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Benzaldehyde	ND		1100	880	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Benzo(a)anthracene	**1400**		1100	110	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Benzo(a)pyrene	**1200**		1100	160	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Benzo(b)fluoranthene	**1500**		1100	180	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Benzo(g,h,i)perylene	**640**	**J**	1100	120	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Benzo(k)fluoranthene	**880**	**J**	1100	140	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Bis(2-chloroethoxy)methane	ND		1100	230	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Bis(2-chloroethyl)ether	ND		1100	140	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Bis(2-ethylhexyl) phthalate	ND		1100	380	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Butyl benzyl phthalate	ND		1100	180	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Caprolactam	ND		1100	330	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Carbazole	ND		1100	130	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Chrysene	**1300**		1100	250	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Di-n-butyl phthalate	ND		1100	190	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Di-n-octyl phthalate	**260**	**J**	1100	130	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Dibenz(a,h)anthracene	ND		1100	190	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Dibenzofuran	ND		1100	130	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Diethyl phthalate	ND		1100	140	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Dimethyl phthalate	ND		1100	130	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-4
Lab Sample ID: 480-154171-4
Date Collected: 05/29/19 10:49
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 76.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	**2600**		1100	120	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Fluorene	ND		1100	130	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Hexachlorobenzene	ND		1100	150	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Hexachlorobutadiene	ND		1100	160	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Hexachlorocyclopentadiene	ND		1100	150	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Hexachloroethane	ND		1100	140	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Indeno(1,2,3-cd)pyrene	**670**	**J**	1100	140	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Isophorone	ND		1100	230	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
N-Nitrosodi-n-propylamine	ND		1100	190	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
N-Nitrosodiphenylamine	ND		1100	890	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Naphthalene	ND		1100	140	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Nitrobenzene	ND		1100	120	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Pentachlorophenol	ND		2100	1100	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Phenanthrene	**780**	**J**	1100	160	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Phenol	ND		1100	170	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5
Pyrene	**1800**		1100	130	ug/Kg	☼	05/30/19 15:07	06/03/19 19:08	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*54 - 120*	*05/30/19 15:07*	*06/03/19 19:08*	*5*
2-Fluorobiphenyl	*93*		*60 - 120*	*05/30/19 15:07*	*06/03/19 19:08*	*5*
2-Fluorophenol	*76*		*52 - 120*	*05/30/19 15:07*	*06/03/19 19:08*	*5*
Nitrobenzene-d5	*89*		*53 - 120*	*05/30/19 15:07*	*06/03/19 19:08*	*5*
p-Terphenyl-d14	*102*		*65 - 121*	*05/30/19 15:07*	*06/03/19 19:08*	*5*
Phenol-d5	*82*		*54 - 120*	*05/30/19 15:07*	*06/03/19 19:08*	*5*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		2.2	0.42	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
4,4'-DDE	**1.6**	**J**	2.2	0.45	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
4,4'-DDT	**8.1**		2.2	0.51	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Aldrin	ND		2.2	0.53	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
alpha-BHC	ND		2.2	0.39	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
cis-Chlordane	ND		2.2	1.1	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
beta-BHC	ND		2.2	0.39	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
delta-BHC	**0.49**	**J B**	2.2	0.40	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Dieldrin	ND		2.2	0.52	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Endosulfan I	ND		2.2	0.42	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Endosulfan II	ND		2.2	0.39	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Endosulfan sulfate	ND		2.2	0.40	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Endrin	ND		2.2	0.43	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Endrin aldehyde	ND		2.2	0.55	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Endrin ketone	ND		2.2	0.53	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
gamma-BHC (Lindane)	ND		2.2	0.40	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
trans-Chlordane	**2.2**		2.2	0.69	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Heptachlor	ND		2.2	0.47	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Heptachlor epoxide	ND		2.2	0.56	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Methoxychlor	ND		2.2	0.44	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1
Toxaphene	ND		22	13	ug/Kg	☼	06/03/19 15:28	06/04/19 13:25	1

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-4
Lab Sample ID: 480-154171-4
Date Collected: 05/29/19 10:49
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 76.2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*83*		*45 - 120*	*06/03/19 15:28*	*06/04/19 13:25*	*1*
DCB Decachlorobiphenyl	*153*	*X*	*45 - 120*	*06/03/19 15:28*	*06/04/19 13:25*	*1*
Tetrachloro-m-xylene	*77*		*30 - 124*	*06/03/19 15:28*	*06/04/19 13:25*	*1*
Tetrachloro-m-xylene	*55*		*30 - 124*	*06/03/19 15:28*	*06/04/19 13:25*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.27	0.053	mg/Kg	☼	05/30/19 15:17	06/03/19 01:55	1
PCB-1221	ND		0.27	0.053	mg/Kg	☼	05/30/19 15:17	06/03/19 01:55	1
PCB-1232	ND		0.27	0.053	mg/Kg	☼	05/30/19 15:17	06/03/19 01:55	1
PCB-1242	ND		0.27	0.053	mg/Kg	☼	05/30/19 15:17	06/03/19 01:55	1
PCB-1248	ND		0.27	0.053	mg/Kg	☼	05/30/19 15:17	06/03/19 01:55	1
PCB-1254	**0.13**	**J**	0.27	0.13	mg/Kg	☼	05/30/19 15:17	06/03/19 01:55	1
PCB-1260	ND		0.27	0.13	mg/Kg	☼	05/30/19 15:17	06/03/19 01:55	1
PCB-1262	ND		0.27	0.13	mg/Kg	☼	05/30/19 15:17	06/03/19 01:55	1
PCB-1268	ND		0.27	0.13	mg/Kg	☼	05/30/19 15:17	06/03/19 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*108*		*60 - 154*	*05/30/19 15:17*	*06/03/19 01:55*	*1*
Tetrachloro-m-xylene	*86*		*60 - 154*	*05/30/19 15:17*	*06/03/19 01:55*	*1*
DCB Decachlorobiphenyl	*109*		*65 - 174*	*05/30/19 15:17*	*06/03/19 01:55*	*1*
DCB Decachlorobiphenyl	*88*		*65 - 174*	*05/30/19 15:17*	*06/03/19 01:55*	*1*

