

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85203517
 Test ID: 17
 Test Abbreviation:
 Start Date: 2/24/2012
 Start Time: 7:34:50
 Duration (dd:hh:mm:ss) 00:07:30:00
 Time constant (seconds) 10
 Log Interval (mm:ss): 15:00
 Number of points: 30
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.024
	Minimum:	0.015
	Time of Minimum:	15:04:50
	Date of Minimum:	2/24/2012
	Maximum:	0.028
	Time of Maximum:	11:04:50
	Date of Maximum:	2/24/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
2/24/2012	7:49:50	0.02
2/24/2012	8:04:50	0.019
2/24/2012	8:19:50	0.021
2/24/2012	8:34:50	0.023
2/24/2012	8:49:50	0.025
2/24/2012	9:04:50	0.026
2/24/2012	9:19:50	0.026
2/24/2012	9:34:50	0.026
2/24/2012	9:49:50	0.026
2/24/2012	10:04:50	0.025
2/24/2012	10:19:50	0.026
2/24/2012	10:34:50	0.026
2/24/2012	10:49:50	0.027
2/24/2012	11:04:50	0.028
2/24/2012	11:19:50	0.028
2/24/2012	11:34:50	0.028
2/24/2012	11:49:50	0.028
2/24/2012	12:04:50	0.027

2/24/2012	12:19:50	0.027
2/24/2012	12:34:50	0.026
2/24/2012	12:49:50	0.026
2/24/2012	13:04:50	0.025
2/24/2012	13:19:50	0.025
2/24/2012	13:34:50	0.024
2/24/2012	13:49:50	0.024
2/24/2012	14:04:50	0.024
2/24/2012	14:19:50	0.019
2/24/2012	14:34:50	0.02
2/24/2012	14:49:50	0.022
2/24/2012	15:04:50	0.015

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013544
User ID: 00000001 Site ID: 00000655
Data Points: 30 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 2/24/2012 07:29

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Measurement Type:	Min(ppm)	Avg(ppm)
High Alarm Levels:	5	5
Low Alarm Levels:	2.5	2.5

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Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

=====

1	2/24/2012 7:54			0		0
2	2/24/2012 8:09			0		0
3	2/24/2012 8:24			0		0
4	2/24/2012 8:39			0		0
5	2/24/2012 8:54			0		0
6	2/24/2012 9:09			0		0
7	2/24/2012 9:24			0		0
8	2/24/2012 9:39			0		0
9	2/24/2012 9:54			0		0
10	2/24/2012 10:09			0		0
11	2/24/2012 10:24			0		0
12	2/24/2012 10:39			0		0
13	2/24/2012 10:54			0		0
14	2/24/2012 11:09			0		0
15	2/24/2012 11:24			0		0.1
16	2/24/2012 11:39			0		0
17	2/24/2012 11:54			0		0
18	2/24/2012 12:09			0		0
19	2/24/2012 12:24			0		0
20	2/24/2012 12:39			0		0
21	2/24/2012 12:54			0		0
22	2/24/2012 13:09			0		0
23	2/24/2012 13:24			0		0
24	2/24/2012 13:39			0		0
25	2/24/2012 13:54			0		0
26	2/24/2012 14:09			0		0
27	2/24/2012 14:24			0		0
28	2/24/2012 14:39			0		0
29	2/24/2012 14:54			0		0
30	2/24/2012 15:09			0		0

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Max(ppm)

5

2.5

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Alarm

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TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 13
 Test Abbreviation:
 Start Date: 2/27/2012
 Start Time: 7:35:57
 Duration (dd:hh:mm:ss) 00:09:45:00
 Time constant (seconds) 10
 Log Interval (mm:ss): 15:00
 Number of points: 39
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.029
	Minimum:	0.021
	Time of Minimum:	12:35:57
	Date of Minimum:	2/27/2012
	Maximum:	0.041
	Time of Maximum:	8:20:57
	Date of Maximum:	2/27/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
2/27/2012	7:50:57	0.035
2/27/2012	8:05:57	0.03
2/27/2012	8:20:57	0.041
2/27/2012	8:35:57	0.033
2/27/2012	8:50:57	0.034
2/27/2012	9:05:57	0.035
2/27/2012	9:20:57	0.034
2/27/2012	9:35:57	0.037
2/27/2012	9:50:57	0.034
2/27/2012	10:05:57	0.034
2/27/2012	10:20:57	0.032
2/27/2012	10:35:57	0.026
2/27/2012	10:50:57	0.023
2/27/2012	11:05:57	0.027
2/27/2012	11:20:57	0.025
2/27/2012	11:35:57	0.022
2/27/2012	11:50:57	0.028
2/27/2012	12:05:57	0.033

2/27/2012	12:20:57	0.025
2/27/2012	12:35:57	0.021
2/27/2012	12:50:57	0.024
2/27/2012	13:05:57	0.034
2/27/2012	13:20:57	0.024
2/27/2012	13:35:57	0.03
2/27/2012	13:50:57	0.025
2/27/2012	14:05:57	0.022
2/27/2012	14:20:57	0.031
2/27/2012	14:35:57	0.024
2/27/2012	14:50:57	0.024
2/27/2012	15:05:57	0.024
2/27/2012	15:20:57	0.029
2/27/2012	15:35:57	0.027
2/27/2012	15:50:57	0.032
2/27/2012	16:05:57	0.028
2/27/2012	16:20:57	0.027
2/27/2012	16:35:57	0.028
2/27/2012	16:50:57	0.03
2/27/2012	17:05:57	0.029
2/27/2012	17:20:57	0.029

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000663

Data Points: 38 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 02/27/2012 07:13

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	2/27/2012 7:48	0		0		0
2	2/27/2012 8:03	0		0		0
3	2/27/2012 8:18	0		0		0
4	2/27/2012 8:33	0		0		0
5	2/27/2012 8:48	0		0		0
6	2/27/2012 9:03	0		0		0
7	2/27/2012 9:18	0		0		0
8	2/27/2012 9:33	0		0		0
9	2/27/2012 9:48	0		0		0
10	2/27/2012 10:03	0		0		0
11	2/27/2012 10:18	0		0		0
12	2/27/2012 10:33	0		0		0
13	2/27/2012 10:48	0		0		0
14	2/27/2012 11:03	0		0		0
15	2/27/2012 11:18	0		0		0
16	2/27/2012 11:33	0		0		0
17	2/27/2012 11:48	0		0		0
18	2/27/2012 12:03	0		0		0
19	2/27/2012 12:18	0		0		0
20	2/27/2012 12:33	0		0		0
21	2/27/2012 12:48	0		0		0
22	2/27/2012 13:03	0		0		0
23	2/27/2012 13:18	0		0		0
24	2/27/2012 13:33	0		0		0
25	2/27/2012 13:48	0		0		0
26	2/27/2012 14:03	0		0		0
27	2/27/2012 14:18	0		0		0
28	2/27/2012 14:33	0		0		0
29	2/27/2012 14:48	0		0		0
30	2/27/2012 15:03	0		0		0
31	2/27/2012 15:18	0		0		0
32	2/27/2012 15:33	0		0		0
33	2/27/2012 15:48	0		0		0
34	2/27/2012 16:03	0		0		0
35	2/27/2012 16:18	0		0		0

36	2/27/2012 16:33	0	0	0
37	2/27/2012 16:48	0	0	0
38	2/27/2012 17:03	0	0	0

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Max(ppm)

10

5

=====

Alarm

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TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 14
 Test Abbreviation:
 Start Date: 2/28/2012
 Start Time: 8:30:33
 Duration (dd:hh:mm:ss) 00:09:00:00
 Time constant (seconds) 10
 Log Interval (mm:ss): 15:00
 Number of points: 36
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.021
	Minimum:		0.018
	Time of Minimum:		9:15:33
	Date of Minimum:		2/28/2012
	Maximum:		0.025
	Time of Maximum:		10:45:33
	Date of Maximum:		2/28/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
2/28/2012	8:45:33	0.02	
2/28/2012	9:00:33	0.02	
2/28/2012	9:15:33	0.018	
2/28/2012	9:30:33	0.018	
2/28/2012	9:45:33	0.02	
2/28/2012	10:00:33	0.022	
2/28/2012	10:15:33	0.023	
2/28/2012	10:30:33	0.021	
2/28/2012	10:45:33	0.025	
2/28/2012	11:00:33	0.022	
2/28/2012	11:15:33	0.023	
2/28/2012	11:30:33	0.022	
2/28/2012	11:45:33	0.025	
2/28/2012	12:00:33	0.02	
2/28/2012	12:15:33	0.022	
2/28/2012	12:30:33	0.023	
2/28/2012	12:45:33	0.021	
2/28/2012	13:00:33	0.025	

2/28/2012	13:15:33	0.023
2/28/2012	13:30:33	0.022
2/28/2012	13:45:33	0.022
2/28/2012	14:00:33	0.021
2/28/2012	14:15:33	0.022
2/28/2012	14:30:33	0.02
2/28/2012	14:45:33	0.019
2/28/2012	15:00:33	0.019
2/28/2012	15:15:33	0.018
2/28/2012	15:30:33	0.02
2/28/2012	15:45:33	0.021
2/28/2012	16:00:33	0.021
2/28/2012	16:15:33	0.02
2/28/2012	16:30:33	0.019
2/28/2012	16:45:33	0.024
2/28/2012	17:00:33	0.021
2/28/2012	17:15:33	0.024
2/28/2012	17:30:33	0.019

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000666

Data Points: 37 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 02/28/2012 07:28

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	2/28/2012 8:16	0		0		0
2	2/28/2012 8:31	0		0		0
3	2/28/2012 8:46	0		0		0
4	2/28/2012 9:01	0		0		0
5	2/28/2012 9:16	0		0		0
6	2/28/2012 9:31	0		0		0
7	2/28/2012 9:46	0		0		0
8	2/28/2012 10:01	0		0		0
9	2/28/2012 10:16	0		0		0
10	2/28/2012 10:31	0		0		0
11	2/28/2012 10:46	0		0		0
12	2/28/2012 11:01	0		0		0
13	2/28/2012 11:16	0		0		0
14	2/28/2012 11:31	0		0		0
15	2/28/2012 11:46	0		0		0
16	2/28/2012 12:01	0		0		0
17	2/28/2012 12:16	0		0		0
18	2/28/2012 12:31	0		0		0
19	2/28/2012 12:46	0		0		0
20	2/28/2012 13:01	0		0		0
21	2/28/2012 13:16	0		0		0
22	2/28/2012 13:31	0		0		0
23	2/28/2012 13:46	0		0		0
24	2/28/2012 14:01	0		0		0
25	2/28/2012 14:16	0		0		0
26	2/28/2012 14:31	0		0		0
27	2/28/2012 14:46	0		0		0
28	2/28/2012 15:01	0		0		0
29	2/28/2012 15:16	0		0		0
30	2/28/2012 15:31	0		0		0
31	2/28/2012 15:46	0		0		0
32	2/28/2012 16:01	0		0		0
33	2/28/2012 16:16	0		0		0
34	2/28/2012 16:31	0		0		0
35	2/28/2012 16:46	0		0		0

36	2/28/2012 17:01	0	0	0
37	2/28/2012 17:16	0	0	0

=====

Max(ppm)

10

5

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Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 15
 Test Abbreviation:
 Start Date: 2/29/2012
 Start Time: 7:29:25
 Duration (dd:hh:mm:ss): 00:09:45:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 39
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.03
	Minimum:	0.008
	Time of Minimum:	16:59:25
	Date of Minimum:	2/29/2012
	Maximum:	0.043
	Time of Maximum:	10:44:25
	Date of Maximum:	2/29/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
2/29/2012	7:44:25	0.037
2/29/2012	7:59:25	0.04
2/29/2012	8:14:25	0.037
2/29/2012	8:29:25	0.03
2/29/2012	8:44:25	0.027
2/29/2012	8:59:25	0.027
2/29/2012	9:14:25	0.029
2/29/2012	9:29:25	0.026
2/29/2012	9:44:25	0.029
2/29/2012	9:59:25	0.033
2/29/2012	10:14:25	0.037
2/29/2012	10:29:25	0.042
2/29/2012	10:44:25	0.043
2/29/2012	10:59:25	0.043
2/29/2012	11:14:25	0.042
2/29/2012	11:29:25	0.04
2/29/2012	11:44:25	0.037
2/29/2012	11:59:25	0.037

2/29/2012	12:14:25	0.037
2/29/2012	12:29:25	0.037
2/29/2012	12:44:25	0.036
2/29/2012	12:59:25	0.037
2/29/2012	13:14:25	0.037
2/29/2012	13:29:25	0.039
2/29/2012	13:44:25	0.038
2/29/2012	13:59:25	0.036
2/29/2012	14:14:25	0.035
2/29/2012	14:29:25	0.035
2/29/2012	14:44:25	0.03
2/29/2012	14:59:25	0.027
2/29/2012	15:14:25	0.023
2/29/2012	15:29:25	0.018
2/29/2012	15:44:25	0.017
2/29/2012	15:59:25	0.015
2/29/2012	16:14:25	0.013
2/29/2012	16:29:25	0.011
2/29/2012	16:44:25	0.009
2/29/2012	16:59:25	0.008
2/29/2012	17:14:25	0.009

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000668

Data Points: 38 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 02/29/2012 07:18

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	2/29/2012 7:42	0		0		0
2	2/29/2012 7:57	0		0		0
3	2/29/2012 8:12	0		0		0
4	2/29/2012 8:27	0		0		0
5	2/29/2012 8:42	0		0		0
6	2/29/2012 8:57	0		0		0
7	2/29/2012 9:12	0		0		0
8	2/29/2012 9:27	0		0		0
9	2/29/2012 9:42	0		0		0
10	2/29/2012 9:57	0		0		0
11	2/29/2012 10:12	0		0		0
12	2/29/2012 10:27	0		0		0
13	2/29/2012 10:42	0		0		0
14	2/29/2012 10:57	0		0		0
15	2/29/2012 11:12	0		0		0
16	2/29/2012 11:27	0		0		0
17	2/29/2012 11:42	0		0		0
18	2/29/2012 11:57	0		0		0
19	2/29/2012 12:12	0		0		0
20	2/29/2012 12:27	0		0		0
21	2/29/2012 12:42	0		0		0
22	2/29/2012 12:57	0		0		0
23	2/29/2012 13:12	0		0		0
24	2/29/2012 13:27	0		0		0
25	2/29/2012 13:42	0		0		0
26	2/29/2012 13:57	0		0		0
27	2/29/2012 14:12	0		0		0
28	2/29/2012 14:27	0		0		0
29	2/29/2012 14:42	0		0		0
30	2/29/2012 14:57	0		0		0
31	2/29/2012 15:12	0		0		0
32	2/29/2012 15:27	0		0		0
33	2/29/2012 15:42	0		0		0
34	2/29/2012 15:57	0		0		0
35	2/29/2012 16:12	0		0		0

36	2/29/2012 16:27	0	0	0
37	2/29/2012 16:42	0	0	0
38	2/29/2012 16:57	0	0	0

=====

Max(ppm)

10

5

=====

Alarm

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TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 16
 Test Abbreviation:
 Start Date: 3/1/2012
 Start Time: 7:45:24
 Duration (dd:hh:mm:ss) 00:09:00:00
 Time constant (second): 10
 Log Interval (mm:ss): 15:00
 Number of points: 36
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.024
	Minimum:	0.008
	Time of Minimum:	8:45:24
	Date of Minimum:	3/1/2012
	Maximum:	0.05
	Time of Maximum:	13:30:24
	Date of Maximum:	3/1/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/1/2012	8:00:24	0.012
3/1/2012	8:15:24	0.01
3/1/2012	8:30:24	0.009
3/1/2012	8:45:24	0.008
3/1/2012	9:00:24	0.01
3/1/2012	9:15:24	0.012
3/1/2012	9:30:24	0.018
3/1/2012	9:45:24	0.014
3/1/2012	10:00:24	0.022
3/1/2012	10:15:24	0.028
3/1/2012	10:30:24	0.018
3/1/2012	10:45:24	0.018
3/1/2012	11:00:24	0.016
3/1/2012	11:15:24	0.02
3/1/2012	11:30:24	0.02
3/1/2012	11:45:24	0.021
3/1/2012	12:00:24	0.032
3/1/2012	12:15:24	0.032

3/1/2012	12:30:24	0.033
3/1/2012	12:45:24	0.03
3/1/2012	13:00:24	0.037
3/1/2012	13:15:24	0.038
3/1/2012	13:30:24	0.05
3/1/2012	13:45:24	0.03
3/1/2012	14:00:24	0.038
3/1/2012	14:15:24	0.032
3/1/2012	14:30:24	0.034
3/1/2012	14:45:24	0.032
3/1/2012	15:00:24	0.033
3/1/2012	15:15:24	0.037
3/1/2012	15:30:24	0.027
3/1/2012	15:45:24	0.021
3/1/2012	16:00:24	0.022
3/1/2012	16:15:24	0.021
3/1/2012	16:30:24	0.022
3/1/2012	16:45:24	0.02

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000669

Data Points: 35 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/01/2012 07:34

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:           10                10                10
Low Alarm Levels:            5                 5                 5
=====
```

```
=====
Line#    Date Time    Min(ppm) Alarm    Avg(ppm) Alarm    Max(ppm) Alarm
=====
   1  3/1/2012 7:57      0          0          0
   2  3/1/2012 8:12      0          0          0
   3  3/1/2012 8:27      0          0          0
   4  3/1/2012 8:42      0          0          0
   5  3/1/2012 8:57      0          0          0
   6  3/1/2012 9:12      0          0          0
   7  3/1/2012 9:27      0          0          0
   8  3/1/2012 9:42      0          0          0
   9  3/1/2012 9:57      0          0          0
  10  3/1/2012 10:12      0          0          0
  11  3/1/2012 10:27      0          0          0
  12  3/1/2012 10:42      0          0          0
  13  3/1/2012 10:57      0          0          0
  14  3/1/2012 11:12      0          0          0
  15  3/1/2012 11:27      0          0          0
  16  3/1/2012 11:42      0          0          0
  17  3/1/2012 11:57      0          0          0
  18  3/1/2012 12:12      0          0          0
  19  3/1/2012 12:27      0          0          0
  20  3/1/2012 12:42      0          0          0
  21  3/1/2012 12:57      0          0          0
  22  3/1/2012 13:12      0          0          0
  23  3/1/2012 13:27      0          0          0
  24  3/1/2012 13:42      0          0          0
  25  3/1/2012 13:57      0          0          0
  26  3/1/2012 14:12      0          0          0
  27  3/1/2012 14:27      0          0          0
  28  3/1/2012 14:42      0          0          0
  29  3/1/2012 14:57      0          0          0
  30  3/1/2012 15:12      0          0          0
  31  3/1/2012 15:27      0          0          0
  32  3/1/2012 15:42      0          0          0
  33  3/1/2012 15:57      0          0          0
  34  3/1/2012 16:12      0          0          0
  35  3/1/2012 16:27      0          0          0
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TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 17
 Test Abbreviation:
 Start Date: 3/2/2012
 Start Time: 7:44:41
 Duration (dd:hh:mm:ss): 00:09:15:00
 Time constant (sec): 10
 Log Interval (mm:ss): 15:00
 Number of points: 37
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.027
	Minimum:	0.017
	Time of Minimum:	11:14:41
	Date of Minimum:	3/2/2012
	Maximum:	0.038
	Time of Maximum:	15:59:41
	Date of Maximum:	3/2/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/2/2012	7:59:41	0.028
3/2/2012	8:14:41	0.029
3/2/2012	8:29:41	0.034
3/2/2012	8:44:41	0.033
3/2/2012	8:59:41	0.035
3/2/2012	9:14:41	0.029
3/2/2012	9:29:41	0.021
3/2/2012	9:44:41	0.019
3/2/2012	9:59:41	0.018
3/2/2012	10:14:41	0.018
3/2/2012	10:29:41	0.02
3/2/2012	10:44:41	0.02
3/2/2012	10:59:41	0.021
3/2/2012	11:14:41	0.017
3/2/2012	11:29:41	0.019
3/2/2012	11:44:41	0.018
3/2/2012	11:59:41	0.017
3/2/2012	12:14:41	0.018

3/2/2012	12:29:41	0.019
3/2/2012	12:44:41	0.019
3/2/2012	12:59:41	0.02
3/2/2012	13:14:41	0.023
3/2/2012	13:29:41	0.022
3/2/2012	13:44:41	0.027
3/2/2012	13:59:41	0.029
3/2/2012	14:14:41	0.033
3/2/2012	14:29:41	0.03
3/2/2012	14:44:41	0.031
3/2/2012	14:59:41	0.034
3/2/2012	15:14:41	0.036
3/2/2012	15:29:41	0.035
3/2/2012	15:44:41	0.037
3/2/2012	15:59:41	0.038
3/2/2012	16:14:41	0.035
3/2/2012	16:29:41	0.034
3/2/2012	16:44:41	0.031
3/2/2012	16:59:41	0.038

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000670

Data Points: 36 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/02/2012 07:25

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/2/2012 7:56	0		0		0
2	3/2/2012 8:11	0		0		0
3	3/2/2012 8:26	0		0		0
4	3/2/2012 8:41	0		0		0
5	3/2/2012 8:56	0		0		0
6	3/2/2012 9:11	0		0		0
7	3/2/2012 9:26	0		0		0
8	3/2/2012 9:41	0		0		0
9	3/2/2012 9:56	0		0		0
10	3/2/2012 10:11	0		0		0
11	3/2/2012 10:26	0		0		0
12	3/2/2012 10:41	0		0		0
13	3/2/2012 10:56	0		0		0
14	3/2/2012 11:11	0		0		0
15	3/2/2012 11:26	0		0		0
16	3/2/2012 11:41	0		0		0
17	3/2/2012 11:56	0		0		0
18	3/2/2012 12:11	0		0		0
19	3/2/2012 12:26	0		0		0
20	3/2/2012 12:41	0		0		0
21	3/2/2012 12:56	0		0		0
22	3/2/2012 13:11	0		0		0
23	3/2/2012 13:26	0		0		0
24	3/2/2012 13:41	0		0		0
25	3/2/2012 13:56	0		0		0
26	3/2/2012 14:11	0		0		0
27	3/2/2012 14:26	0		0		0
28	3/2/2012 14:41	0		0		0
29	3/2/2012 14:56	0		0		0
30	3/2/2012 15:11	0		0		0
31	3/2/2012 15:26	0		0		0
32	3/2/2012 15:41	0		0		0
33	3/2/2012 15:56	0		0		0
34	3/2/2012 16:11	0		0		0
35	3/2/2012 16:26	0		0		0

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 16
 Test Abbreviation:
 Start Date: 2/27/2012
 Start Time: 7:37:04
 Duration (dd:hh:mm:ss): 00:09:45:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 39
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.024
	Minimum:		0.018
	Time of Minimum:		12:37:04
	Date of Minimum:		2/27/2012
	Maximum:		0.035
	Time of Maximum:		9:52:04
	Date of Maximum:		2/27/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
2/27/2012	7:52:04		0.03
2/27/2012	8:07:04		0.027
2/27/2012	8:22:04		0.025
2/27/2012	8:37:04		0.024
2/27/2012	8:52:04		0.03
2/27/2012	9:07:04		0.034
2/27/2012	9:22:04		0.026
2/27/2012	9:37:04		0.032
2/27/2012	9:52:04		0.035
2/27/2012	10:07:04		0.031
2/27/2012	10:22:04		0.024
2/27/2012	10:37:04		0.02
2/27/2012	10:52:04		0.021
2/27/2012	11:07:04		0.021
2/27/2012	11:22:04		0.019
2/27/2012	11:37:04		0.019
2/27/2012	11:52:04		0.023
2/27/2012	12:07:04		0.024

2/27/2012	12:22:04	0.019
2/27/2012	12:37:04	0.018
2/27/2012	12:52:04	0.028
2/27/2012	13:07:04	0.028
2/27/2012	13:22:04	0.022
2/27/2012	13:37:04	0.026
2/27/2012	13:52:04	0.025
2/27/2012	14:07:04	0.019
2/27/2012	14:22:04	0.027
2/27/2012	14:37:04	0.022
2/27/2012	14:52:04	0.019
2/27/2012	15:07:04	0.019
2/27/2012	15:22:04	0.025
2/27/2012	15:37:04	0.022
2/27/2012	15:52:04	0.022
2/27/2012	16:07:04	0.025
2/27/2012	16:22:04	0.022
2/27/2012	16:37:04	0.022
2/27/2012	16:52:04	0.024
2/27/2012	17:07:04	0.023
2/27/2012	17:22:04	0.023

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001011

Data Points: 38 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 02/27/2012 07:14

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	2/27/2012 7:48	0		0		0.2
2	2/27/2012 8:03	0		0		0.3
3	2/27/2012 8:18	0		0		0.4
4	2/27/2012 8:33	0		0		0.4
5	2/27/2012 8:48	0		0		0.4
6	2/27/2012 9:03	0		0		0.5
7	2/27/2012 9:18	0		0		0.5
8	2/27/2012 9:33	0		0		0.8
9	2/27/2012 9:48	0		0		0.6
10	2/27/2012 10:03	0		0		0.5
11	2/27/2012 10:18	0		0		0.4
12	2/27/2012 10:33	0		0		0.6
13	2/27/2012 10:48	0		0		0.5
14	2/27/2012 11:03	0		0		0.3
15	2/27/2012 11:18	0		0		0.4
16	2/27/2012 11:33	0		0		0.3
17	2/27/2012 11:48	0		0		0.3
18	2/27/2012 12:03	0		0		0.3
19	2/27/2012 12:18	0		0		0.3
20	2/27/2012 12:33	0		0		0.3
21	2/27/2012 12:48	0		0		0.2
22	2/27/2012 13:03	0		0		0.2
23	2/27/2012 13:18	0		0		0.2
24	2/27/2012 13:33	0		0		0.2
25	2/27/2012 13:48	0		0		0.2
26	2/27/2012 14:03	0		0		0.2
27	2/27/2012 14:18	0		0		0.3
28	2/27/2012 14:33	0		0		0.2
29	2/27/2012 14:48	0		0		0.3
30	2/27/2012 15:03	0		0		0.3
31	2/27/2012 15:18	0		0		0.4
32	2/27/2012 15:33	0		0		0.2
33	2/27/2012 15:48	0		0		0.2
34	2/27/2012 16:03	0		0		1.3
35	2/27/2012 16:18	0		0		0.2

36	2/27/2012 16:33	0	0	0.3
37	2/27/2012 16:48	0	0	0.2
38	2/27/2012 17:03	0	0	0.2

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 17
 Test Abbreviation:
 Start Date: 2/28/2012
 Start Time: 8:32:42
 Duration (dd:hh:mm:ss): 00:09:00:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 36
 Notes:

Statistics Channel: Aerosol
 Units: mg/m³
 Average: 0.017
 Minimum: 0.012
 Time of Minimum: 8:47:42
 Date of Minimum: 2/28/2012
 Maximum: 0.021
 Time of Maximum: 11:47:42
 Date of Maximum: 2/28/2012

Calibration Sensor: Aerosol
 Cal. date 6/11/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m ³
2/28/2012	8:47:42	0.012
2/28/2012	9:02:42	0.014
2/28/2012	9:17:42	0.015
2/28/2012	9:32:42	0.014
2/28/2012	9:47:42	0.015
2/28/2012	10:02:42	0.018
2/28/2012	10:17:42	0.018
2/28/2012	10:32:42	0.017
2/28/2012	10:47:42	0.02
2/28/2012	11:02:42	0.017
2/28/2012	11:17:42	0.018
2/28/2012	11:32:42	0.019
2/28/2012	11:47:42	0.021
2/28/2012	12:02:42	0.017
2/28/2012	12:17:42	0.02
2/28/2012	12:32:42	0.018
2/28/2012	12:47:42	0.016
2/28/2012	13:02:42	0.02

2/28/2012	13:17:42	0.021
2/28/2012	13:32:42	0.016
2/28/2012	13:47:42	0.017
2/28/2012	14:02:42	0.017
2/28/2012	14:17:42	0.019
2/28/2012	14:32:42	0.018
2/28/2012	14:47:42	0.016
2/28/2012	15:02:42	0.016
2/28/2012	15:17:42	0.016
2/28/2012	15:32:42	0.019
2/28/2012	15:47:42	0.016
2/28/2012	16:02:42	0.017
2/28/2012	16:17:42	0.017
2/28/2012	16:32:42	0.016
2/28/2012	16:47:42	0.021
2/28/2012	17:02:42	0.019
2/28/2012	17:17:42	0.019
2/28/2012	17:32:42	0.015

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001013
Data Points: 37 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 02/28/2012 07:37

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:           5                 5                 5
Low Alarm Levels:           2.5              2.5              2.5
=====
```

```
=====
Line#   Date Time   Min(ppm) Alarm   Avg(ppm) Alarm   Max(ppm) Alarm
=====
```

1	2/28/2012 8:15	0		0.2		21.2 H
2	2/28/2012 8:30	0		0		0
3	2/28/2012 8:45	0		0		0.1
4	2/28/2012 9:00	0		0		0.3
5	2/28/2012 9:15	0		0		0.3
6	2/28/2012 9:30	0		0		0.4
7	2/28/2012 9:45	0		0		0.5
8	2/28/2012 10:00	0		0		0.7
9	2/28/2012 10:15	0		0		0.3
10	2/28/2012 10:30	0		0		0.5
11	2/28/2012 10:45	0		0		0.5
12	2/28/2012 11:00	0		0		0.3
13	2/28/2012 11:15	0		0		0.4
14	2/28/2012 11:30	0		0		0.4
15	2/28/2012 11:45	0		0		0.3
16	2/28/2012 12:00	0		0		0.5
17	2/28/2012 12:15	0		0		0.3
18	2/28/2012 12:30	0		0		0.6
19	2/28/2012 12:45	0		0		0.4
20	2/28/2012 13:00	0		0		0.6
21	2/28/2012 13:15	0		0		0.3
22	2/28/2012 13:30	0		0		0.5
23	2/28/2012 13:45	0		0		0.5
24	2/28/2012 14:00	0		0		0.4
25	2/28/2012 14:15	0		0		0.4
26	2/28/2012 14:30	0		0		0.7
27	2/28/2012 14:45	0		0		0.5
28	2/28/2012 15:00	0		0		0.6
29	2/28/2012 15:15	0		0		0.3
30	2/28/2012 15:30	0		0		0.3
31	2/28/2012 15:45	0		0		0.3
32	2/28/2012 16:00	0		0		0.3
33	2/28/2012 16:15	0		0		0.2
34	2/28/2012 16:30	0		0		0.4
35	2/28/2012 16:45	0		0		0.3

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=====
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36 2/28/2012 17:00	0	0	0.6
37 2/28/2012 17:15	0	0	0.3

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TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 18
 Test Abbreviation:
 Start Date: 2/29/2012
 Start Time: 7:31:11
 Duration (dd:hh:mm:ss): 00:09:45:00
 Time constant (sec): 1
 Log Interval (mm:ss): 15:00
 Number of points: 39
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.025
	Minimum:	0.006
	Time of Minimum:	16:46:11
	Date of Minimum:	2/29/2012
	Maximum:	0.039
	Time of Maximum:	11:01:11
	Date of Maximum:	2/29/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
2/29/2012	7:46:11	0.032
2/29/2012	8:01:11	0.034
2/29/2012	8:16:11	0.035
2/29/2012	8:31:11	0.024
2/29/2012	8:46:11	0.022
2/29/2012	9:01:11	0.021
2/29/2012	9:16:11	0.021
2/29/2012	9:31:11	0.021
2/29/2012	9:46:11	0.024
2/29/2012	10:01:11	0.028
2/29/2012	10:16:11	0.032
2/29/2012	10:31:11	0.037
2/29/2012	10:46:11	0.037
2/29/2012	11:01:11	0.039
2/29/2012	11:16:11	0.037
2/29/2012	11:31:11	0.035
2/29/2012	11:46:11	0.033
2/29/2012	12:01:11	0.032

2/29/2012	12:16:11	0.031
2/29/2012	12:31:11	0.031
2/29/2012	12:46:11	0.031
2/29/2012	13:01:11	0.031
2/29/2012	13:16:11	0.032
2/29/2012	13:31:11	0.032
2/29/2012	13:46:11	0.032
2/29/2012	14:01:11	0.03
2/29/2012	14:16:11	0.03
2/29/2012	14:31:11	0.029
2/29/2012	14:46:11	0.025
2/29/2012	15:01:11	0.022
2/29/2012	15:16:11	0.018
2/29/2012	15:31:11	0.014
2/29/2012	15:46:11	0.013
2/29/2012	16:01:11	0.012
2/29/2012	16:16:11	0.01
2/29/2012	16:31:11	0.008
2/29/2012	16:46:11	0.006
2/29/2012	17:01:11	0.006
2/29/2012	17:16:11	0.006

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001014
Data Points: 38 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 02/29/2012 07:16

=====

Measurement Type:	Min(ppm)	Avg(ppm)
High Alarm Levels:	5	5
Low Alarm Levels:	2.5	2.5

=====

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	2/29/2012 7:43	0		0		0.1
2	2/29/2012 7:58	0		0		0.3
3	2/29/2012 8:13	0		0		0.5
4	2/29/2012 8:28	0		0		0.5
5	2/29/2012 8:43	0		0		0.5
6	2/29/2012 8:58	0		0		0.6
7	2/29/2012 9:13	0		0		0.4
8	2/29/2012 9:28	0		0		0.5
9	2/29/2012 9:43	0		0		0.5
10	2/29/2012 9:58	0		0		0.5
11	2/29/2012 10:13	0		0		0.8
12	2/29/2012 10:28	0		0		0.7
13	2/29/2012 10:43	0		0		0.4
14	2/29/2012 10:58	0		0		0.7
15	2/29/2012 11:13	0		0		0.6
16	2/29/2012 11:28	0		0		0.6
17	2/29/2012 11:43	0		0		0.6
18	2/29/2012 11:58	0		0		0.4
19	2/29/2012 12:13	0		0		0.4
20	2/29/2012 12:28	0		0		0.6
21	2/29/2012 12:43	0		0		0.6
22	2/29/2012 12:58	0		0		0.7
23	2/29/2012 13:13	0		0		0.5
24	2/29/2012 13:28	0		0		0.5
25	2/29/2012 13:43	0		0		0.9
26	2/29/2012 13:58	0		0		0.5
27	2/29/2012 14:13	0		0		0.9
28	2/29/2012 14:28	0		0		0.5
29	2/29/2012 14:43	0		0		0.5
30	2/29/2012 14:58	0		0		0.5
31	2/29/2012 15:13	0		0		0.4
32	2/29/2012 15:28	0		0		0.6
33	2/29/2012 15:43	0		0		0.8
34	2/29/2012 15:58	0		0		0.5
35	2/29/2012 16:13	0		0		0.7

36	2/29/2012 16:28	0	0	0.7
37	2/29/2012 16:43	0	0	0.5
38	2/29/2012 16:58	0	0	0.6

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 19
 Test Abbreviation:
 Start Date: 3/1/2012
 Start Time: 7:42:02
 Duration (dd:hh:mm 00:09:00:00
 Time constant (seco 1
 Log Interval (mm:ss) 15:00
 Number of points: 36
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.017
	Minimum:		0.004
	Time of Minimum:		9:12:02
	Date of Minimum:		3/1/2012
	Maximum:		0.033
	Time of Maximum:		15:12:02
	Date of Maximum:		3/1/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/1/2012	7:57:02		0.005
3/1/2012	8:12:02		0.01
3/1/2012	8:27:02		0.006
3/1/2012	8:42:02		0.006
3/1/2012	8:57:02		0.005
3/1/2012	9:12:02		0.004
3/1/2012	9:27:02		0.006
3/1/2012	9:42:02		0.006
3/1/2012	9:57:02		0.007
3/1/2012	10:12:02		0.01
3/1/2012	10:27:02		0.013
3/1/2012	10:42:02		0.015
3/1/2012	10:57:02		0.012
3/1/2012	11:12:02		0.014
3/1/2012	11:27:02		0.015
3/1/2012	11:42:02		0.016
3/1/2012	11:57:02		0.02
3/1/2012	12:12:02		0.022

3/1/2012	12:27:02	0.019
3/1/2012	12:42:02	0.02
3/1/2012	12:57:02	0.024
3/1/2012	13:12:02	0.021
3/1/2012	13:27:02	0.023
3/1/2012	13:42:02	0.025
3/1/2012	13:57:02	0.022
3/1/2012	14:12:02	0.024
3/1/2012	14:27:02	0.027
3/1/2012	14:42:02	0.026
3/1/2012	14:57:02	0.028
3/1/2012	15:12:02	0.033
3/1/2012	15:27:02	0.026
3/1/2012	15:42:02	0.018
3/1/2012	15:57:02	0.018
3/1/2012	16:12:02	0.018
3/1/2012	16:27:02	0.018
3/1/2012	16:42:02	0.016

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001021

Data Points: 35 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/01/2012 07:24

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/1/2012 7:55	0		0		0.4
2	3/1/2012 8:10	0		0		0.5
3	3/1/2012 8:25	0		0.1		0.7
4	3/1/2012 8:40	0		0.1		0.8
5	3/1/2012 8:55	0		0.1		0.8
6	3/1/2012 9:10	0		0.1		0.7
7	3/1/2012 9:25	0		0.1		0.7
8	3/1/2012 9:40	0		0.1		0.7
9	3/1/2012 9:55	0		0.1		0.7
10	3/1/2012 10:10	0		0.1		0.6
11	3/1/2012 10:25	0		0.1		0.7
12	3/1/2012 10:40	0		0		0.6
13	3/1/2012 10:55	0		0.1		0.6
14	3/1/2012 11:10	0		0.1		1
15	3/1/2012 11:25	0		0.1		0.5
16	3/1/2012 11:40	0		0.1		0.8
17	3/1/2012 11:55	0		0.1		0.6
18	3/1/2012 12:10	0		0.2		0.8
19	3/1/2012 12:25	0		0.1		0.7
20	3/1/2012 12:40	0		0.2		1
21	3/1/2012 12:55	0		0.2		0.7
22	3/1/2012 13:10	0		0.2		0.7
23	3/1/2012 13:25	0		0.2		0.6
24	3/1/2012 13:40	0		0.2		1
25	3/1/2012 13:55	0		0.2		0.7
26	3/1/2012 14:10	0		0.2		0.6
27	3/1/2012 14:25	0		0.2		0.8
28	3/1/2012 14:40	0		0.2		0.8
29	3/1/2012 14:55	0		0.2		0.7
30	3/1/2012 15:10	0		0.2		0.9
31	3/1/2012 15:25	0		0.2		0.9
32	3/1/2012 15:40	0		0.2		0.6
33	3/1/2012 15:55	0		0.2		0.7
34	3/1/2012 16:10	0		0.2		0.7
35	3/1/2012 16:25	0		0.2		0.9

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 20
 Test Abbreviation:
 Start Date: 3/2/2012
 Start Time: 7:42:26
 Duration (dd:hh:mm:ss): 00:09:15:00
 Time constant (sec): 1
 Log Interval (mm:ss): 15:00
 Number of points: 37
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.021
	Minimum:	0.012
	Time of Minimum:	10:12:26
	Date of Minimum:	3/2/2012
	Maximum:	0.032
	Time of Maximum:	15:12:26
	Date of Maximum:	3/2/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/2/2012	7:57:26	0.022
3/2/2012	8:12:26	0.023
3/2/2012	8:27:26	0.023
3/2/2012	8:42:26	0.029
3/2/2012	8:57:26	0.021
3/2/2012	9:12:26	0.019
3/2/2012	9:27:26	0.017
3/2/2012	9:42:26	0.015
3/2/2012	9:57:26	0.014
3/2/2012	10:12:26	0.012
3/2/2012	10:27:26	0.014
3/2/2012	10:42:26	0.015
3/2/2012	10:57:26	0.015
3/2/2012	11:12:26	0.016
3/2/2012	11:27:26	0.015
3/2/2012	11:42:26	0.014
3/2/2012	11:57:26	0.014
3/2/2012	12:12:26	0.015

3/2/2012	12:27:26	0.016
3/2/2012	12:42:26	0.015
3/2/2012	12:57:26	0.016
3/2/2012	13:12:26	0.018
3/2/2012	13:27:26	0.018
3/2/2012	13:42:26	0.021
3/2/2012	13:57:26	0.023
3/2/2012	14:12:26	0.028
3/2/2012	14:27:26	0.025
3/2/2012	14:42:26	0.025
3/2/2012	14:57:26	0.029
3/2/2012	15:12:26	0.032
3/2/2012	15:27:26	0.03
3/2/2012	15:42:26	0.031
3/2/2012	15:57:26	0.032
3/2/2012	16:12:26	0.03
3/2/2012	16:27:26	0.028
3/2/2012	16:42:26	0.028
3/2/2012	16:57:26	0.027

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001022

Data Points: 36 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/02/2012 07:21

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/2/2012 7:53	0		0		0.3
2	3/2/2012 8:08	0		0		0.4
3	3/2/2012 8:23	0		0		0.4
4	3/2/2012 8:38	0		0		0.5
5	3/2/2012 8:53	0		0		0.5
6	3/2/2012 9:08	0		0		0.5
7	3/2/2012 9:23	0		0		0.5
8	3/2/2012 9:38	0		0.1		0.6
9	3/2/2012 9:53	0		0.1		0.4
10	3/2/2012 10:08	0		0.1		0.4
11	3/2/2012 10:23	0		0.1		0.6
12	3/2/2012 10:38	0		0.1		0.4
13	3/2/2012 10:53	0		0.1		0.4
14	3/2/2012 11:08	0		0.1		0.4
15	3/2/2012 11:23	0		0.1		0.4
16	3/2/2012 11:38	0		0.1		0.4
17	3/2/2012 11:53	0		0.1		0.4
18	3/2/2012 12:08	0		0.1		0.4
19	3/2/2012 12:23	0		0.1		0.4
20	3/2/2012 12:38	0		0.1		0.4
21	3/2/2012 12:53	0		0.1		0.4
22	3/2/2012 13:08	0		0.1		0.4
23	3/2/2012 13:23	0		0.1		0.4
24	3/2/2012 13:38	0		0.1		0.5
25	3/2/2012 13:53	0		0.1		0.6
26	3/2/2012 14:08	0		0.1		0.5
27	3/2/2012 14:23	0		0.1		0.6
28	3/2/2012 14:38	0		0.1		0.6
29	3/2/2012 14:53	0		0.1		0.7
30	3/2/2012 15:08	0		0.1		0.7
31	3/2/2012 15:23	0		0.1		0.9
32	3/2/2012 15:38	0		0.1		0.7
33	3/2/2012 15:53	0		0.1		0.9
34	3/2/2012 16:08	0		0.1		0.9
35	3/2/2012 16:23	0		0.1		0.6

36

3/2/2012 16:38

0

0.2

0.9