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-1
Lab Sample ID: 480-154171-1
Date Collected: 05/29/19 10:42
Matrix: Solid
Date Received: 05/29/19 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	475628	05/31/19 14:05	CMK	TAL BUF

Client Sample ID: NSL-PL-1
Lab Sample ID: 480-154171-1
Date Collected: 05/29/19 10:42
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			475863	06/03/19 10:08	CDC	TAL BUF
Total/NA	Analysis	8260C		1	475815	06/03/19 13:48	CDC	TAL BUF

Client Sample ID: NSL-PL-2
Lab Sample ID: 480-154171-2
Date Collected: 05/29/19 10:44
Matrix: Solid
Date Received: 05/29/19 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	475628	05/31/19 14:05	CMK	TAL BUF

Client Sample ID: NSL-PL-2
Lab Sample ID: 480-154171-2
Date Collected: 05/29/19 10:44
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 72.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			475354	06/03/19 11:44	JMP	TAL BUF
Total/NA	Analysis	6010C		1	476738	06/06/19 22:29	LMH	TAL BUF
Total/NA	Prep	7471B			475417	06/03/19 10:46	BMB	TAL BUF
Total/NA	Analysis	7471B		1	475880	06/03/19 11:52	BMB	TAL BUF

Client Sample ID: NSL-PL-3
Lab Sample ID: 480-154171-3
Date Collected: 05/29/19 10:46
Matrix: Solid
Date Received: 05/29/19 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	475628	05/31/19 14:05	CMK	TAL BUF

Client Sample ID: NSL-PL-3
Lab Sample ID: 480-154171-3
Date Collected: 05/29/19 10:46
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			475405	05/30/19 15:07	SGD	TAL BUF
Total/NA	Analysis	8270D		1	475886	06/03/19 18:42	PJQ	TAL BUF
Total/NA	Prep	3550C			475914	06/03/19 15:28	SGD	TAL BUF
Total/NA	Analysis	8081B		1	475974	06/04/19 13:05	JLS	TAL BUF
Total/NA	Prep	3550C			475408	05/30/19 15:17	SGD	TAL BUF
Total/NA	Analysis	8082A		1	475777	06/03/19 01:42	W1T	TAL BUF

Lab Chronicle

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Client Sample ID: NSL-PL-4
Lab Sample ID: 480-154171-4
Date Collected: 05/29/19 10:49
Matrix: Solid
Date Received: 05/29/19 12:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	475628	05/31/19 14:05	CMK	TAL BUF

Client Sample ID: NSL-PL-4
Lab Sample ID: 480-154171-4
Date Collected: 05/29/19 10:49
Matrix: Solid
Date Received: 05/29/19 12:00
Percent Solids: 76.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			475405	05/30/19 15:07	SGD	TAL BUF
Total/NA	Analysis	8270D		5	475886	06/03/19 19:08	PJQ	TAL BUF
Total/NA	Prep	3550C			475914	06/03/19 15:28	SGD	TAL BUF
Total/NA	Analysis	8081B		1	475974	06/04/19 13:25	JLS	TAL BUF
Total/NA	Prep	3550C			475408	05/30/19 15:17	SGD	TAL BUF
Total/NA	Analysis	8082A		1	475777	06/03/19 01:55	W1T	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: New York State D.E.C.
Project/Site: Nash Rd. Wheatfield #932054

Job ID: 480-154171-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: New York State D.E.C.
Job ID: 480-154171-1
Project/Site: Nash Rd. Wheatfield #932054

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-154171-1	NSL-PL-1	Solid	05/29/19 10:42	05/29/19 12:00	
480-154171-2	NSL-PL-2	Solid	05/29/19 10:44	05/29/19 12:00	
480-154171-3	NSL-PL-3	Solid	05/29/19 10:46	05/29/19 12:00	
480-154171-4	NSL-PL-4	Solid	05/29/19 10:49	05/29/19 12:00	

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Andrew Zwack, Josh Vaccaro	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-130872-29528.1
Client Contact: Mr. Glenn May	Phone: 851-7220	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: New York State D.E.C.				Job #:
Address: 270 Michigan Avenue	Due Date Requested:			
City: Buffalo	TAT Requested (days): 10 day			
State, Zip: NY, 14203				
Phone:	PO #: CallOut ID:			
Email: glenn.may@dec.ny.gov	WO #:			
Project Name: Nash Rd. Wheatfield #932054	Project #: 48019690			
Site: Niagara Sanitation Landfill	SSOW#:			

Analysis Requested

Preservation Codes: A - HCL, M - Hexane, L - EDA, Z - other (specify), Other:

480-154171 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010C, 7471B	8081B, 8082A, 8270D	8260C - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	N	N		
NSL-PL-1	5/29/19	10:42	C	Solid					X		
NSL-PL-2	5/29/19	10:44	C	"			X				
NSL-PL-3	5/29/19	10:46	C	"				X			
NSL-PL-4	5/29/19	10:49	C	"				X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Josh Vaccaro	5/29/19 12:00	NYSDEC		5/29/19 1700	TAN.
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: #1 3.1°C

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 480-154171-1

Login Number: 154171

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	NYSDEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	