```
=====
Max(ppm)
    5
    2.5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85203517
 Test ID: 18
 Test Abbreviation:
 Start Date: 2/27/2012
 Start Time: 7:32:22
 Duration (dd:hh:mm:ss 00:09:45:00
 Time constant (second 10
 Log Interval (mm:ss): 15:00
 Number of points: 39
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.004
	Minimum:	0.001
	Time of Minimum:	9:02:22
	Date of Minimum:	2/27/2012
	Maximum:	0.01
	Time of Maximum:	7:47:22
	Date of Maximum:	2/27/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
2/27/2012	7:47:22	0.01
2/27/2012	8:02:22	0.01
2/27/2012	8:17:22	0.008
2/27/2012	8:32:22	0.003
2/27/2012	8:47:22	0.002
2/27/2012	9:02:22	0.001
2/27/2012	9:17:22	0.001
2/27/2012	9:32:22	0.001
2/27/2012	9:47:22	0.002
2/27/2012	10:02:22	0.002
2/27/2012	10:17:22	0.002
2/27/2012	10:32:22	0.003
2/27/2012	10:47:22	0.002
2/27/2012	11:02:22	0.002
2/27/2012	11:17:22	0.001
2/27/2012	11:32:22	0.001
2/27/2012	11:47:22	0.001
2/27/2012	12:02:22	0.001

2/27/2012	12:17:22	0.002
2/27/2012	12:32:22	0.001
2/27/2012	12:47:22	0.003
2/27/2012	13:02:22	0.006
2/27/2012	13:17:22	0.005
2/27/2012	13:32:22	0.005
2/27/2012	13:47:22	0.005
2/27/2012	14:02:22	0.004
2/27/2012	14:17:22	0.003
2/27/2012	14:32:22	0.005
2/27/2012	14:47:22	0.004
2/27/2012	15:02:22	0.005
2/27/2012	15:17:22	0.007
2/27/2012	15:32:22	0.008
2/27/2012	15:47:22	0.005
2/27/2012	16:02:22	0.006
2/27/2012	16:17:22	0.01
2/27/2012	16:32:22	0.006
2/27/2012	16:47:22	0.005
2/27/2012	17:02:22	0.005
2/27/2012	17:17:22	0.007

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000008

Data Points: 40 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 02/27/2012 07:19

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#

Date Time

Min(ppm) Alarm

Avg(ppm) Alarm

Max(ppm)

1	2/27/2012 7:40		0.1	0.2
2	2/27/2012 7:55		0.2	0.3
3	2/27/2012 8:10		0.2	0.3
4	2/27/2012 8:25		0.2	0.3
5	2/27/2012 8:40		0.2	0.3
6	2/27/2012 8:55		0.2	0.3
7	2/27/2012 9:10		0.2	0.3
8	2/27/2012 9:25		0.2	0.3
9	2/27/2012 9:40		0.2	0.3
10	2/27/2012 9:55		0.2	0.3
11	2/27/2012 10:10		0.2	0.3
12	2/27/2012 10:25		0.3	0.3
13	2/27/2012 10:40		0.3	0.3
14	2/27/2012 10:55		0.3	0.3
15	2/27/2012 11:10		0.3	0.3
16	2/27/2012 11:25		0.3	0.3
17	2/27/2012 11:40		0.2	0.3
18	2/27/2012 11:55		0.3	0.4
19	2/27/2012 12:10		0.3	0.4
20	2/27/2012 12:25		0.2	0.3
21	2/27/2012 12:40		0.3	0.4
22	2/27/2012 12:55		0.3	0.3
23	2/27/2012 13:10		0.3	0.3
24	2/27/2012 13:25		0.3	0.3
25	2/27/2012 13:40		0.3	0.3
26	2/27/2012 13:55		0.3	0.3
27	2/27/2012 14:10		0.3	0.3
28	2/27/2012 14:25		0.2	0.3
29	2/27/2012 14:40		0.3	0.3
30	2/27/2012 14:55		0.3	0.3
31	2/27/2012 15:10		0.1	0.3
32	2/27/2012 15:25		0.2	0.3
33	2/27/2012 15:40		0.1	0.3
34	2/27/2012 15:55		0.1	0.3
35	2/27/2012 16:10		0.2	0.3

36	2/27/2012 16:25	0.2	0.3
37	2/27/2012 16:40	0.1	0.3
38	2/27/2012 16:55	0.2	0.3
39	2/27/2012 17:10	0.2	0.3
40	2/27/2012 17:25	0.3	0.3

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85203517
 Test ID: 19
 Test Abbreviation:
 Start Date: 2/28/2012
 Start Time: 8:18:45
 Duration (dd:hh:mm:ss): 00:09:15:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 37
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.007
	Minimum:		0.001
	Time of Minimum:		8:33:45
	Date of Minimum:		2/28/2012
	Maximum:		0.014
	Time of Maximum:		11:33:45
	Date of Maximum:		2/28/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
2/28/2012	8:33:45	0.001	
2/28/2012	8:48:45	0.002	
2/28/2012	9:03:45	0	
2/28/2012	9:18:45	0.005	
2/28/2012	9:33:45	0.005	
2/28/2012	9:48:45	0.004	
2/28/2012	10:03:45	0.001	
2/28/2012	10:18:45	0.011	
2/28/2012	10:33:45	0.009	
2/28/2012	10:48:45	0.007	
2/28/2012	11:03:45	0.009	
2/28/2012	11:18:45	0.01	
2/28/2012	11:33:45	0.014	
2/28/2012	11:48:45	0.014	
2/28/2012	12:03:45	0.013	
2/28/2012	12:18:45	0.013	
2/28/2012	12:33:45	0.011	
2/28/2012	12:48:45	0.012	

2/28/2012	13:03:45	0.011
2/28/2012	13:18:45	0.012
2/28/2012	13:33:45	0.02
2/28/2012	13:48:45	0.011
2/28/2012	14:03:45	0.007
2/28/2012	14:18:45	0.007
2/28/2012	14:33:45	0.007
2/28/2012	14:48:45	0.005
2/28/2012	15:03:45	0.004
2/28/2012	15:18:45	0.002
2/28/2012	15:33:45	0.001
2/28/2012	15:48:45	0.004
2/28/2012	16:03:45	0.003
2/28/2012	16:18:45	0.001
2/28/2012	16:33:45	0.001
2/28/2012	16:48:45	0.002
2/28/2012	17:03:45	0.005
2/28/2012	17:18:45	0.003
2/28/2012	17:33:45	0.007

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000008

Data Points: 37 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 02/28/2012 07:23

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	2/28/2012 8:06	0		0		1.9
2	2/28/2012 8:21	0		0		0.1
3	2/28/2012 8:36	0		0		0.1
4	2/28/2012 8:51	0		0		0.5
5	2/28/2012 9:06	0.1		0.1		0.2
6	2/28/2012 9:21	0.1		0.1		0.2
7	2/28/2012 9:36	0.1		0.1		0.2
8	2/28/2012 9:51	0.1		0.1		0.2
9	2/28/2012 10:06	0.1		0.1		0.2
10	2/28/2012 10:21	0.1		0.1		0.2
11	2/28/2012 10:36	0.1		0.1		0.2
12	2/28/2012 10:51	0.1		0.1		0.2
13	2/28/2012 11:06	0.1		0.1		0.2
14	2/28/2012 11:21	0.1		0.1		0.2
15	2/28/2012 11:36	0.1		0.1		0.2
16	2/28/2012 11:51	0.1		0.1		0.2
17	2/28/2012 12:06	0.1		0.1		0.2
18	2/28/2012 12:21	0.1		0.1		0.2
19	2/28/2012 12:36	0.1		0.1		0.2
20	2/28/2012 12:51	0.1		0.1		0.2
21	2/28/2012 13:06	0.1		0.1		0.2
22	2/28/2012 13:21	0.2		0.2		0.3
23	2/28/2012 13:36	0.1		0.2		0.3
24	2/28/2012 13:51	0		0.2		0.7
25	2/28/2012 14:06	0.1		0.2		0.4
26	2/28/2012 14:21	0.1		0.2		0.3
27	2/28/2012 14:36	0.2		0.2		0.3
28	2/28/2012 14:51	0.2		0.2		0.3
29	2/28/2012 15:06	0.1		0.2		0.4
30	2/28/2012 15:21	0		0.2		0.7
31	2/28/2012 15:36	0		0.2		0.7
32	2/28/2012 15:51	0		0.2		0.5
33	2/28/2012 16:06	0.1		0.2		0.4
34	2/28/2012 16:21	0.1		0.2		0.4
35	2/28/2012 16:36	0.1		0.2		0.3

36	2/28/2012 16:51	0.2	0.2	0.3
37	2/28/2012 17:06	0.2	0.2	0.3

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File
 Model: Dust Trak
 Serial Number: 85203517
 Test ID: 20
 Test Abbreviation:
 Start Date: 2/29/2012
 Start Time: 7:48:04
 Duration (dd:hh:mm:ss): 00:09:30:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 38
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.012
	Minimum:	0.001
	Time of Minimum:	15:48:04
	Date of Minimum:	2/29/2012
	Maximum:	0.026
	Time of Maximum:	8:03:04
	Date of Maximum:	2/29/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
2/29/2012	8:03:04	0.026
2/29/2012	8:18:04	0.015
2/29/2012	8:33:04	0.016
2/29/2012	8:48:04	0.019
2/29/2012	9:03:04	0.015
2/29/2012	9:18:04	0.013
2/29/2012	9:33:04	0.011
2/29/2012	9:48:04	0.011
2/29/2012	10:03:04	0.011
2/29/2012	10:18:04	0.011
2/29/2012	10:33:04	0.01
2/29/2012	10:48:04	0.023
2/29/2012	11:03:04	0.007
2/29/2012	11:18:04	0.007
2/29/2012	11:33:04	0.008
2/29/2012	11:48:04	0.01
2/29/2012	12:03:04	0.011
2/29/2012	12:18:04	0.012

2/29/2012	12:33:04	0.008
2/29/2012	12:48:04	0.008
2/29/2012	13:03:04	0.01
2/29/2012	13:18:04	0.008
2/29/2012	13:33:04	0.007
2/29/2012	13:48:04	0.01
2/29/2012	14:03:04	0.018
2/29/2012	14:18:04	0.017
2/29/2012	14:33:04	0.015
2/29/2012	14:48:04	0.014
2/29/2012	15:03:04	0.015
2/29/2012	15:18:04	0.014
2/29/2012	15:33:04	0.01
2/29/2012	15:48:04	0.001
2/29/2012	16:03:04	0.009
2/29/2012	16:18:04	0.012
2/29/2012	16:33:04	0.011
2/29/2012	16:48:04	0.012
2/29/2012	17:03:04	0.01
2/29/2012	17:18:04	0.001

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000009

Data Points: 37 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 02/29/2012 07:14

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	2/29/2012 7:36	0		0		0.1
2	2/29/2012 7:51	0		0		0.2
3	2/29/2012 8:06	0		0.1		0.7
4	2/29/2012 8:21	0.1		0.1		0.2
5	2/29/2012 8:36	0.1		0.1		0.2
6	2/29/2012 8:51	0.1		0.1		0.2
7	2/29/2012 9:06	0.1		0.1		0.1
8	2/29/2012 9:21	0.1		0.1		0.1
9	2/29/2012 9:36	0		0		0.1
10	2/29/2012 9:51	0		0		0.1
11	2/29/2012 10:06	0		0		0.2
12	2/29/2012 10:21	0		0.1		0.2
13	2/29/2012 10:36	0		0		0.1
14	2/29/2012 10:51	0		0		0.1
15	2/29/2012 11:06	0.1		0.1		0.3
16	2/29/2012 11:21	0.1		0.1		0.3
17	2/29/2012 11:36	0		0		0.2
18	2/29/2012 11:51	0		0		0.1
19	2/29/2012 12:06	0		0		0.1
20	2/29/2012 12:21	0		0		0.1
21	2/29/2012 12:36	0.1		0.1		0.1
22	2/29/2012 12:51	0.1		0.1		0.3
23	2/29/2012 13:06	0.1		0.1		0.1
24	2/29/2012 13:21	0.1		0.1		0.1
25	2/29/2012 13:36	0.1		0.1		0.1
26	2/29/2012 13:51	0.1		0.1		0.2
27	2/29/2012 14:06	0.1		0.1		0.4
28	2/29/2012 14:21	0.1		0.1		0.4
29	2/29/2012 14:36	0.1		0.1		0.4
30	2/29/2012 14:51	0.1		0.1		0.3
31	2/29/2012 15:06	0.1		0.1		0.2
32	2/29/2012 15:21	0.1		0.1		0.2
33	2/29/2012 15:36	0.1		0.1		0.2
34	2/29/2012 15:51	0.1		0.1		0.2
35	2/29/2012 16:06	0.1		0.1		0.3

36	2/29/2012 16:21	0.1	0.1	0.2
37	2/29/2012 16:36	0.1	0.1	0.2

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 1
 Test Abbreviation:
 Start Date: 3/1/2012
 Start Time: 7:38:45
 Duration (dd:hh:mm:ss): 00:09:30:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 38
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.02
	Minimum:	0.002
	Time of Minimum:	7:53:45
	Date of Minimum:	3/1/2012
	Maximum:	0.041
	Time of Maximum:	15:23:45
	Date of Maximum:	3/1/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/1/2012	7:53:45	0.002
3/1/2012	8:08:45	0.002
3/1/2012	8:23:45	0.002
3/1/2012	8:38:45	0.003
3/1/2012	8:53:45	0.002
3/1/2012	9:08:45	0.003
3/1/2012	9:23:45	0.004
3/1/2012	9:38:45	0.005
3/1/2012	9:53:45	0.005
3/1/2012	10:08:45	0.008
3/1/2012	10:23:45	0.008
3/1/2012	10:38:45	0.021
3/1/2012	10:53:45	0.017
3/1/2012	11:08:45	0.019
3/1/2012	11:23:45	0.02
3/1/2012	11:38:45	0.022
3/1/2012	11:53:45	0.031
3/1/2012	12:08:45	0.031

3/1/2012	12:23:45	0.031
3/1/2012	12:38:45	0.025
3/1/2012	12:53:45	0.031
3/1/2012	13:08:45	0.031
3/1/2012	13:23:45	0.03
3/1/2012	13:38:45	0.034
3/1/2012	13:53:45	0.033
3/1/2012	14:08:45	0.033
3/1/2012	14:23:45	0.034
3/1/2012	14:38:45	0.031
3/1/2012	14:53:45	0.033
3/1/2012	15:08:45	0.037
3/1/2012	15:23:45	0.041
3/1/2012	15:38:45	0.024
3/1/2012	15:53:45	0.018
3/1/2012	16:08:45	0.02
3/1/2012	16:23:45	0.021
3/1/2012	16:38:45	0.017
3/1/2012	16:53:45	0.015
3/1/2012	17:08:45	0.018

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000010

Data Points: 37 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/01/2012 07:24

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/1/2012 7:45	0		0		0
2	3/1/2012 8:00	0		0		0
3	3/1/2012 8:15	0		0		0.1
4	3/1/2012 8:30	0		0		0.5
5	3/1/2012 8:45	0		0		0.1
6	3/1/2012 9:00	0		0		0.1
7	3/1/2012 9:15	0		0		0.1
8	3/1/2012 9:30	0.1		0.1		0.3
9	3/1/2012 9:45	0		0.1		0.2
10	3/1/2012 10:00	0.1		0.1		0.2
11	3/1/2012 10:15	0.1		0.1		0.2
12	3/1/2012 10:30	0.1		0.1		0.3
13	3/1/2012 10:45	0.2		0.2		0.3
14	3/1/2012 11:00	0.1		0.2		0.3
15	3/1/2012 11:15	0.1		0.2		0.4
16	3/1/2012 11:30	0		0.2		0.8
17	3/1/2012 11:45	0		0.2		0.7
18	3/1/2012 12:00	0		0.2		0.5
19	3/1/2012 12:15	0.1		0.2		0.4
20	3/1/2012 12:30	0.1		0.2		0.4
21	3/1/2012 12:45	0.2		0.2		0.3
22	3/1/2012 13:00	0.2		0.2		0.4
23	3/1/2012 13:15	0.2		0.2		0.4
24	3/1/2012 13:30	0.2		0.2		0.4
25	3/1/2012 13:45	0.2		0.3		0.5
26	3/1/2012 14:00	0.2		0.3		0.4
27	3/1/2012 14:15	0.2		0.3		0.4
28	3/1/2012 14:30	0.3		0.3		0.4
29	3/1/2012 14:45	0.3		0.3		0.4
30	3/1/2012 15:00	0.3		0.3		0.4
31	3/1/2012 15:15	0.2		0.2		0.4
32	3/1/2012 15:30	0.1		0.2		0.3
33	3/1/2012 15:45	0.1		0.2		0.4
34	3/1/2012 16:00	0.1		0.2		0.3
35	3/1/2012 16:15	0.1		0.2		0.3

36	3/1/2012 16:30	0.2	0.2	0.3
37	3/1/2012 16:45	0.2	0.2	0.3

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 2
 Test Abbreviation:
 Start Date: 3/2/2012
 Start Time: 7:43:43
 Duration (dd:hh:mm:ss): 00:09:15:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 37
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.019
	Minimum:	0.01
	Time of Minimum:	10:13:43
	Date of Minimum:	3/2/2012
	Maximum:	0.03
	Time of Maximum:	15:28:43
	Date of Maximum:	3/2/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/2/2012	7:58:43	0.024
3/2/2012	8:13:43	0.025
3/2/2012	8:28:43	0.026
3/2/2012	8:43:43	0.026
3/2/2012	8:58:43	0.023
3/2/2012	9:13:43	0.02
3/2/2012	9:28:43	0.014
3/2/2012	9:43:43	0.013
3/2/2012	9:58:43	0.011
3/2/2012	10:13:43	0.01
3/2/2012	10:28:43	0.011
3/2/2012	10:43:43	0.011
3/2/2012	10:58:43	0.011
3/2/2012	11:13:43	0.012
3/2/2012	11:28:43	0.012
3/2/2012	11:43:43	0.011
3/2/2012	11:58:43	0.011
3/2/2012	12:13:43	0.012

3/2/2012	12:28:43	0.012
3/2/2012	12:43:43	0.013
3/2/2012	12:58:43	0.014
3/2/2012	13:13:43	0.015
3/2/2012	13:28:43	0.016
3/2/2012	13:43:43	0.018
3/2/2012	13:58:43	0.02
3/2/2012	14:13:43	0.023
3/2/2012	14:28:43	0.025
3/2/2012	14:43:43	0.025
3/2/2012	14:58:43	0.027
3/2/2012	15:13:43	0.029
3/2/2012	15:28:43	0.03
3/2/2012	15:43:43	0.03
3/2/2012	15:58:43	0.03
3/2/2012	16:13:43	0.029
3/2/2012	16:28:43	0.028
3/2/2012	16:43:43	0.027
3/2/2012	16:58:43	0.027

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000011

Data Points: 36 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/02/2012 07:28

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/2/2012 7:49	0		0		0
2	3/2/2012 8:04	0		0		0
3	3/2/2012 8:19	0		0		0.1
4	3/2/2012 8:34	0		0		0.1
5	3/2/2012 8:49	0		0		0.1
6	3/2/2012 9:04	0		0		0.1
7	3/2/2012 9:19	0.1		0.1		0.2
8	3/2/2012 9:34	0.1		0.1		0.2
9	3/2/2012 9:49	0.1		0.1		0.2
10	3/2/2012 10:04	0.1		0.1		0.2
11	3/2/2012 10:19	0.1		0.1		0.3
12	3/2/2012 10:34	0.1		0.1		0.2
13	3/2/2012 10:49	0.1		0.1		0.2
14	3/2/2012 11:04	0.1		0.1		0.2
15	3/2/2012 11:19	0.1		0.1		0.2
16	3/2/2012 11:34	0.1		0.1		0.2
17	3/2/2012 11:49	0.2		0.2		0.3
18	3/2/2012 12:04	0.2		0.2		0.2
19	3/2/2012 12:19	0.2		0.2		0.2
20	3/2/2012 12:34	0.2		0.2		0.2
21	3/2/2012 12:49	0.2		0.2		0.3
22	3/2/2012 13:04	0.2		0.2		0.3
23	3/2/2012 13:19	0.1		0.2		0.3
24	3/2/2012 13:34	0.1		0.2		0.3
25	3/2/2012 13:49	0.1		0.2		0.3
26	3/2/2012 14:04	0		0.2		0.5
27	3/2/2012 14:19	0		0.2		0.7
28	3/2/2012 14:34	0		0.2		0.7
29	3/2/2012 14:49	0		0.1		0.4
30	3/2/2012 15:04	0.1		0.1		0.3
31	3/2/2012 15:19	0.1		0.1		0.3
32	3/2/2012 15:34	0.1		0.2		0.3
33	3/2/2012 15:49	0.1		0.2		0.3
34	3/2/2012 16:04	0.2		0.2		0.3
35	3/2/2012 16:19	0.2		0.2		0.3

36

3/2/2012 16:34

0.2

0.2

0.3

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 18
 Test Abbreviation:
 Start Date: 3/5/2012
 Start Time: 7:50:17
 Duration (dd:hh:mm:ss 00:07:30:00
 Time constant (seconds) 10
 Log Interval (mm:ss): 15:00
 Number of points: 30
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.023
	Minimum:	0.016
	Time of Minimum:	10:20:17
	Date of Minimum:	3/5/2012
	Maximum:	0.042
	Time of Maximum:	10:50:17
	Date of Maximum:	3/5/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/5/2012	8:05:17	0.023
3/5/2012	8:20:17	0.02
3/5/2012	8:35:17	0.021
3/5/2012	8:50:17	0.017
3/5/2012	9:05:17	0.023
3/5/2012	9:20:17	0.023
3/5/2012	9:35:17	0.025
3/5/2012	9:50:17	0.017
3/5/2012	10:05:17	0.018
3/5/2012	10:20:17	0.016
3/5/2012	10:35:17	0.024
3/5/2012	10:50:17	0.042
3/5/2012	11:05:17	0.029
3/5/2012	11:20:17	0.023
3/5/2012	11:35:17	0.023
3/5/2012	11:50:17	0.027
3/5/2012	12:05:17	0.02
3/5/2012	12:20:17	0.021

3/5/2012	12:35:17	0.019
3/5/2012	12:50:17	0.017
3/5/2012	13:05:17	0.017
3/5/2012	13:20:17	0.023
3/5/2012	13:35:17	0.029
3/5/2012	13:50:17	0.033
3/5/2012	14:05:17	0.019
3/5/2012	14:20:17	0.02
3/5/2012	14:35:17	0.026
3/5/2012	14:50:17	0.041
3/5/2012	15:05:17	0.023
3/5/2012	15:20:17	0.022

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000671

Data Points: 29 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/05/2012 07:13

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/5/2012 8:02	0		0		0
2	3/5/2012 8:17	0		0		0
3	3/5/2012 8:32	0		0		0
4	3/5/2012 8:47	0		0		0
5	3/5/2012 9:02	0		0		0
6	3/5/2012 9:17	0		0		0
7	3/5/2012 9:32	0		0		0
8	3/5/2012 9:47	0		0		0
9	3/5/2012 10:02	0		0		0
10	3/5/2012 10:17	0		0		0
11	3/5/2012 10:32	0		0		0
12	3/5/2012 10:47	0		0		0
13	3/5/2012 11:02	0		0		0
14	3/5/2012 11:17	0		0		0
15	3/5/2012 11:32	0		0		0
16	3/5/2012 11:47	0		0		0
17	3/5/2012 12:02	0		0		0
18	3/5/2012 12:17	0		0		0
19	3/5/2012 12:32	0		0		0
20	3/5/2012 12:47	0		0		0
21	3/5/2012 13:02	0		0		0
22	3/5/2012 13:17	0		0		0
23	3/5/2012 13:32	0		0		0
24	3/5/2012 13:47	0		0		0
25	3/5/2012 14:02	0		0		0
26	3/5/2012 14:17	0		0		0
27	3/5/2012 14:32	0		0		0
28	3/5/2012 14:47	0		0		0
29	3/5/2012 15:02	0		0		0

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 19
 Test Abbreviation:
 Start Date: 3/6/2012
 Start Time: 7:48:48
 Duration (dd:hh:mm:ss) 00:09:00:00
 Time constant (seconds) 10
 Log Interval (mm:ss): 15:00
 Number of points: 36
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.02
	Minimum:	0.011
	Time of Minimum:	15:33:48
	Date of Minimum:	3/6/2012
	Maximum:	0.05
	Time of Maximum:	8:03:48
	Date of Maximum:	3/6/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/6/2012	8:03:48	0.05
3/6/2012	8:18:48	0.041
3/6/2012	8:33:48	0.029
3/6/2012	8:48:48	0.03
3/6/2012	9:03:48	0.041
3/6/2012	9:18:48	0.036
3/6/2012	9:33:48	0.03
3/6/2012	9:48:48	0.024
3/6/2012	10:03:48	0.02
3/6/2012	10:18:48	0.02
3/6/2012	10:33:48	0.018
3/6/2012	10:48:48	0.018
3/6/2012	11:03:48	0.017
3/6/2012	11:18:48	0.016
3/6/2012	11:33:48	0.017
3/6/2012	11:48:48	0.019
3/6/2012	12:03:48	0.017
3/6/2012	12:18:48	0.015

3/6/2012	12:33:48	0.013
3/6/2012	12:48:48	0.013
3/6/2012	13:03:48	0.013
3/6/2012	13:18:48	0.018
3/6/2012	13:33:48	0.016
3/6/2012	13:48:48	0.014
3/6/2012	14:03:48	0.013
3/6/2012	14:18:48	0.015
3/6/2012	14:33:48	0.016
3/6/2012	14:48:48	0.014
3/6/2012	15:03:48	0.015
3/6/2012	15:18:48	0.013
3/6/2012	15:33:48	0.011
3/6/2012	15:48:48	0.017
3/6/2012	16:03:48	0.015
3/6/2012	16:18:48	0.016
3/6/2012	16:33:48	0.014
3/6/2012	16:48:48	0.013

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000672

Data Points: 35 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/06/2012 07:38

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/6/2012 8:00	0		0		0
2	3/6/2012 8:15	0		0		0
3	3/6/2012 8:30	0		0		0
4	3/6/2012 8:45	0		0		0
5	3/6/2012 9:00	0		0		0
6	3/6/2012 9:15	0		0		0
7	3/6/2012 9:30	0		0		0
8	3/6/2012 9:45	0		0		0
9	3/6/2012 10:00	0		0		0
10	3/6/2012 10:15	0		0		0
11	3/6/2012 10:30	0		0		0
12	3/6/2012 10:45	0		0		0
13	3/6/2012 11:00	0		0		0
14	3/6/2012 11:15	0		0		0
15	3/6/2012 11:30	0		0		0
16	3/6/2012 11:45	0		0		0
17	3/6/2012 12:00	0		0		0
18	3/6/2012 12:15	0		0		0
19	3/6/2012 12:30	0		0		0
20	3/6/2012 12:45	0		0		0
21	3/6/2012 13:00	0		0		0
22	3/6/2012 13:15	0		0		0
23	3/6/2012 13:30	0		0		0
24	3/6/2012 13:45	0		0		0
25	3/6/2012 14:00	0		0		0
26	3/6/2012 14:15	0		0		0
27	3/6/2012 14:30	0		0		0
28	3/6/2012 14:45	0		0		0
29	3/6/2012 15:00	0		0		0
30	3/6/2012 15:15	0		0		0
31	3/6/2012 15:30	0		0		0
32	3/6/2012 15:45	0		0		0
33	3/6/2012 16:00	0		0		0
34	3/6/2012 16:15	0		0		0
35	3/6/2012 16:30	0		0		0

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 20
 Test Abbreviation:
 Start Date: 3/7/2012
 Start Time: 7:28:37
 Duration (dd:hh:mm:ss): 00:08:30:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 34
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.026
	Minimum:	0.017
	Time of Minimum:	12:28:37
	Date of Minimum:	3/7/2012
	Maximum:	0.065
	Time of Maximum:	7:43:37
	Date of Maximum:	3/7/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/7/2012	7:43:37	0.065
3/7/2012	7:58:37	0.052
3/7/2012	8:13:37	0.029
3/7/2012	8:28:37	0.031
3/7/2012	8:43:37	0.034
3/7/2012	8:58:37	0.052
3/7/2012	9:13:37	0.03
3/7/2012	9:28:37	0.027
3/7/2012	9:43:37	0.023
3/7/2012	9:58:37	0.042
3/7/2012	10:13:37	0.021
3/7/2012	10:28:37	0.021
3/7/2012	10:43:37	0.02
3/7/2012	10:58:37	0.021
3/7/2012	11:13:37	0.021
3/7/2012	11:28:37	0.021
3/7/2012	11:43:37	0.022
3/7/2012	11:58:37	0.022

3/7/2012	12:13:37	0.019
3/7/2012	12:28:37	0.017
3/7/2012	12:43:37	0.019
3/7/2012	12:58:37	0.017
3/7/2012	13:13:37	0.019
3/7/2012	13:28:37	0.022
3/7/2012	13:43:37	0.019
3/7/2012	13:58:37	0.017
3/7/2012	14:13:37	0.018
3/7/2012	14:28:37	0.055
3/7/2012	14:43:37	0.017
3/7/2012	14:58:37	0.018
3/7/2012	15:13:37	0.019
3/7/2012	15:28:37	0.025
3/7/2012	15:43:37	0.019
3/7/2012	15:58:37	0.018

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000674

Data Points: 33 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/07/2012 07:28

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	10	10	10
Low Alarm Levels:	5	5	5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm

1	3/7/2012 7:40	0		0		0	
2	3/7/2012 7:55	0		0		0	
3	3/7/2012 8:10	0		0		0	
4	3/7/2012 8:25	0		0		0	
5	3/7/2012 8:40	0		0		0	
6	3/7/2012 8:55	0		0		0	
7	3/7/2012 9:10	0		0		0	
8	3/7/2012 9:25	0		0		0	
9	3/7/2012 9:40	0		0		0	
10	3/7/2012 9:55	0		0		0	
11	3/7/2012 10:10	0		0		0	
12	3/7/2012 10:25	0		0		0	
13	3/7/2012 10:40	0		0		0	
14	3/7/2012 10:55	0		0		0	
15	3/7/2012 11:10	0		0		0	
16	3/7/2012 11:25	0		0		0	
17	3/7/2012 11:40	0		0		0	
18	3/7/2012 11:55	0		0		0	
19	3/7/2012 12:10	0		0		0	
20	3/7/2012 12:25	0		0		0	
21	3/7/2012 12:40	0		0		0	
22	3/7/2012 12:55	0		0		0	
23	3/7/2012 13:10	0		0		0	
24	3/7/2012 13:25	0		0		0	
25	3/7/2012 13:40	0		0		0	
26	3/7/2012 13:55	0		0		0	
27	3/7/2012 14:10	0		0		0	
28	3/7/2012 14:25	0		0		0	
29	3/7/2012 14:40	0		0		0	
30	3/7/2012 14:55	0		0		0	
31	3/7/2012 15:10	0		0		0	
32	3/7/2012 15:25	0		0		0	
33	3/7/2012 15:40	0		0		0	

=====

=====

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 21
 Test Abbreviation:
 Start Date: 3/8/2012
 Start Time: 7:35:17
 Duration (dd:hh:mm:ss): 00:08:00:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.033
	Minimum:	0.018
	Time of Minimum:	8:50:17
	Date of Minimum:	3/8/2012
	Maximum:	0.145
	Time of Maximum:	10:05:17
	Date of Maximum:	3/8/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/8/2012	7:50:17	0.051
3/8/2012	8:05:17	0.05
3/8/2012	8:20:17	0.034
3/8/2012	8:35:17	0.03
3/8/2012	8:50:17	0.018
3/8/2012	9:05:17	0.019
3/8/2012	9:20:17	0.032
3/8/2012	9:35:17	0.018
3/8/2012	9:50:17	0.02
3/8/2012	10:05:17	0.145
3/8/2012	10:20:17	0.021
3/8/2012	10:35:17	0.025
3/8/2012	10:50:17	0.03
3/8/2012	11:05:17	0.027
3/8/2012	11:20:17	0.03
3/8/2012	11:35:17	0.025
3/8/2012	11:50:17	0.025
3/8/2012	12:05:17	0.032

3/8/2012	12:20:17	0.033
3/8/2012	12:35:17	0.025
3/8/2012	12:50:17	0.036
3/8/2012	13:05:17	0.026
3/8/2012	13:20:17	0.022
3/8/2012	13:35:17	0.023
3/8/2012	13:50:17	0.025
3/8/2012	14:05:17	0.028
3/8/2012	14:20:17	0.03
3/8/2012	14:35:17	0.031
3/8/2012	14:50:17	0.032
3/8/2012	15:05:17	0.032
3/8/2012	15:20:17	0.033
3/8/2012	15:35:17	0.033

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000675

Data Points: 31 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/08/2012 07:26

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/8/2012 7:47	0		0		0
2	3/8/2012 8:02	0		0		0
3	3/8/2012 8:17	0		0		0
4	3/8/2012 8:32	0		0		0
5	3/8/2012 8:47	0		0		0
6	3/8/2012 9:02	0		0		0
7	3/8/2012 9:17	0		0		0
8	3/8/2012 9:32	0		0		0
9	3/8/2012 9:47	0		0		0
10	3/8/2012 10:02	0		0		0
11	3/8/2012 10:17	0		0		0
12	3/8/2012 10:32	0		0		0
13	3/8/2012 10:47	0		0		0
14	3/8/2012 11:02	0		0		0
15	3/8/2012 11:17	0		0		0
16	3/8/2012 11:32	0		0		0
17	3/8/2012 11:47	0		0		0
18	3/8/2012 12:02	0		0		0
19	3/8/2012 12:17	0		0		0
20	3/8/2012 12:32	0		0		0
21	3/8/2012 12:47	0		0		0
22	3/8/2012 13:02	0		0		0
23	3/8/2012 13:17	0		0		0
24	3/8/2012 13:32	0		0		0
25	3/8/2012 13:47	0		0		0
26	3/8/2012 14:02	0		0		0
27	3/8/2012 14:17	0		0		0
28	3/8/2012 14:32	0		0		0
29	3/8/2012 14:47	0		0		0
30	3/8/2012 15:02	0		0		0
31	3/8/2012 15:17	0		0		0

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 22
 Test Abbreviation:
 Start Date: 3/9/2012
 Start Time: 7:50:26
 Duration (dd:hh:mm:ss): 00:07:45:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 31
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.015
	Minimum:		0.011
	Time of Minimum:		8:05:26
	Date of Minimum:		3/9/2012
	Maximum:		0.02
	Time of Maximum:		10:50:26
	Date of Maximum:		3/9/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/9/2012	8:05:26	0.011	
3/9/2012	8:20:26	0.011	
3/9/2012	8:35:26	0.012	
3/9/2012	8:50:26	0.012	
3/9/2012	9:05:26	0.011	
3/9/2012	9:20:26	0.015	
3/9/2012	9:35:26	0.012	
3/9/2012	9:50:26	0.012	
3/9/2012	10:05:26	0.014	
3/9/2012	10:20:26	0.016	
3/9/2012	10:35:26	0.016	
3/9/2012	10:50:26	0.02	
3/9/2012	11:05:26	0.017	
3/9/2012	11:20:26	0.014	
3/9/2012	11:35:26	0.019	
3/9/2012	11:50:26	0.018	
3/9/2012	12:05:26	0.017	
3/9/2012	12:20:26	0.015	

3/9/2012	12:35:26	0.016
3/9/2012	12:50:26	0.015
3/9/2012	13:05:26	0.02
3/9/2012	13:20:26	0.019
3/9/2012	13:35:26	0.02
3/9/2012	13:50:26	0.019
3/9/2012	14:05:26	0.016
3/9/2012	14:20:26	0.012
3/9/2012	14:35:26	0.016
3/9/2012	14:50:26	0.016
3/9/2012	15:05:26	0.013
3/9/2012	15:20:26	0.013
3/9/2012	15:35:26	0.015

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902706
User ID: 00000001 Site ID: 00000676
Data Points: 30 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/09/2012 07:19

=====

Measurement Type:	Min(ppm)	Avg(ppm)
High Alarm Levels:	10	10
Low Alarm Levels:	5	5

=====

=====

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

=====

1	3/9/2012 8:02	0		0		0
2	3/9/2012 8:17	0		0		0
3	3/9/2012 8:32	0		0		0
4	3/9/2012 8:47	0		0		0
5	3/9/2012 9:02	0		0		0
6	3/9/2012 9:17	0		0		0
7	3/9/2012 9:32	0		0		0
8	3/9/2012 9:47	0		0		0
9	3/9/2012 10:02	0		0		0
10	3/9/2012 10:17	0		0		0
11	3/9/2012 10:32	0		0		0
12	3/9/2012 10:47	0		0		0
13	3/9/2012 11:02	0		0		0
14	3/9/2012 11:17	0		0		0
15	3/9/2012 11:32	0		0		0
16	3/9/2012 11:47	0		0		0
17	3/9/2012 12:02	0		0		0
18	3/9/2012 12:17	0		0		0
19	3/9/2012 12:32	0		0		0
20	3/9/2012 12:47	0		0		0
21	3/9/2012 13:02	0		0		0
22	3/9/2012 13:17	0		0		0
23	3/9/2012 13:32	0		0		0
24	3/9/2012 13:47	0		0		0
25	3/9/2012 14:02	0		0		0
26	3/9/2012 14:17	0		0		0
27	3/9/2012 14:32	0		0		0
28	3/9/2012 14:47	0		0		0
29	3/9/2012 15:02	0		0		0
30	3/9/2012 15:17	0		0		0

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 21
 Test Abbreviation:
 Start Date: 3/5/2012
 Start Time: 7:51:52
 Duration (dd:hh:mm:ss) 00:07:30:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 30
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.016
	Minimum:		0.011
	Time of Minimum:		10:06:52
	Date of Minimum:		3/5/2012
	Maximum:		0.029
	Time of Maximum:		15:06:52
	Date of Maximum:		3/5/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/5/2012	8:06:52	0.019	
3/5/2012	8:21:52	0.014	
3/5/2012	8:36:52	0.012	
3/5/2012	8:51:52	0.014	
3/5/2012	9:06:52	0.016	
3/5/2012	9:21:52	0.025	
3/5/2012	9:36:52	0.015	
3/5/2012	9:51:52	0.012	
3/5/2012	10:06:52	0.011	
3/5/2012	10:21:52	0.014	
3/5/2012	10:36:52	0.014	
3/5/2012	10:51:52	0.012	
3/5/2012	11:06:52	0.018	
3/5/2012	11:21:52	0.013	
3/5/2012	11:36:52	0.012	
3/5/2012	11:51:52	0.013	
3/5/2012	12:06:52	0.013	
3/5/2012	12:21:52	0.014	

3/5/2012	12:36:52	0.017
3/5/2012	12:51:52	0.017
3/5/2012	13:06:52	0.011
3/5/2012	13:21:52	0.022
3/5/2012	13:36:52	0.015
3/5/2012	13:51:52	0.019
3/5/2012	14:06:52	0.017
3/5/2012	14:21:52	0.018
3/5/2012	14:36:52	0.015
3/5/2012	14:51:52	0.018
3/5/2012	15:06:52	0.029
3/5/2012	15:21:52	0.025

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001026
Data Points: 29 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/05/2012 07:24

=====

Measurement Type:	Min(ppm)	Avg(ppm)
High Alarm Levels:	5	5
Low Alarm Levels:	2.5	2.5

=====

=====

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

=====

1	3/5/2012 8:03	0		0		0.1
2	3/5/2012 8:18	0		0		0.1
3	3/5/2012 8:33	0		0		0.1
4	3/5/2012 8:48	0		0		0.1
5	3/5/2012 9:03	0		0		0.3
6	3/5/2012 9:18	0		0		0.3
7	3/5/2012 9:33	0		0		0.3
8	3/5/2012 9:48	0		0		0.3
9	3/5/2012 10:03	0		0		0.4
10	3/5/2012 10:18	0		0		0.3
11	3/5/2012 10:33	0		0		0.7
12	3/5/2012 10:48	0		0		0.6
13	3/5/2012 11:03	0		0		0.9
14	3/5/2012 11:18	0		0		0.5
15	3/5/2012 11:33	0		0		0.4
16	3/5/2012 11:48	0		0		0.5
17	3/5/2012 12:03	0		0		0.6
18	3/5/2012 12:18	0		0		0.4
19	3/5/2012 12:33	0		0		0.6
20	3/5/2012 12:48	0		0		0.5
21	3/5/2012 13:03	0		0		0.6
22	3/5/2012 13:18	0		0		0.6
23	3/5/2012 13:33	0		0		0.6
24	3/5/2012 13:48	0		0		0.6
25	3/5/2012 14:03	0		0		0.6
26	3/5/2012 14:18	0		0		0.8
27	3/5/2012 14:33	0		0		0.7
28	3/5/2012 14:48	0		0		0.5
29	3/5/2012 15:03	0		0		0.6

=====

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 22
 Test Abbreviation:
 Start Date: 3/6/2012
 Start Time: 7:49:32
 Duration (dd:hh:mm:ss): 00:09:00:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 36
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.017
	Minimum:	0.01
	Time of Minimum:	15:34:32
	Date of Minimum:	3/6/2012
	Maximum:	0.048
	Time of Maximum:	8:04:32
	Date of Maximum:	3/6/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/6/2012	8:04:32	0.048
3/6/2012	8:19:32	0.029
3/6/2012	8:34:32	0.024
3/6/2012	8:49:32	0.027
3/6/2012	9:04:32	0.028
3/6/2012	9:19:32	0.033
3/6/2012	9:34:32	0.024
3/6/2012	9:49:32	0.019
3/6/2012	10:04:32	0.016
3/6/2012	10:19:32	0.015
3/6/2012	10:34:32	0.014
3/6/2012	10:49:32	0.013
3/6/2012	11:04:32	0.014
3/6/2012	11:19:32	0.013
3/6/2012	11:34:32	0.013
3/6/2012	11:49:32	0.02
3/6/2012	12:04:32	0.014
3/6/2012	12:19:32	0.013

3/6/2012	12:34:32	0.011
3/6/2012	12:49:32	0.011
3/6/2012	13:04:32	0.011
3/6/2012	13:19:32	0.016
3/6/2012	13:34:32	0.013
3/6/2012	13:49:32	0.011
3/6/2012	14:04:32	0.012
3/6/2012	14:19:32	0.012
3/6/2012	14:34:32	0.018
3/6/2012	14:49:32	0.012
3/6/2012	15:04:32	0.011
3/6/2012	15:19:32	0.011
3/6/2012	15:34:32	0.01
3/6/2012	15:49:32	0.015
3/6/2012	16:04:32	0.013
3/6/2012	16:19:32	0.015
3/6/2012	16:34:32	0.011
3/6/2012	16:49:32	0.01

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001029

Data Points: 35 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/06/2012 07:31

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/6/2012 8:00	0		0		0
2	3/6/2012 8:15	0		0		0
3	3/6/2012 8:30	0		0		0
4	3/6/2012 8:45	0		0		0
5	3/6/2012 9:00	0		0		0
6	3/6/2012 9:15	0		0		0
7	3/6/2012 9:30	0		0		0
8	3/6/2012 9:45	0		0		0
9	3/6/2012 10:00	0		0		0
10	3/6/2012 10:15	0		0		0
11	3/6/2012 10:30	0		0		0
12	3/6/2012 10:45	0		0		0
13	3/6/2012 11:00	0		0		0
14	3/6/2012 11:15	0		0		0
15	3/6/2012 11:30	0		0		0
16	3/6/2012 11:45	0		0		0
17	3/6/2012 12:00	0		0		0
18	3/6/2012 12:15	0		0		0
19	3/6/2012 12:30	0		0		0
20	3/6/2012 12:45	0		0		0
21	3/6/2012 13:00	0		0		0
22	3/6/2012 13:15	0		0		0
23	3/6/2012 13:30	0		0		0
24	3/6/2012 13:45	0		0		0
25	3/6/2012 14:00	0		0		0
26	3/6/2012 14:15	0		0		0
27	3/6/2012 14:30	0		0		0
28	3/6/2012 14:45	0		0		0
29	3/6/2012 15:00	0		0		0
30	3/6/2012 15:15	0		0		0
31	3/6/2012 15:30	0		0		0
32	3/6/2012 15:45	0		0		0
33	3/6/2012 16:00	0		0		0
34	3/6/2012 16:15	0		0		0
35	3/6/2012 16:30	0		0		0

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 23
 Test Abbreviation:
 Start Date: 3/7/2012
 Start Time: 7:29:50
 Duration (dd:hh:mm:ss) 00:08:15:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 33
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.023
	Minimum:	0.017
	Time of Minimum:	10:14:50
	Date of Minimum:	3/7/2012
	Maximum:	0.048
	Time of Maximum:	7:44:50
	Date of Maximum:	3/7/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/7/2012	7:44:50	0.048
3/7/2012	7:59:50	0.033
3/7/2012	8:14:50	0.024
3/7/2012	8:29:50	0.024
3/7/2012	8:44:50	0.026
3/7/2012	8:59:50	0.033
3/7/2012	9:14:50	0.023
3/7/2012	9:29:50	0.021
3/7/2012	9:44:50	0.018
3/7/2012	9:59:50	0.031
3/7/2012	10:14:50	0.017
3/7/2012	10:29:50	0.017
3/7/2012	10:44:50	0.017
3/7/2012	10:59:50	0.018
3/7/2012	11:14:50	0.019
3/7/2012	11:29:50	0.02
3/7/2012	11:44:50	0.022
3/7/2012	11:59:50	0.02

3/7/2012	12:14:50	0.018
3/7/2012	12:29:50	0.017
3/7/2012	12:44:50	0.019
3/7/2012	12:59:50	0.018
3/7/2012	13:14:50	0.03
3/7/2012	13:29:50	0.022
3/7/2012	13:44:50	0.019
3/7/2012	13:59:50	0.018
3/7/2012	14:14:50	0.019
3/7/2012	14:29:50	0.045
3/7/2012	14:44:50	0.019
3/7/2012	14:59:50	0.02
3/7/2012	15:14:50	0.02
3/7/2012	15:29:50	0.024
3/7/2012	15:44:50	0.021

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001031

Data Points: 32 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/07/2012 07:18

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#

Date Time

Min(ppm) Alarm

Avg(ppm) Alarm

Max(ppm)

1	3/7/2012 7:40	0	0	0
2	3/7/2012 7:55	0	0	0
3	3/7/2012 8:10	0	0	0
4	3/7/2012 8:25	0	0	0
5	3/7/2012 8:40	0	0	0
6	3/7/2012 8:55	0	0	0
7	3/7/2012 9:10	0	0	0
8	3/7/2012 9:25	0	0	0
9	3/7/2012 9:40	0	0	0
10	3/7/2012 9:55	0	0	0
11	3/7/2012 10:10	0	0	0
12	3/7/2012 10:25	0	0	0
13	3/7/2012 10:40	0	0	0
14	3/7/2012 10:55	0	0	0
15	3/7/2012 11:10	0	0	0
16	3/7/2012 11:25	0	0	0
17	3/7/2012 11:40	0	0	0
18	3/7/2012 11:55	0	0	0
19	3/7/2012 12:10	0	0	0
20	3/7/2012 12:25	0	0	0
21	3/7/2012 12:40	0	0	0
22	3/7/2012 12:55	0	0	0
23	3/7/2012 13:10	0	0	0
24	3/7/2012 13:25	0	0	0
25	3/7/2012 13:40	0	0	0
26	3/7/2012 13:55	0	0	0
27	3/7/2012 14:10	0	0	0
28	3/7/2012 14:25	0	0	0
29	3/7/2012 14:40	0	0	0
30	3/7/2012 14:55	0	0	0
31	3/7/2012 15:10	0	0	0
32	3/7/2012 15:25	0	0	0

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 24
 Test Abbreviation:
 Start Date: 3/8/2012
 Start Time: 7:33:58
 Duration (dd:hh:mm:ss): 00:08:00:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.028
	Minimum:	0.017
	Time of Minimum:	9:03:58
	Date of Minimum:	3/8/2012
	Maximum:	0.056
	Time of Maximum:	10:03:58
	Date of Maximum:	3/8/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/8/2012	7:48:58	0.052
3/8/2012	8:03:58	0.045
3/8/2012	8:18:58	0.035
3/8/2012	8:33:58	0.027
3/8/2012	8:48:58	0.018
3/8/2012	9:03:58	0.017
3/8/2012	9:18:58	0.024
3/8/2012	9:33:58	0.024
3/8/2012	9:48:58	0.019
3/8/2012	10:03:58	0.056
3/8/2012	10:18:58	0.021
3/8/2012	10:33:58	0.023
3/8/2012	10:48:58	0.027
3/8/2012	11:03:58	0.025
3/8/2012	11:18:58	0.029
3/8/2012	11:33:58	0.025
3/8/2012	11:48:58	0.024
3/8/2012	12:03:58	0.03

3/8/2012	12:18:58	0.031
3/8/2012	12:33:58	0.027
3/8/2012	12:48:58	0.037
3/8/2012	13:03:58	0.025
3/8/2012	13:18:58	0.021
3/8/2012	13:33:58	0.021
3/8/2012	13:48:58	0.023
3/8/2012	14:03:58	0.026
3/8/2012	14:18:58	0.027
3/8/2012	14:33:58	0.028
3/8/2012	14:48:58	0.028
3/8/2012	15:03:58	0.029
3/8/2012	15:18:58	0.029
3/8/2012	15:33:58	0.029

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001033
Data Points: 31 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/08/2012 07:29

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:           5                 5                 5
Low Alarm Levels:            2.5              2.5              2.5
=====
```

```
=====
Line#   Date Time   Min(ppm) Alarm   Avg(ppm) Alarm   Max(ppm) Alarm
=====
```

1	3/8/2012 7:45	0		0		0	
2	3/8/2012 8:00	0		0		0	
3	3/8/2012 8:15	0		0		0	
4	3/8/2012 8:30	0		0		0	
5	3/8/2012 8:45	0		0		0	
6	3/8/2012 9:00	0		0		0	
7	3/8/2012 9:15	0		0		0	
8	3/8/2012 9:30	0		0		0	
9	3/8/2012 9:45	0		0		0	
10	3/8/2012 10:00	0		0		0	
11	3/8/2012 10:15	0		0		0	
12	3/8/2012 10:30	0		0		0	
13	3/8/2012 10:45	0		0		0	
14	3/8/2012 11:00	0		0		0	
15	3/8/2012 11:15	0		0		0	
16	3/8/2012 11:30	0		0		0	
17	3/8/2012 11:45	0		0		0	
18	3/8/2012 12:00	0		0		0	
19	3/8/2012 12:15	0		0		0	
20	3/8/2012 12:30	0		0		0	
21	3/8/2012 12:45	0		0		0	
22	3/8/2012 13:00	0		0		0	
23	3/8/2012 13:15	0		0		0	
24	3/8/2012 13:30	0		0		0	
25	3/8/2012 13:45	0		0		0	
26	3/8/2012 14:00	0		0		0	
27	3/8/2012 14:15	0		0		0	
28	3/8/2012 14:30	0		0		0	
29	3/8/2012 14:45	0		0		0	
30	3/8/2012 15:00	0		0		0	
31	3/8/2012 15:15	0		0		0	

```
=====
```

=====

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TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 25
 Test Abbreviation:
 Start Date: 3/9/2012
 Start Time: 7:51:49
 Duration (dd:hh:mm) 00:07:30:00
 Time constant (sec) 1
 Log Interval (mm:ss) 15:00
 Number of points: 30
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.011
	Minimum:	0.007
	Time of Minimum:	9:21:49
	Date of Minimum:	3/9/2012
	Maximum:	0.016
	Time of Maximum:	13:51:49
	Date of Maximum:	3/9/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/9/2012	8:06:49	0.01
3/9/2012	8:21:49	0.009
3/9/2012	8:36:49	0.009
3/9/2012	8:51:49	0.008
3/9/2012	9:06:49	0.008
3/9/2012	9:21:49	0.007
3/9/2012	9:36:49	0.009
3/9/2012	9:51:49	0.01
3/9/2012	10:06:49	0.009
3/9/2012	10:21:49	0.01
3/9/2012	10:36:49	0.011
3/9/2012	10:51:49	0.011
3/9/2012	11:06:49	0.013
3/9/2012	11:21:49	0.011
3/9/2012	11:36:49	0.013
3/9/2012	11:51:49	0.014
3/9/2012	12:06:49	0.012
3/9/2012	12:21:49	0.011

3/9/2012	12:36:49	0.011
3/9/2012	12:51:49	0.012
3/9/2012	13:06:49	0.014
3/9/2012	13:21:49	0.015
3/9/2012	13:36:49	0.014
3/9/2012	13:51:49	0.016
3/9/2012	14:06:49	0.013
3/9/2012	14:21:49	0.01
3/9/2012	14:36:49	0.011
3/9/2012	14:51:49	0.01
3/9/2012	15:06:49	0.009
3/9/2012	15:21:49	0.009

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001034
Data Points: 29 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/09/2012 07:36

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:           5               5               5
Low Alarm Levels:            2.5             2.5             2.5
=====
```

```
=====
Line#   Date Time   Min(ppm) Alarm   Avg(ppm) Alarm   Max(ppm) Alarm
=====
```

1	3/9/2012 8:02	0		0		0	
2	3/9/2012 8:17	0		0		0	
3	3/9/2012 8:32	0		0		0	
4	3/9/2012 8:47	0		0		0	
5	3/9/2012 9:02	0		0		0	
6	3/9/2012 9:17	0		0		0	
7	3/9/2012 9:32	0		0		0	
8	3/9/2012 9:47	0		0		0	
9	3/9/2012 10:02	0		0		0	
10	3/9/2012 10:17	0		0		0	
11	3/9/2012 10:32	0		0		0	
12	3/9/2012 10:47	0		0		0	
13	3/9/2012 11:02	0		0		0	
14	3/9/2012 11:17	0		0		0	
15	3/9/2012 11:32	0		0		0	
16	3/9/2012 11:47	0		0		0	
17	3/9/2012 12:02	0		0		0	
18	3/9/2012 12:17	0		0		0	
19	3/9/2012 12:32	0		0		0	
20	3/9/2012 12:47	0		0		0	
21	3/9/2012 13:02	0		0		0	
22	3/9/2012 13:17	0		0		0	
23	3/9/2012 13:32	0		0		0	
24	3/9/2012 13:47	0		0		0	
25	3/9/2012 14:02	0		0		0	
26	3/9/2012 14:17	0		0		0	
27	3/9/2012 14:32	0		0		0	
28	3/9/2012 14:47	0		0		0	
29	3/9/2012 15:02	0		0		0	

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TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 3
 Test Abbreviation:
 Start Date: 3/5/2012
 Start Time: 7:50:18
 Duration (dd:hh:mm:ss): 00:07:45:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 31
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.016
	Minimum:		0.01
	Time of Minimum:		10:20:18
	Date of Minimum:		3/5/2012
	Maximum:		0.023
	Time of Maximum:		13:50:18
	Date of Maximum:		3/5/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/5/2012	8:05:18	0.019	
3/5/2012	8:20:18	0.016	
3/5/2012	8:35:18	0.016	
3/5/2012	8:50:18	0.015	
3/5/2012	9:05:18	0.017	
3/5/2012	9:20:18	0.015	
3/5/2012	9:35:18	0.02	
3/5/2012	9:50:18	0.011	
3/5/2012	10:05:18	0.013	
3/5/2012	10:20:18	0.01	
3/5/2012	10:35:18	0.011	
3/5/2012	10:50:18	0.013	
3/5/2012	11:05:18	0.015	
3/5/2012	11:20:18	0.013	
3/5/2012	11:35:18	0.017	
3/5/2012	11:50:18	0.013	
3/5/2012	12:05:18	0.013	
3/5/2012	12:20:18	0.014	

3/5/2012	12:35:18	0.013
3/5/2012	12:50:18	0.022
3/5/2012	13:05:18	0.021
3/5/2012	13:20:18	0.019
3/5/2012	13:35:18	0.017
3/5/2012	13:50:18	0.023
3/5/2012	14:05:18	0.017
3/5/2012	14:20:18	0.02
3/5/2012	14:35:18	0.021
3/5/2012	14:50:18	0.019
3/5/2012	15:05:18	0.014
3/5/2012	15:20:18	0.018
3/5/2012	15:35:18	0.017

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000012

Data Points: 30 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/05/2012 07:23

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#

Date Time

Min(ppm) Alarm

Avg(ppm) Alarm

Max(ppm)

1	3/5/2012 7:57	0	0	0
2	3/5/2012 8:12	0	0	0.4
3	3/5/2012 8:27	0	0	0.4
4	3/5/2012 8:42	0	0	0.1
5	3/5/2012 8:57	0	0	0.1
6	3/5/2012 9:12	0	0	0.1
7	3/5/2012 9:27	0	0	0.1
8	3/5/2012 9:42	0	0	0.1
9	3/5/2012 9:57	0	0	0.2
10	3/5/2012 10:12	0	0	0.1
11	3/5/2012 10:27	0	0	0.2
12	3/5/2012 10:42	0	0	0.2
13	3/5/2012 10:57	0	0	0.1
14	3/5/2012 11:12	0	0	0.1
15	3/5/2012 11:27	0	0	0.1
16	3/5/2012 11:42	0	0	0.2
17	3/5/2012 11:57	0	0	0.2
18	3/5/2012 12:12	0	0	0.2
19	3/5/2012 12:27	0	0	0.2
20	3/5/2012 12:42	0.1	0.1	0.2
21	3/5/2012 12:57	0.1	0.1	0.2
22	3/5/2012 13:12	0.1	0.1	0.2
23	3/5/2012 13:27	0.1	0.1	0.2
24	3/5/2012 13:42	0.1	0.1	0.2
25	3/5/2012 13:57	0.1	0.1	0.2
26	3/5/2012 14:12	0.1	0.1	0.2
27	3/5/2012 14:27	0.1	0.1	0.6
28	3/5/2012 14:42	0.1	0.1	0.2
29	3/5/2012 14:57	0.1	0.1	0.2
30	3/5/2012 15:12	0.1	0.1	0.2

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 4
 Test Abbreviation:
 Start Date: 3/6/2012
 Start Time: 7:49:04
 Duration (dd:hh:mm:ss): 00:09:00:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 36
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.017
	Minimum:		0.008
	Time of Minimum:		16:34:04
	Date of Minimum:		3/6/2012
	Maximum:		0.037
	Time of Maximum:		8:04:04
	Date of Maximum:		3/6/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/6/2012	8:04:04		0.037
3/6/2012	8:19:04		0.032
3/6/2012	8:34:04		0.028
3/6/2012	8:49:04		0.027
3/6/2012	9:04:04		0.029
3/6/2012	9:19:04		0.034
3/6/2012	9:34:04		0.027
3/6/2012	9:49:04		0.02
3/6/2012	10:04:04		0.013
3/6/2012	10:19:04		0.023
3/6/2012	10:34:04		0.018
3/6/2012	10:49:04		0.012
3/6/2012	11:04:04		0.017
3/6/2012	11:19:04		0.026
3/6/2012	11:34:04		0.015
3/6/2012	11:49:04		0.013
3/6/2012	12:04:04		0.014
3/6/2012	12:19:04		0.011

3/6/2012	12:34:04	0.011
3/6/2012	12:49:04	0.01
3/6/2012	13:04:04	0.011
3/6/2012	13:19:04	0.011
3/6/2012	13:34:04	0.017
3/6/2012	13:49:04	0.011
3/6/2012	14:04:04	0.01
3/6/2012	14:19:04	0.013
3/6/2012	14:34:04	0.01
3/6/2012	14:49:04	0.012
3/6/2012	15:04:04	0.01
3/6/2012	15:19:04	0.009
3/6/2012	15:34:04	0.012
3/6/2012	15:49:04	0.028
3/6/2012	16:04:04	0.01
3/6/2012	16:19:04	0.01
3/6/2012	16:34:04	0.008
3/6/2012	16:49:04	0.009

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000013

Data Points: 35 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/06/2012 07:34

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

1	3/6/2012 7:55	0		0		0
2	3/6/2012 8:10	0		0		0
3	3/6/2012 8:25	0		0		0.1
4	3/6/2012 8:40	0.1		0.1		0.1
5	3/6/2012 8:55	0.1		0.1		0.2
6	3/6/2012 9:10	0.1		0.1		0.2
7	3/6/2012 9:25	0.1		0.1		0.2
8	3/6/2012 9:40	0.1		0.1		0.2
9	3/6/2012 9:55	0.1		0.1		0.1
10	3/6/2012 10:10	0.1		0.1		0.2
11	3/6/2012 10:25	0.1		0.1		0.1
12	3/6/2012 10:40	0.1		0.1		0.3
13	3/6/2012 10:55	0.1		0.1		0.3
14	3/6/2012 11:10	0.1		0.1		0.3
15	3/6/2012 11:25	0.1		0.1		0.2
16	3/6/2012 11:40	0.1		0.1		0.8
17	3/6/2012 11:55	0.1		0.1		0.3
18	3/6/2012 12:10	0.2		0.2		0.2
19	3/6/2012 12:25	0.2		0.2		0.3
20	3/6/2012 12:40	0.2		0.2		0.3
21	3/6/2012 12:55	0.2		0.2		0.3
22	3/6/2012 13:10	0.2		0.2		0.3
23	3/6/2012 13:25	0.2		0.2		0.3
24	3/6/2012 13:40	0.2		0.2		0.4
25	3/6/2012 13:55	0.2		0.2		0.3
26	3/6/2012 14:10	0.2		0.2		0.3
27	3/6/2012 14:25	0.2		0.2		0.3
28	3/6/2012 14:40	0.2		0.2		0.3
29	3/6/2012 14:55	0.2		0.2		0.3
30	3/6/2012 15:10	0.2		0.2		0.3
31	3/6/2012 15:25	0.2		0.2		0.4
32	3/6/2012 15:40	0.2		0.2		0.3
33	3/6/2012 15:55	0.2		0.2		0.3
34	3/6/2012 16:10	0.2		0.2		0.3
35	3/6/2012 16:25	0.2		0.2		0.3

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 5
 Test Abbreviation:
 Start Date: 3/7/2012
 Start Time: 7:29:53
 Duration (dd:hh:mm:ss 00:08:30:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 34
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.025
	Minimum:		0.017
	Time of Minimum:		9:44:53
	Date of Minimum:		3/7/2012
	Maximum:		0.042
	Time of Maximum:		15:44:53
	Date of Maximum:		3/7/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m ³	
3/7/2012	7:44:53	0.028	
3/7/2012	7:59:53	0.026	
3/7/2012	8:14:53	0.027	
3/7/2012	8:29:53	0.028	
3/7/2012	8:44:53	0.027	
3/7/2012	8:59:53	0.027	
3/7/2012	9:14:53	0.026	
3/7/2012	9:29:53	0.022	
3/7/2012	9:44:53	0.017	
3/7/2012	9:59:53	0.021	
3/7/2012	10:14:53	0.017	
3/7/2012	10:29:53	0.019	
3/7/2012	10:44:53	0.019	
3/7/2012	10:59:53	0.02	
3/7/2012	11:14:53	0.032	
3/7/2012	11:29:53	0.035	
3/7/2012	11:44:53	0.02	
3/7/2012	11:59:53	0.025	

3/7/2012	12:14:53	0.021
3/7/2012	12:29:53	0.034
3/7/2012	12:44:53	0.023
3/7/2012	12:59:53	0.02
3/7/2012	13:14:53	0.02
3/7/2012	13:29:53	0.02
3/7/2012	13:44:53	0.019
3/7/2012	13:59:53	0.019
3/7/2012	14:14:53	0.02
3/7/2012	14:29:53	0.019
3/7/2012	14:44:53	0.027
3/7/2012	14:59:53	0.03
3/7/2012	15:14:53	0.031
3/7/2012	15:29:53	0.031
3/7/2012	15:44:53	0.042
3/7/2012	15:59:53	0.023

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000014

Data Points: 33 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/07/2012 07:19

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/7/2012 7:36	0		0		0
2	3/7/2012 7:51	0		0		0.1
3	3/7/2012 8:06	0		0		0.1
4	3/7/2012 8:21	0.1		0.1		0.1
5	3/7/2012 8:36	0.1		0.1		0.1
6	3/7/2012 8:51	0.1		0.1		0.2
7	3/7/2012 9:06	0.1		0.1		0.3
8	3/7/2012 9:21	0.2		0.2		0.3
9	3/7/2012 9:36	0.2		0.2		0.4
10	3/7/2012 9:51	0.2		0.2		0.4
11	3/7/2012 10:06	0.2		0.2		0.5
12	3/7/2012 10:21	0.2		0.2		0.4
13	3/7/2012 10:36	0.2		0.2		0.4
14	3/7/2012 10:51	0.2		0.2		0.4
15	3/7/2012 11:06	0.2		0.3		0.4
16	3/7/2012 11:21	0.3		0.3		0.5
17	3/7/2012 11:36	0.2		0.3		0.5
18	3/7/2012 11:51	0.3		0.3		0.8
19	3/7/2012 12:06	0.3		0.4		0.6
20	3/7/2012 12:21	0.3		0.4		0.6
21	3/7/2012 12:36	0.3		0.3		0.6
22	3/7/2012 12:51	0.3		0.4		0.6
23	3/7/2012 13:06	0.3		0.4		0.7
24	3/7/2012 13:21	0.3		0.4		0.7
25	3/7/2012 13:36	0.3		0.4		0.7
26	3/7/2012 13:51	0.4		0.4		0.8
27	3/7/2012 14:06	0.4		0.4		0.6
28	3/7/2012 14:21	0.3		0.4		0.6
29	3/7/2012 14:36	0.4		0.4		0.6
30	3/7/2012 14:51	0.4		0.4		0.7
31	3/7/2012 15:06	0.4		0.4		0.6
32	3/7/2012 15:21	0.4		0.4		0.6
33	3/7/2012 15:36	0.3		0.4		0.6

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 6
 Test Abbreviation:
 Start Date: 3/8/2012
 Start Time: 7:35:18
 Duration (dd:hh:mm:ss) 00:08:00:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.032
	Minimum:		0.019
	Time of Minimum:		8:50:18
	Date of Minimum:		3/8/2012
	Maximum:		0.073
	Time of Maximum:		9:20:18
	Date of Maximum:		3/8/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/8/2012	7:50:18	0.021	
3/8/2012	8:05:18	0.02	
3/8/2012	8:20:18	0.02	
3/8/2012	8:35:18	0.026	
3/8/2012	8:50:18	0.019	
3/8/2012	9:05:18	0.036	
3/8/2012	9:20:18	0.073	
3/8/2012	9:35:18	0.029	
3/8/2012	9:50:18	0.034	
3/8/2012	10:05:18	0.061	
3/8/2012	10:20:18	0.029	
3/8/2012	10:35:18	0.03	
3/8/2012	10:50:18	0.034	
3/8/2012	11:05:18	0.026	
3/8/2012	11:20:18	0.033	
3/8/2012	11:35:18	0.047	
3/8/2012	11:50:18	0.041	
3/8/2012	12:05:18	0.032	

3/8/2012	12:20:18	0.026
3/8/2012	12:35:18	0.028
3/8/2012	12:50:18	0.038
3/8/2012	13:05:18	0.03
3/8/2012	13:20:18	0.023
3/8/2012	13:35:18	0.024
3/8/2012	13:50:18	0.025
3/8/2012	14:05:18	0.026
3/8/2012	14:20:18	0.029
3/8/2012	14:35:18	0.031
3/8/2012	14:50:18	0.031
3/8/2012	15:05:18	0.031
3/8/2012	15:20:18	0.031
3/8/2012	15:35:18	0.032

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000015

Data Points: 31 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/08/2012 07:16

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:           10                10                10
Low Alarm Levels:            5                 5                 5
=====
```

```
=====
Line#    Date Time    Min(ppm) Alarm    Avg(ppm) Alarm    Max(ppm) Alarm
=====
  1  3/8/2012 7:41      0                0                0.1
  2  3/8/2012 7:56      0                0                0.1
  3  3/8/2012 8:11      0                0.1              0.2
  4  3/8/2012 8:26     0.1              0.1              0.2
  5  3/8/2012 8:41     0.1              0.1              0.3
  6  3/8/2012 8:56     0.1              0.1              0.3
  7  3/8/2012 9:11     0.1              0.1              0.3
  8  3/8/2012 9:26     0.2              0.2              0.3
  9  3/8/2012 9:41     0.2              0.2              0.3
 10  3/8/2012 9:56     0.2              0.2              0.4
 11  3/8/2012 10:11    0.2              0.2              0.4
 12  3/8/2012 10:26    0.2              0.2              0.4
 13  3/8/2012 10:41    0.2              0.2              0.3
 14  3/8/2012 10:56    0.2              0.2              0.3
 15  3/8/2012 11:11    0.2              0.2              0.4
 16  3/8/2012 11:26    0.2              0.2              0.4
 17  3/8/2012 11:41    0.2              0.2              0.4
 18  3/8/2012 11:56    0.2              0.3              0.4
 19  3/8/2012 12:11    0.2              0.3              0.4
 20  3/8/2012 12:26    0.3              0.3              0.4
 21  3/8/2012 12:41    0.3              0.3              0.4
 22  3/8/2012 12:56    0.3              0.3              0.4
 23  3/8/2012 13:11    0.3              0.3              0.4
 24  3/8/2012 13:26    0.3              0.3              0.4
 25  3/8/2012 13:41    0.3              0.3              0.5
 26  3/8/2012 13:56    0.3              0.4              0.6
 27  3/8/2012 14:11    0.3              0.3              0.5
 28  3/8/2012 14:26    0.3              0.3              0.5
 29  3/8/2012 14:41    0.4              0.4              0.5
 30  3/8/2012 14:56    0.4              0.4              0.6
 31  3/8/2012 15:11    0.4              0.7              1.4
=====
```

=====

=====

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 7
 Test Abbreviation:
 Start Date: 3/9/2012
 Start Time: 7:44:55
 Duration (dd:hh:mm:ss): 00:07:45:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 31
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.019
	Minimum:		0.009
	Time of Minimum:		15:14:55
	Date of Minimum:		3/9/2012
	Maximum:		0.035
	Time of Maximum:		10:44:55
	Date of Maximum:		3/9/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/9/2012	7:59:55	0.013	
3/9/2012	8:14:55	0.013	
3/9/2012	8:29:55	0.012	
3/9/2012	8:44:55	0.015	
3/9/2012	8:59:55	0.015	
3/9/2012	9:14:55	0.015	
3/9/2012	9:29:55	0.02	
3/9/2012	9:44:55	0.021	
3/9/2012	9:59:55	0.02	
3/9/2012	10:14:55	0.025	
3/9/2012	10:29:55	0.025	
3/9/2012	10:44:55	0.035	
3/9/2012	10:59:55	0.025	
3/9/2012	11:14:55	0.021	
3/9/2012	11:29:55	0.029	
3/9/2012	11:44:55	0.025	
3/9/2012	11:59:55	0.028	
3/9/2012	12:14:55	0.033	

3/9/2012	12:29:55	0.015
3/9/2012	12:44:55	0.02
3/9/2012	12:59:55	0.018
3/9/2012	13:14:55	0.02
3/9/2012	13:29:55	0.021
3/9/2012	13:44:55	0.015
3/9/2012	13:59:55	0.015
3/9/2012	14:14:55	0.011
3/9/2012	14:29:55	0.01
3/9/2012	14:44:55	0.015
3/9/2012	14:59:55	0.012
3/9/2012	15:14:55	0.009
3/9/2012	15:29:55	0.011

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000016

Data Points: 30 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/09/2012 07:17

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#

Date Time

Min(ppm) Alarm

Avg(ppm) Alarm

Max(ppm)

1	3/9/2012 7:51	0	0	0
2	3/9/2012 8:06	0	0	0
3	3/9/2012 8:21	0	0	0
4	3/9/2012 8:36	0	0	0
5	3/9/2012 8:51	0	0	0
6	3/9/2012 9:06	0	0	0.1
7	3/9/2012 9:21	0	0	0.2
8	3/9/2012 9:36	0	0	0.1
9	3/9/2012 9:51	0	0	0.1
10	3/9/2012 10:06	0	0	0.2
11	3/9/2012 10:21	0	0	0.2
12	3/9/2012 10:36	0	0	0.1
13	3/9/2012 10:51	0	0	0.2
14	3/9/2012 11:06	0	0	0.1
15	3/9/2012 11:21	0.1	0.1	0.1
16	3/9/2012 11:36	0.1	0.1	0.2
17	3/9/2012 11:51	0.1	0.1	0.3
18	3/9/2012 12:06	0.1	0.1	0.1
19	3/9/2012 12:21	0.1	0.1	0.1
20	3/9/2012 12:36	0.1	0.1	0.1
21	3/9/2012 12:51	0.1	0.1	0.2
22	3/9/2012 13:06	0.1	0.1	0.2
23	3/9/2012 13:21	0.1	0.1	0.2
24	3/9/2012 13:36	0.1	0.1	0.2
25	3/9/2012 13:51	0.1	0.1	0.2
26	3/9/2012 14:06	0.1	0.1	0.1
27	3/9/2012 14:21	0.1	0.1	0.2
28	3/9/2012 14:36	0.1	0.1	0.2
29	3/9/2012 14:51	0.1	0.1	0.1
30	3/9/2012 15:06	0.1	0.1	0.1

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 23
 Test Abbreviation:
 Start Date: 3/12/2012
 Start Time: 7:02:50
 Duration (dd:hh:mm:ss): 00:07:45:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 31
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.028
	Minimum:	0.008
	Time of Minimum:	13:02:50
	Date of Minimum:	3/12/2012
	Maximum:	0.047
	Time of Maximum:	10:47:50
	Date of Maximum:	3/12/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m ³
3/12/2012	7:17:50	0.032
3/12/2012	7:32:50	0.03
3/12/2012	7:47:50	0.035
3/12/2012	8:02:50	0.039
3/12/2012	8:17:50	0.039
3/12/2012	8:32:50	0.036
3/12/2012	8:47:50	0.039
3/12/2012	9:02:50	0.038
3/12/2012	9:17:50	0.037
3/12/2012	9:32:50	0.039
3/12/2012	9:47:50	0.04
3/12/2012	10:02:50	0.039
3/12/2012	10:17:50	0.039
3/12/2012	10:32:50	0.037
3/12/2012	10:47:50	0.047
3/12/2012	11:02:50	0.036
3/12/2012	11:17:50	0.035
3/12/2012	11:32:50	0.031

3/12/2012	11:47:50	0.028
3/12/2012	12:02:50	0.033
3/12/2012	12:17:50	0.038
3/12/2012	12:32:50	0.022
3/12/2012	12:47:50	0.012
3/12/2012	13:02:50	0.008
3/12/2012	13:17:50	0.01
3/12/2012	13:32:50	0.01
3/12/2012	13:47:50	0.014
3/12/2012	14:02:50	0.01
3/12/2012	14:17:50	0.009
3/12/2012	14:32:50	0.01
3/12/2012	14:47:50	0.011

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000677

Data Points: 30 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/12/2012 06:55

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/12/2012 7:14	0		0		0
2	3/12/2012 7:29	0		0		0
3	3/12/2012 7:44	0		0		0
4	3/12/2012 7:59	0		0		0
5	3/12/2012 8:14	0		0		0
6	3/12/2012 8:29	0		0		0
7	3/12/2012 8:44	0		0		0
8	3/12/2012 8:59	0		0		0
9	3/12/2012 9:14	0		0		0
10	3/12/2012 9:29	0		0		0
11	3/12/2012 9:44	0		0		0
12	3/12/2012 9:59	0		0		0
13	3/12/2012 10:14	0		0		0
14	3/12/2012 10:29	0		0		0
15	3/12/2012 10:44	0		0		0
16	3/12/2012 10:59	0		0		0
17	3/12/2012 11:14	0		0		0
18	3/12/2012 11:29	0		0		0
19	3/12/2012 11:44	0		0		0
20	3/12/2012 11:59	0		0		0
21	3/12/2012 12:14	0		0		0
22	3/12/2012 12:29	0		0		0
23	3/12/2012 12:44	0		0		0
24	3/12/2012 12:59	0		0		0
25	3/12/2012 13:14	0		0		0
26	3/12/2012 13:29	0		0		0
27	3/12/2012 13:44	0		0		0
28	3/12/2012 13:59	0		0		0
29	3/12/2012 14:14	0		0		0
30	3/12/2012 14:29	0		0		0

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 24
 Test Abbreviation:
 Start Date: 3/13/2012
 Start Time: 7:31:44
 Duration (dd:hh:mm:ss): 00:09:00:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 36
 Notes:

Statistics Channel: Aerosol
 Units: mg/m³
 Average: 0.02
 Minimum: 0.011
 Time of Minimum: 14:46:44
 Date of Minimum: 3/13/2012
 Maximum: 0.03
 Time of Maximum: 7:46:44
 Date of Maximum: 3/13/2012

Calibration Sensor: Aerosol
 Cal. date 6/11/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m ³
3/13/2012	7:46:44	0.03
3/13/2012	8:01:44	0.027
3/13/2012	8:16:44	0.027
3/13/2012	8:31:44	0.023
3/13/2012	8:46:44	0.025
3/13/2012	9:01:44	0.024
3/13/2012	9:16:44	0.026
3/13/2012	9:31:44	0.025
3/13/2012	9:46:44	0.026
3/13/2012	10:01:44	0.026
3/13/2012	10:16:44	0.026
3/13/2012	10:31:44	0.027
3/13/2012	10:46:44	0.028
3/13/2012	11:01:44	0.022
3/13/2012	11:16:44	0.023
3/13/2012	11:31:44	0.024
3/13/2012	11:46:44	0.024
3/13/2012	12:01:44	0.022

3/13/2012	12:16:44	0.027
3/13/2012	12:31:44	0.022
3/13/2012	12:46:44	0.021
3/13/2012	13:01:44	0.02
3/13/2012	13:16:44	0.021
3/13/2012	13:31:44	0.019
3/13/2012	13:46:44	0.014
3/13/2012	14:01:44	0.012
3/13/2012	14:16:44	0.013
3/13/2012	14:31:44	0.012
3/13/2012	14:46:44	0.011
3/13/2012	15:01:44	0.012
3/13/2012	15:16:44	0.012
3/13/2012	15:31:44	0.011
3/13/2012	15:46:44	0.013
3/13/2012	16:01:44	0.012
3/13/2012	16:16:44	0.012
3/13/2012	16:31:44	0.012

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000680

Data Points: 34 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/13/2012 07:28

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/13/2012 7:46	0		0		0
2	3/13/2012 8:01	0		0		0
3	3/13/2012 8:16	0		0		0
4	3/13/2012 8:31	0		0		0
5	3/13/2012 8:46	0		0		0
6	3/13/2012 9:01	0		0		0
7	3/13/2012 9:16	0		0		0
8	3/13/2012 9:31	0		0		0
9	3/13/2012 9:46	0		0		0
10	3/13/2012 10:01	0		0		0
11	3/13/2012 10:16	0		0		0
12	3/13/2012 10:31	0		0		0
13	3/13/2012 10:46	0		0		0
14	3/13/2012 11:01	0		0		0
15	3/13/2012 11:16	0		0		0
16	3/13/2012 11:31	0		0		0
17	3/13/2012 11:46	0		0		0
18	3/13/2012 12:01	0		0		0
19	3/13/2012 12:16	0		0		0
20	3/13/2012 12:31	0		0		0
21	3/13/2012 12:46	0		0		0
22	3/13/2012 13:01	0		0		0
23	3/13/2012 13:16	0		0		0
24	3/13/2012 13:31	0		0		0
25	3/13/2012 13:46	0		0		0
26	3/13/2012 14:01	0		0		0
27	3/13/2012 14:16	0		0		0
28	3/13/2012 14:31	0		0		0
29	3/13/2012 14:46	0		0		0
30	3/13/2012 15:01	0		0		0
31	3/13/2012 15:16	0		0		0
32	3/13/2012 15:31	0		0		0
33	3/13/2012 15:46	0		0		0
34	3/13/2012 16:01	0		0		0

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 25
 Test Abbreviation:
 Start Date: 3/14/2012
 Start Time: 7:24:42
 Duration (dd:hh:mm:ss): 00:09:00:00
 Time constant (sec): 10
 Log Interval (mm:ss): 15:00
 Number of points: 36
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.015
	Minimum:		0.004
	Time of Minimum:		13:09:42
	Date of Minimum:		3/14/2012
	Maximum:		0.042
	Time of Maximum:		8:54:42
	Date of Maximum:		3/14/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/14/2012	7:39:42		0.024
3/14/2012	7:54:42		0.024
3/14/2012	8:09:42		0.027
3/14/2012	8:24:42		0.027
3/14/2012	8:39:42		0.035
3/14/2012	8:54:42		0.042
3/14/2012	9:09:42		0.04
3/14/2012	9:24:42		0.039
3/14/2012	9:39:42		0.029
3/14/2012	9:54:42		0.024
3/14/2012	10:09:42		0.023
3/14/2012	10:24:42		0.017
3/14/2012	10:39:42		0.016
3/14/2012	10:54:42		0.015
3/14/2012	11:09:42		0.013
3/14/2012	11:24:42		0.013
3/14/2012	11:39:42		0.008
3/14/2012	11:54:42		0.009

3/14/2012	12:09:42	0.008
3/14/2012	12:24:42	0.007
3/14/2012	12:39:42	0.006
3/14/2012	12:54:42	0.007
3/14/2012	13:09:42	0.004
3/14/2012	13:24:42	0.004
3/14/2012	13:39:42	0.01
3/14/2012	13:54:42	0.005
3/14/2012	14:09:42	0.005
3/14/2012	14:24:42	0.01
3/14/2012	14:39:42	0.004
3/14/2012	14:54:42	0.004
3/14/2012	15:09:42	0.005
3/14/2012	15:24:42	0.004
3/14/2012	15:39:42	0.006
3/14/2012	15:54:42	0.007
3/14/2012	16:09:42	0.007
3/14/2012	16:24:42	0.007

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000681

Data Points: 35 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/14/2012 07:15

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

1	3/14/2012 7:35	0		0		0
2	3/14/2012 7:50	0		0		0
3	3/14/2012 8:05	0		0		0
4	3/14/2012 8:20	0		0		0
5	3/14/2012 8:35	0		0		0
6	3/14/2012 8:50	0		0		0
7	3/14/2012 9:05	0		0		0
8	3/14/2012 9:20	0		0		0
9	3/14/2012 9:35	0		0		0
10	3/14/2012 9:50	0		0		0
11	3/14/2012 10:05	0		0		0
12	3/14/2012 10:20	0		0		0
13	3/14/2012 10:35	0		0		0
14	3/14/2012 10:50	0		0		0
15	3/14/2012 11:05	0		0		0
16	3/14/2012 11:20	0		0		0
17	3/14/2012 11:35	0		0		0
18	3/14/2012 11:50	0		0		0
19	3/14/2012 12:05	0		0		0
20	3/14/2012 12:20	0		0		0
21	3/14/2012 12:35	0		0		0
22	3/14/2012 12:50	0		0		0
23	3/14/2012 13:05	0		0		0
24	3/14/2012 13:20	0		0		0
25	3/14/2012 13:35	0		0		0
26	3/14/2012 13:50	0		0		0
27	3/14/2012 14:05	0		0		0
28	3/14/2012 14:20	0		0		0
29	3/14/2012 14:35	0		0		0
30	3/14/2012 14:50	0		0		0
31	3/14/2012 15:05	0		0		0
32	3/14/2012 15:20	0		0		0
33	3/14/2012 15:35	0		0		0
34	3/14/2012 15:50	0		0		0
35	3/14/2012 16:05	0		0		0

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 26
 Test Abbreviation:
 Start Date: 3/15/2012
 Start Time: 7:48:48
 Duration (dd:hh:mm:ss): 00:10:00:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 40
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.019
	Minimum:	0.009
	Time of Minimum:	12:18:48
	Date of Minimum:	3/15/2012
	Maximum:	0.045
	Time of Maximum:	10:03:48
	Date of Maximum:	3/15/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/15/2012	8:03:48	0.039
3/15/2012	8:18:48	0.035
3/15/2012	8:33:48	0.028
3/15/2012	8:48:48	0.027
3/15/2012	9:03:48	0.03
3/15/2012	9:18:48	0.029
3/15/2012	9:33:48	0.028
3/15/2012	9:48:48	0.038
3/15/2012	10:03:48	0.045
3/15/2012	10:18:48	0.027
3/15/2012	10:33:48	0.02
3/15/2012	10:48:48	0.015
3/15/2012	11:03:48	0.014
3/15/2012	11:18:48	0.011
3/15/2012	11:33:48	0.014
3/15/2012	11:48:48	0.015
3/15/2012	12:03:48	0.013
3/15/2012	12:18:48	0.009

3/15/2012	12:33:48	0.011
3/15/2012	12:48:48	0.015
3/15/2012	13:03:48	0.01
3/15/2012	13:18:48	0.016
3/15/2012	13:33:48	0.017
3/15/2012	13:48:48	0.014
3/15/2012	14:03:48	0.017
3/15/2012	14:18:48	0.014
3/15/2012	14:33:48	0.013
3/15/2012	14:48:48	0.012
3/15/2012	15:03:48	0.012
3/15/2012	15:18:48	0.013
3/15/2012	15:33:48	0.014
3/15/2012	15:48:48	0.015
3/15/2012	16:03:48	0.014
3/15/2012	16:18:48	0.014
3/15/2012	16:33:48	0.016
3/15/2012	16:48:48	0.015
3/15/2012	17:03:48	0.014
3/15/2012	17:18:48	0.017
3/15/2012	17:33:48	0.014
3/15/2012	17:48:48	0.013

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000682

Data Points: 39 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/15/2012 07:38

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/15/2012 8:02	0		0		0
2	3/15/2012 8:17	0		0		0
3	3/15/2012 8:32	0		0		0
4	3/15/2012 8:47	0		0		0
5	3/15/2012 9:02	0		0		0
6	3/15/2012 9:17	0		0		0
7	3/15/2012 9:32	0		0		0
8	3/15/2012 9:47	0		0		0
9	3/15/2012 10:02	0		0		0
10	3/15/2012 10:17	0		0		0
11	3/15/2012 10:32	0		0		0
12	3/15/2012 10:47	0		0		0
13	3/15/2012 11:02	0		0		0
14	3/15/2012 11:17	0		0		0
15	3/15/2012 11:32	0		0		0
16	3/15/2012 11:47	0		0		0
17	3/15/2012 12:02	0		0		0
18	3/15/2012 12:17	0		0		0
19	3/15/2012 12:32	0		0		0
20	3/15/2012 12:47	0		0		0
21	3/15/2012 13:02	0		0		0
22	3/15/2012 13:17	0		0		0
23	3/15/2012 13:32	0		0		0
24	3/15/2012 13:47	0		0		0
25	3/15/2012 14:02	0		0		0
26	3/15/2012 14:17	0		0		0
27	3/15/2012 14:32	0		0		0
28	3/15/2012 14:47	0		0		0
29	3/15/2012 15:02	0		0		0
30	3/15/2012 15:17	0		0		0
31	3/15/2012 15:32	0		0		0
32	3/15/2012 15:47	0		0		0
33	3/15/2012 16:02	0		0		0
34	3/15/2012 16:17	0		0		0
35	3/15/2012 16:32	0		0		0

36	3/15/2012 16:47	0	0	0
37	3/15/2012 17:02	0	0	0
38	3/15/2012 17:17	0	0	0
39	3/15/2012 17:32	0	0	0

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 27
 Test Abbreviation:
 Start Date: 3/16/2012
 Start Time: 7:19:24
 Duration (dd:hh:mm:ss): 00:07:30:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 30
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.039
	Minimum:	0.028
	Time of Minimum:	7:49:24
	Date of Minimum:	3/16/2012
	Maximum:	0.071
	Time of Maximum:	10:34:24
	Date of Maximum:	3/16/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/16/2012	7:34:24	0.061
3/16/2012	7:49:24	0.028
3/16/2012	8:04:24	0.028
3/16/2012	8:19:24	0.029
3/16/2012	8:34:24	0.034
3/16/2012	8:49:24	0.058
3/16/2012	9:04:24	0.053
3/16/2012	9:19:24	0.031
3/16/2012	9:34:24	0.033
3/16/2012	9:49:24	0.059
3/16/2012	10:04:24	0.058
3/16/2012	10:19:24	0.055
3/16/2012	10:34:24	0.071
3/16/2012	10:49:24	0.034
3/16/2012	11:04:24	0.03
3/16/2012	11:19:24	0.033
3/16/2012	11:34:24	0.035
3/16/2012	11:49:24	0.034

3/16/2012	12:04:24	0.032
3/16/2012	12:19:24	0.031
3/16/2012	12:34:24	0.035
3/16/2012	12:49:24	0.032
3/16/2012	13:04:24	0.042
3/16/2012	13:19:24	0.037
3/16/2012	13:34:24	0.034
3/16/2012	13:49:24	0.035
3/16/2012	14:04:24	0.039
3/16/2012	14:19:24	0.029
3/16/2012	14:34:24	0.032
3/16/2012	14:49:24	0.032

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000683

Data Points: 29 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/16/2012 07:13

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/16/2012 7:32	0		0		0
2	3/16/2012 7:47	0		0		0
3	3/16/2012 8:02	0		0		0
4	3/16/2012 8:17	0		0		0
5	3/16/2012 8:32	0		0		0
6	3/16/2012 8:47	0		0		0
7	3/16/2012 9:02	0		0		0
8	3/16/2012 9:17	0		0		0
9	3/16/2012 9:32	0		0		0
10	3/16/2012 9:47	0		0		0
11	3/16/2012 10:02	0		0		0.1
12	3/16/2012 10:17	0		0		1.6
13	3/16/2012 10:32	0		0		0
14	3/16/2012 10:47	0		0		0
15	3/16/2012 11:02	0		0		0
16	3/16/2012 11:17	0		0		0
17	3/16/2012 11:32	0		0		0
18	3/16/2012 11:47	0		0		0
19	3/16/2012 12:02	0		0		0
20	3/16/2012 12:17	0		0		0
21	3/16/2012 12:32	0		0		0
22	3/16/2012 12:47	0		0		0
23	3/16/2012 13:02	0		0		0
24	3/16/2012 13:17	0		0		0
25	3/16/2012 13:32	0		0		0
26	3/16/2012 13:47	0		0		0
27	3/16/2012 14:02	0		0		0
28	3/16/2012 14:17	0		0		0
29	3/16/2012 14:32	0		0		0

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 26
 Test Abbreviation:
 Start Date: 3/12/2012
 Start Time: 7:02:45
 Duration (dd:hh:mm:ss): 00:07:45:00
 Time constant (sec): 1
 Log Interval (mm:ss): 15:00
 Number of points: 31
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.026
	Minimum:	0.012
	Time of Minimum:	13:02:45
	Date of Minimum:	3/12/2012
	Maximum:	0.042
	Time of Maximum:	12:17:45
	Date of Maximum:	3/12/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/12/2012	7:17:45	0.028
3/12/2012	7:32:45	0.026
3/12/2012	7:47:45	0.029
3/12/2012	8:02:45	0.033
3/12/2012	8:17:45	0.033
3/12/2012	8:32:45	0.027
3/12/2012	8:47:45	0.027
3/12/2012	9:02:45	0.029
3/12/2012	9:17:45	0.029
3/12/2012	9:32:45	0.033
3/12/2012	9:47:45	0.033
3/12/2012	10:02:45	0.031
3/12/2012	10:17:45	0.032
3/12/2012	10:32:45	0.032
3/12/2012	10:47:45	0.041
3/12/2012	11:02:45	0.034
3/12/2012	11:17:45	0.032
3/12/2012	11:32:45	0.029

3/12/2012	11:47:45	0.026
3/12/2012	12:02:45	0.037
3/12/2012	12:17:45	0.042
3/12/2012	12:32:45	0.023
3/12/2012	12:47:45	0.015
3/12/2012	13:02:45	0.012
3/12/2012	13:17:45	0.012
3/12/2012	13:32:45	0.013
3/12/2012	13:47:45	0.014
3/12/2012	14:02:45	0.013
3/12/2012	14:17:45	0.012
3/12/2012	14:32:45	0.012
3/12/2012	14:47:45	0.012

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001037
Data Points: 30 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/12/2012 06:48

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:           5               5               5
Low Alarm Levels:            2.5             2.5             2.5
=====
```

```
=====
Line#   Date Time   Min(ppm) Alarm   Avg(ppm) Alarm   Max(ppm) Alarm
=====
```

1	3/12/2012 7:12	0		0		0	
2	3/12/2012 7:27	0		0		0	
3	3/12/2012 7:42	0		0		0	
4	3/12/2012 7:57	0		0		0	
5	3/12/2012 8:12	0		0		0	
6	3/12/2012 8:27	0		0		0	
7	3/12/2012 8:42	0		0		0	
8	3/12/2012 8:57	0		0		0	
9	3/12/2012 9:12	0		0		0	
10	3/12/2012 9:27	0		0		0	
11	3/12/2012 9:42	0		0		0	
12	3/12/2012 9:57	0		0		0	
13	3/12/2012 10:12	0		0		0	
14	3/12/2012 10:27	0		0		0	
15	3/12/2012 10:42	0		0		0	
16	3/12/2012 10:57	0		0		0	
17	3/12/2012 11:12	0		0		0	
18	3/12/2012 11:27	0		0		0	
19	3/12/2012 11:42	0		0		0	
20	3/12/2012 11:57	0		0		0	
21	3/12/2012 12:12	0		0		0	
22	3/12/2012 12:27	0		0		0	
23	3/12/2012 12:42	0		0		0	
24	3/12/2012 12:57	0		0		0	
25	3/12/2012 13:12	0		0		0	
26	3/12/2012 13:27	0		0		0	
27	3/12/2012 13:42	0		0		0	
28	3/12/2012 13:57	0		0		0	
29	3/12/2012 14:12	0		0		0	
30	3/12/2012 14:27	0		0		0	

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TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 27
 Test Abbreviation:
 Start Date: 3/13/2012
 Start Time: 7:32:26
 Duration (dd:hh:mm:ss): 00:09:00:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 36
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.021
	Minimum:		0.014
	Time of Minimum:		14:47:26
	Date of Minimum:		3/13/2012
	Maximum:		0.026
	Time of Maximum:		7:47:26
	Date of Maximum:		3/13/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/13/2012	7:47:26	0.026	
3/13/2012	8:02:26	0.021	
3/13/2012	8:17:26	0.022	
3/13/2012	8:32:26	0.021	
3/13/2012	8:47:26	0.022	
3/13/2012	9:02:26	0.021	
3/13/2012	9:17:26	0.024	
3/13/2012	9:32:26	0.022	
3/13/2012	9:47:26	0.022	
3/13/2012	10:02:26	0.023	
3/13/2012	10:17:26	0.024	
3/13/2012	10:32:26	0.026	
3/13/2012	10:47:26	0.026	
3/13/2012	11:02:26	0.022	
3/13/2012	11:17:26	0.022	
3/13/2012	11:32:26	0.024	
3/13/2012	11:47:26	0.023	
3/13/2012	12:02:26	0.022	

3/13/2012	12:17:26	0.025
3/13/2012	12:32:26	0.024
3/13/2012	12:47:26	0.021
3/13/2012	13:02:26	0.021
3/13/2012	13:17:26	0.023
3/13/2012	13:32:26	0.02
3/13/2012	13:47:26	0.017
3/13/2012	14:02:26	0.017
3/13/2012	14:17:26	0.017
3/13/2012	14:32:26	0.015
3/13/2012	14:47:26	0.014
3/13/2012	15:02:26	0.017
3/13/2012	15:17:26	0.018
3/13/2012	15:32:26	0.017
3/13/2012	15:47:26	0.018
3/13/2012	16:02:26	0.016
3/13/2012	16:17:26	0.016
3/13/2012	16:32:26	0.016

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001039

Data Points: 35 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/13/2012 07:29

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/13/2012 7:44	0		0		0
2	3/13/2012 7:59	0		0		0
3	3/13/2012 8:14	0		0		0
4	3/13/2012 8:29	0		0		0
5	3/13/2012 8:44	0		0		0
6	3/13/2012 8:59	0		0		0
7	3/13/2012 9:14	0		0		0
8	3/13/2012 9:29	0		0		0
9	3/13/2012 9:44	0		0		0
10	3/13/2012 9:59	0		0		0
11	3/13/2012 10:14	0		0		0
12	3/13/2012 10:29	0		0		0
13	3/13/2012 10:44	0		0		0
14	3/13/2012 10:59	0		0		0
15	3/13/2012 11:14	0		0		0
16	3/13/2012 11:29	0		0		0
17	3/13/2012 11:44	0		0		0
18	3/13/2012 11:59	0		0		0
19	3/13/2012 12:14	0		0		0
20	3/13/2012 12:29	0		0		0
21	3/13/2012 12:44	0		0		0
22	3/13/2012 12:59	0		0		0
23	3/13/2012 13:14	0		0		0
24	3/13/2012 13:29	0		0		0
25	3/13/2012 13:44	0		0		0
26	3/13/2012 13:59	0		0		0
27	3/13/2012 14:14	0		0		0
28	3/13/2012 14:29	0		0		0
29	3/13/2012 14:44	0		0		0
30	3/13/2012 14:59	0		0		0
31	3/13/2012 15:14	0		0		0
32	3/13/2012 15:29	0		0		0
33	3/13/2012 15:44	0		0		0
34	3/13/2012 15:59	0		0		0
35	3/13/2012 16:14	0		0		0

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Max(ppm)

5

2.5

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Alarm

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TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 28
 Test Abbreviation:
 Start Date: 3/14/2012
 Start Time: 7:28:45
 Duration (dd:hh:mm:ss) 00:08:45:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 35
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.017
	Minimum:	0.009
	Time of Minimum:	13:13:45
	Date of Minimum:	3/14/2012
	Maximum:	0.04
	Time of Maximum:	8:58:45
	Date of Maximum:	3/14/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/14/2012	7:43:45	0.025
3/14/2012	7:58:45	0.028
3/14/2012	8:13:45	0.026
3/14/2012	8:28:45	0.029
3/14/2012	8:43:45	0.033
3/14/2012	8:58:45	0.04
3/14/2012	9:13:45	0.039
3/14/2012	9:28:45	0.032
3/14/2012	9:43:45	0.026
3/14/2012	9:58:45	0.023
3/14/2012	10:13:45	0.02
3/14/2012	10:28:45	0.016
3/14/2012	10:43:45	0.016
3/14/2012	10:58:45	0.014
3/14/2012	11:13:45	0.014
3/14/2012	11:28:45	0.013
3/14/2012	11:43:45	0.012
3/14/2012	11:58:45	0.012

3/14/2012	12:13:45	0.012
3/14/2012	12:28:45	0.01
3/14/2012	12:43:45	0.012
3/14/2012	12:58:45	0.015
3/14/2012	13:13:45	0.009
3/14/2012	13:28:45	0.01
3/14/2012	13:43:45	0.013
3/14/2012	13:58:45	0.01
3/14/2012	14:13:45	0.01
3/14/2012	14:28:45	0.013
3/14/2012	14:43:45	0.009
3/14/2012	14:58:45	0.009
3/14/2012	15:13:45	0.009
3/14/2012	15:28:45	0.01
3/14/2012	15:43:45	0.011
3/14/2012	15:58:45	0.011
3/14/2012	16:13:45	0.012

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001041

Data Points: 35 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/14/2012 07:14

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/14/2012 7:34	0		0		0
2	3/14/2012 7:49	0		0		0
3	3/14/2012 8:04	0		0		0
4	3/14/2012 8:19	0		0		0.3
5	3/14/2012 8:34	0		0		0.7
6	3/14/2012 8:49	0		0		0
7	3/14/2012 9:04	0		0		0
8	3/14/2012 9:19	0		0		0
9	3/14/2012 9:34	0		0		0
10	3/14/2012 9:49	0		0		0
11	3/14/2012 10:04	0		0		0
12	3/14/2012 10:19	0		0		0
13	3/14/2012 10:34	0		0		0
14	3/14/2012 10:49	0		0		0
15	3/14/2012 11:04	0		0		0
16	3/14/2012 11:19	0		0		0
17	3/14/2012 11:34	0		0		2
18	3/14/2012 11:49	0		0		0
19	3/14/2012 12:04	0		0		0
20	3/14/2012 12:19	0		0		0
21	3/14/2012 12:34	0		0		0
22	3/14/2012 12:49	0		0		0
23	3/14/2012 13:04	0		0		0
24	3/14/2012 13:19	0		0		0
25	3/14/2012 13:34	0		0		0
26	3/14/2012 13:49	0		0		0
27	3/14/2012 14:04	0		0		0
28	3/14/2012 14:19	0		0		0
29	3/14/2012 14:34	0		0		0
30	3/14/2012 14:49	0		0		0
31	3/14/2012 15:04	0		0		0
32	3/14/2012 15:19	0		0		0
33	3/14/2012 15:34	0		0		0
34	3/14/2012 15:49	0		0		0
35	3/14/2012 16:04	0		0		0

=====

Max(ppm)

5

2.5

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Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 29
 Test Abbreviation:
 Start Date: 3/15/2012
 Start Time: 7:53:08
 Duration (dd:hh:mm:ss): 00:09:45:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 39
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.019
	Minimum:	0.01
	Time of Minimum:	11:23:08
	Date of Minimum:	3/15/2012
	Maximum:	0.055
	Time of Maximum:	9:53:08
	Date of Maximum:	3/15/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/15/2012	8:08:08	0.036
3/15/2012	8:23:08	0.034
3/15/2012	8:38:08	0.02
3/15/2012	8:53:08	0.026
3/15/2012	9:08:08	0.025
3/15/2012	9:23:08	0.022
3/15/2012	9:38:08	0.024
3/15/2012	9:53:08	0.055
3/15/2012	10:08:08	0.035
3/15/2012	10:23:08	0.021
3/15/2012	10:38:08	0.017
3/15/2012	10:53:08	0.011
3/15/2012	11:08:08	0.011
3/15/2012	11:23:08	0.01
3/15/2012	11:38:08	0.015
3/15/2012	11:53:08	0.011
3/15/2012	12:08:08	0.01
3/15/2012	12:23:08	0.011

3/15/2012	12:38:08	0.012
3/15/2012	12:53:08	0.012
3/15/2012	13:08:08	0.012
3/15/2012	13:23:08	0.016
3/15/2012	13:38:08	0.013
3/15/2012	13:53:08	0.015
3/15/2012	14:08:08	0.016
3/15/2012	14:23:08	0.016
3/15/2012	14:38:08	0.014
3/15/2012	14:53:08	0.015
3/15/2012	15:08:08	0.014
3/15/2012	15:23:08	0.017
3/15/2012	15:38:08	0.018
3/15/2012	15:53:08	0.017
3/15/2012	16:08:08	0.017
3/15/2012	16:23:08	0.023
3/15/2012	16:38:08	0.026
3/15/2012	16:53:08	0.02
3/15/2012	17:08:08	0.017
3/15/2012	17:23:08	0.016
3/15/2012	17:38:08	0.016

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001046
Data Points: 38 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/15/2012 07:40

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Measurement Type:	Min(ppm)	Avg(ppm)
High Alarm Levels:	5	5
Low Alarm Levels:	2.5	2.5

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=====

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

=====

1	3/15/2012 8:06	0		0		0
2	3/15/2012 8:21	0		0		0
3	3/15/2012 8:36	0		0		0
4	3/15/2012 8:51	0		0		0
5	3/15/2012 9:06	0		0		0
6	3/15/2012 9:21	0		0		0
7	3/15/2012 9:36	0		0		0
8	3/15/2012 9:51	0		0		0.1
9	3/15/2012 10:06	0		0		0.2
10	3/15/2012 10:21	0		0		0.1
11	3/15/2012 10:36	0		0		0.2
12	3/15/2012 10:51	0		0		0.1
13	3/15/2012 11:06	0		0		0.2
14	3/15/2012 11:21	0		0		0.1
15	3/15/2012 11:36	0		0		0.2
16	3/15/2012 11:51	0		0		0.2
17	3/15/2012 12:06	0		0		0.2
18	3/15/2012 12:21	0		0		0.2
19	3/15/2012 12:36	0		0		0.3
20	3/15/2012 12:51	0		0		0.4
21	3/15/2012 13:06	0		0		0.2
22	3/15/2012 13:21	0		0		0.4
23	3/15/2012 13:36	0		0		0.4
24	3/15/2012 13:51	0		0		0.4
25	3/15/2012 14:06	0		0		0.3
26	3/15/2012 14:21	0		0		0.3
27	3/15/2012 14:36	0		0		0.4
28	3/15/2012 14:51	0		0		0.4
29	3/15/2012 15:06	0		0		0.5
30	3/15/2012 15:21	0		0		0.4
31	3/15/2012 15:36	0		0		0.2
32	3/15/2012 15:51	0		0		0.3
33	3/15/2012 16:06	0		0		0.3
34	3/15/2012 16:21	0		0		0.3
35	3/15/2012 16:36	0		0		0.4

=====

36	3/15/2012 16:51	0	0	0.3
37	3/15/2012 17:06	0	0	0.5
38	3/15/2012 17:21	0	0	0.4

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 30
 Test Abbreviation:
 Start Date: 3/16/2012
 Start Time: 7:21:45
 Duration (dd:hh:mm:ss): 00:07:30:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 30
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.03
	Minimum:		0.023
	Time of Minimum:		9:51:45
	Date of Minimum:		3/16/2012
	Maximum:		0.053
	Time of Maximum:		7:36:45
	Date of Maximum:		3/16/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/16/2012	7:36:45	0.053	
3/16/2012	7:51:45	0.046	
3/16/2012	8:06:45	0.035	
3/16/2012	8:21:45	0.03	
3/16/2012	8:36:45	0.032	
3/16/2012	8:51:45	0.027	
3/16/2012	9:06:45	0.024	
3/16/2012	9:21:45	0.026	
3/16/2012	9:36:45	0.024	
3/16/2012	9:51:45	0.023	
3/16/2012	10:06:45	0.023	
3/16/2012	10:21:45	0.027	
3/16/2012	10:36:45	0.023	
3/16/2012	10:51:45	0.023	
3/16/2012	11:06:45	0.026	
3/16/2012	11:21:45	0.035	
3/16/2012	11:36:45	0.028	
3/16/2012	11:51:45	0.035	

3/16/2012	12:06:45	0.028
3/16/2012	12:21:45	0.025
3/16/2012	12:36:45	0.028
3/16/2012	12:51:45	0.034
3/16/2012	13:06:45	0.032
3/16/2012	13:21:45	0.034
3/16/2012	13:36:45	0.033
3/16/2012	13:51:45	0.029
3/16/2012	14:06:45	0.031
3/16/2012	14:21:45	0.027
3/16/2012	14:36:45	0.028
3/16/2012	14:51:45	0.028

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001048
Data Points: 37 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/16/2012 07:12

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=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:           5                 5                 5
Low Alarm Levels:           2.5                2.5                2.5
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```

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=====
Line#   Date Time   Min(ppm) Alarm   Avg(ppm) Alarm   Max(ppm) Alarm
=====
```

1	3/16/2012 7:30	0		0		0	
2	3/16/2012 7:45	0		0		0	
3	3/16/2012 8:00	0		0		0	
4	3/16/2012 8:15	0		0		0	
5	3/16/2012 8:30	0		0		0	
6	3/16/2012 8:45	0		0		0	
7	3/16/2012 9:00	0		0		0	
8	3/16/2012 9:15	0		0		0	
9	3/16/2012 9:30	0		0		0	
10	3/16/2012 9:45	0		0		0	
11	3/16/2012 10:00	0		0		0	
12	3/16/2012 10:15	0		0		0	
13	3/16/2012 10:30	0		0		0	
14	3/16/2012 10:45	0		0		0	
15	3/16/2012 11:00	0		0		0	
16	3/16/2012 11:15	0		0		0	
17	3/16/2012 11:30	0		0		0	
18	3/16/2012 11:45	0		0		0	
19	3/16/2012 12:00	0		0		0	
20	3/16/2012 12:15	0		0		0	
21	3/16/2012 12:30	0		0		0	
22	3/16/2012 12:45	0		0		0	
23	3/16/2012 13:00	0		0		0	
24	3/16/2012 13:15	0		0		0	
25	3/16/2012 13:30	0		0		0	
26	3/16/2012 13:45	0		0		0	
27	3/16/2012 14:00	0		0		0	
28	3/16/2012 14:15	0		0		0	
29	3/16/2012 14:30	0		0		0	
30	3/16/2012 14:45	0		0		0	
31	3/16/2012 15:00	0		0		0	
32	3/16/2012 15:15	0		0		0	
33	3/16/2012 15:30	0		0		0	
34	3/16/2012 15:45	0		0		0	
35	3/16/2012 16:00	0		0		0	

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=====
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36 3/16/2012 16:15	0	0	0
37 3/16/2012 16:30	0	0	0

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Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000018

Data Points: 29 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/12/2012 07:00

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/12/2012 7:21	0		0		0.1
2	3/12/2012 7:36	0		0		0
3	3/12/2012 7:51	0		0		0.2
4	3/12/2012 8:06	0.1		0.1		0.3
5	3/12/2012 8:21	0.2		0.2		0.3
6	3/12/2012 8:36	0.2		0.3		0.4
7	3/12/2012 8:51	0.3		0.3		0.5
8	3/12/2012 9:06	0.3		0.4		0.5
9	3/12/2012 9:21	0.3		0.3		0.4
10	3/12/2012 9:36	0.2		0.2		0.3
11	3/12/2012 9:51	0.2		0.2		0.2
12	3/12/2012 10:06	0.1		0.1		0.2
13	3/12/2012 10:21	0.1		0.1		0.4
14	3/12/2012 10:36	0.1		0.2		0.7
15	3/12/2012 10:51	0.1		0.1		0.2
16	3/12/2012 11:06	0.1		0.1		0.4
17	3/12/2012 11:21	0.1		0.1		0.6
18	3/12/2012 11:36	0.1		0.3		0.9
19	3/12/2012 11:51	0.2		0.3		0.9
20	3/12/2012 12:06	0.2		0.3		0.9
21	3/12/2012 12:21	0.1		0.1		0.4
22	3/12/2012 12:36	0.1		0.1		0.2
23	3/12/2012 12:51	0		0.1		0.2
24	3/12/2012 13:06	0		0		0.1
25	3/12/2012 13:21	0		0		0.1
26	3/12/2012 13:36	0		0		0.1
27	3/12/2012 13:51	0		0		0.1
28	3/12/2012 14:06	0		0		0.1
29	3/12/2012 14:21	0		0		0.1

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000019

Data Points: 34 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/13/2012 07:42

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/13/2012 8:03	0		0		0.3
2	3/13/2012 8:18	0		0		0.2
3	3/13/2012 8:33	0		0		0.3
4	3/13/2012 8:48	0		0.1		0.7
5	3/13/2012 9:03	0		0		0.2
6	3/13/2012 9:18	0.1		0.1		0.3
7	3/13/2012 9:33	0.1		0.1		0.1
8	3/13/2012 9:48	0.1		0.1		0.3
9	3/13/2012 10:03	0.1		0.1		0.2
10	3/13/2012 10:18	0.1		0.1		0.2
11	3/13/2012 10:33	0.1		0.1		0.2
12	3/13/2012 10:48	0.1		0.1		0.1
13	3/13/2012 11:03	0.1		0.1		0.2
14	3/13/2012 11:18	0.1		0.1		0.2
15	3/13/2012 11:33	0.1		0.1		0.2
16	3/13/2012 11:48	0.1		0.1		0.2
17	3/13/2012 12:03	0.1		0.1		0.1
18	3/13/2012 12:18	0.1		0.1		0.1
19	3/13/2012 12:33	0.1		0.1		0.1
20	3/13/2012 12:48	0.1		0.1		0.1
21	3/13/2012 13:03	0.1		0.1		0.1
22	3/13/2012 13:18	0.1		0.1		0.2
23	3/13/2012 13:33	0.1		0.1		0.6
24	3/13/2012 13:48	0.1		0.1		0.1
25	3/13/2012 14:03	0.1		0.1		0.1
26	3/13/2012 14:18	0		0		0.2
27	3/13/2012 14:33	0		0.1		0.3
28	3/13/2012 14:48	0.1		0.1		0.2
29	3/13/2012 15:03	0.1		0.1		0.1
30	3/13/2012 15:18	0.1		0.1		0.3
31	3/13/2012 15:33	0.1		0.1		0.2
32	3/13/2012 15:48	0.1		0.1		0.1
33	3/13/2012 16:03	0.1		0.1		0.5
34	3/13/2012 16:18	0.1		0.1		0.1

=====

Max(ppm)

10

5

=====

Alarm

=====

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000022

Data Points: 33 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/14/2012 07:22

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/14/2012 7:53	0.1		0.1		0.1
2	3/14/2012 8:08	0.1		0.1		0.2
3	3/14/2012 8:23	0.2		0.2		0.2
4	3/14/2012 8:38	0.2		0.2		0.3
5	3/14/2012 8:53	0.2		0.2		0.3
6	3/14/2012 9:08	0.3		0.3		0.3
7	3/14/2012 9:23	0.3		0.3		0.3
8	3/14/2012 9:38	0.3		0.3		0.4
9	3/14/2012 9:53	0.3		0.3		0.4
10	3/14/2012 10:08	0.4		0.4		0.4
11	3/14/2012 10:23	0.4		0.4		0.4
12	3/14/2012 10:38	0.4		0.4		0.5
13	3/14/2012 10:53	0.4		0.4		0.5
14	3/14/2012 11:08	0.4		0.4		0.5
15	3/14/2012 11:23	0.4		0.4		0.5
16	3/14/2012 11:38	0.4		0.4		0.5
17	3/14/2012 11:53	0.5		0.5		0.5
18	3/14/2012 12:08	0.5		0.5		0.6
19	3/14/2012 12:23	0.5		0.5		0.6
20	3/14/2012 12:38	0.6		0.6		0.6
21	3/14/2012 12:53	0.6		0.6		0.6
22	3/14/2012 13:08	0.6		0.6		0.6
23	3/14/2012 13:23	0.6		0.6		0.6
24	3/14/2012 13:38	0.6		0.6		0.7
25	3/14/2012 13:53	0.7		0.7		0.7
26	3/14/2012 14:08	0.7		0.7		0.7
27	3/14/2012 14:23	0.7		0.7		0.7
28	3/14/2012 14:38	0.7		0.7		0.7
29	3/14/2012 14:53	0.7		0.7		0.7
30	3/14/2012 15:08	0.7		0.7		0.8
31	3/14/2012 15:23	0.7		0.7		0.8
32	3/14/2012 15:38	0.8		0.8		0.8
33	3/14/2012 15:53	0.8		0.8		0.8

=====

Max(ppm)

10

5

=====

Alarm

=====

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000023

Data Points: 39 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/15/2012 07:23

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/15/2012 7:49	0		0		0.2
2	3/15/2012 8:04	0		0		0.4
3	3/15/2012 8:19	0		0.1		0.7
4	3/15/2012 8:34	0.1		0.1		0.2
5	3/15/2012 8:49	0.1		0.1		0.2
6	3/15/2012 9:04	0.1		0.1		0.2
7	3/15/2012 9:19	0.1		0.1		0.2
8	3/15/2012 9:34	0.2		0.2		0.2
9	3/15/2012 9:49	0.2		0.2		0.4
10	3/15/2012 10:04	0.2		0.3		0.6
11	3/15/2012 10:19	0.3		0.3		0.5
12	3/15/2012 10:34	0.3		0.4		0.6
13	3/15/2012 10:49	0.4		0.4		0.7
14	3/15/2012 11:04	0.3		0.5		1.1
15	3/15/2012 11:19	0.4		0.5		0.8
16	3/15/2012 11:34	0.4		0.6		0.9
17	3/15/2012 11:49	0.5		0.6		1.2
18	3/15/2012 12:04	0.5		0.6		0.8
19	3/15/2012 12:19	0.5		0.6		0.8
20	3/15/2012 12:34	0.5		0.6		0.9
21	3/15/2012 12:49	0.5		0.5		0.9
22	3/15/2012 13:04	0.5		0.5		0.9
23	3/15/2012 13:19	0.5		0.5		0.6
24	3/15/2012 13:34	0.4		0.5		0.7
25	3/15/2012 13:49	0.4		0.4		0.8
26	3/15/2012 14:04	0.4		0.4		0.7
27	3/15/2012 14:19	0.4		0.4		0.9
28	3/15/2012 14:34	0.4		0.4		0.9
29	3/15/2012 14:49	0.3		0.3		0.5
30	3/15/2012 15:04	0.3		0.3		0.6
31	3/15/2012 15:19	0.3		0.3		0.5
32	3/15/2012 15:34	0.3		0.3		0.4
33	3/15/2012 15:49	0.3		0.3		0.3
34	3/15/2012 16:04	0.3		0.3		0.4
35	3/15/2012 16:19	0.2		0.2		0.3

36	3/15/2012 16:34	0.2	0.2	0.3
37	3/15/2012 16:49	0.3	0.3	0.4
38	3/15/2012 17:04	0.3	0.3	0.4
39	3/15/2012 17:19	0.3	0.3	0.3

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000018

Data Points: 30 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/16/2012 07:08

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/16/2012 7:29	0		0		0.1
2	3/16/2012 7:44	0		0		0
3	3/16/2012 7:59	0		0		0.2
4	3/16/2012 8:14	0.1		0.1		0.3
5	3/16/2012 8:29	0.2		0.1		0.3
6	3/16/2012 8:44	0.2		0.1		0.4
7	3/16/2012 8:59	0.3		0.2		0.5
8	3/16/2012 9:14	0.3		0.2		0.5
9	3/16/2012 9:29	0.3		0.2		0.4
10	3/16/2012 9:44	0.2		0.2		0.3
11	3/16/2012 9:59	0.2		0.2		0.2
12	3/16/2012 10:14	0.1		0.2		0.2
13	3/16/2012 10:29	0.1		0.2		0.4
14	3/16/2012 10:44	0.1		0.2		0.7
15	3/16/2012 10:59	0.1		0.1		0.2
16	3/16/2012 11:14	0.1		0.1		0.4
17	3/16/2012 11:29	0.1		0.1		0.6
18	3/16/2012 11:44	0.1		0.1		0.9
19	3/16/2012 11:59	0.2		0.1		0.9
20	3/16/2012 12:14	0.2		0.1		0.9
21	3/16/2012 12:29	0.1		0.1		0.4
22	3/16/2012 12:44	0.1		0.1		0.2
23	3/16/2012 12:59	0		0.1		0.2
24	3/16/2012 13:14	0		0		0.1
25	3/16/2012 13:29	0		0		0.1
26	3/16/2012 13:44	0		0		0.1
27	3/16/2012 13:59	0		0		0.1
28	3/16/2012 14:14	0		0		0.1
29	3/16/2012 14:29	0		0		0.1
30	3/16/2012 14:44	0		0		0

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 8
 Test Abbreviation:
 Start Date: 3/12/2012
 Start Time: 7:14:49
 Duration (dd:hh:mm 00:07:30:00
 Time constant (secc 1
 Log Interval (mm:ss 15:00
 Number of points: 30
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.028
	Minimum:		0.01
	Time of Minimum:		13:14:49
	Date of Minimum:		3/12/2012
	Maximum:		0.046
	Time of Maximum:		12:29:49
	Date of Maximum:		3/12/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/12/2012	7:29:49		0.029
3/12/2012	7:44:49		0.029
3/12/2012	7:59:49		0.032
3/12/2012	8:14:49		0.039
3/12/2012	8:29:49		0.033
3/12/2012	8:44:49		0.031
3/12/2012	8:59:49		0.03
3/12/2012	9:14:49		0.032
3/12/2012	9:29:49		0.032
3/12/2012	9:44:49		0.04
3/12/2012	9:59:49		0.036
3/12/2012	10:14:49		0.036
3/12/2012	10:29:49		0.038
3/12/2012	10:44:49		0.036
3/12/2012	10:59:49		0.03
3/12/2012	11:14:49		0.037
3/12/2012	11:29:49		0.035
3/12/2012	11:44:49		0.031

3/12/2012	11:59:49	0.027
3/12/2012	12:14:49	0.027
3/12/2012	12:29:49	0.046
3/12/2012	12:44:49	0.02
3/12/2012	12:59:49	0.018
3/12/2012	13:14:49	0.01
3/12/2012	13:29:49	0.011
3/12/2012	13:44:49	0.018
3/12/2012	13:59:49	0.013
3/12/2012	14:14:49	0.012
3/12/2012	14:29:49	0.011
3/12/2012	14:44:49	0.013

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 9
 Test Abbreviation:
 Start Date: 3/13/2012
 Start Time: 7:48:22
 Duration (dd:hh:mm 00:08:45:00
 Time constant (seco 1
 Log Interval (mm:ss) 15:00
 Number of points: 35
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.03
	Minimum:		0.016
	Time of Minimum:		16:03:22
	Date of Minimum:		3/13/2012
	Maximum:		0.066
	Time of Maximum:		14:03:22
	Date of Maximum:		3/13/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/13/2012	8:03:22	0.021	
3/13/2012	8:18:22	0.021	
3/13/2012	8:33:22	0.022	
3/13/2012	8:48:22	0.024	
3/13/2012	9:03:22	0.026	
3/13/2012	9:18:22	0.03	
3/13/2012	9:33:22	0.027	
3/13/2012	9:48:22	0.03	
3/13/2012	10:03:22	0.03	
3/13/2012	10:18:22	0.032	
3/13/2012	10:33:22	0.04	
3/13/2012	10:48:22	0.035	
3/13/2012	11:03:22	0.028	
3/13/2012	11:18:22	0.041	
3/13/2012	11:33:22	0.042	
3/13/2012	11:48:22	0.035	
3/13/2012	12:03:22	0.026	
3/13/2012	12:18:22	0.027	

3/13/2012	12:33:22	0.039
3/13/2012	12:48:22	0.027
3/13/2012	13:03:22	0.026
3/13/2012	13:18:22	0.025
3/13/2012	13:33:22	0.024
3/13/2012	13:48:22	0.034
3/13/2012	14:03:22	0.066
3/13/2012	14:18:22	0.039
3/13/2012	14:33:22	0.024
3/13/2012	14:48:22	0.042
3/13/2012	15:03:22	0.017
3/13/2012	15:18:22	0.04
3/13/2012	15:33:22	0.024
3/13/2012	15:48:22	0.021
3/13/2012	16:03:22	0.016
3/13/2012	16:18:22	0.021
3/13/2012	16:33:22	0.016

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 10
 Test Abbreviation:
 Start Date: 3/14/2012
 Start Time: 7:37:53
 Duration (dd:hh:mm:ss): 00:08:45:00
 Time constant (sec): 1
 Log Interval (mm:ss): 15:00
 Number of points: 35
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.038
	Minimum:		0.011
	Time of Minimum:		16:22:53
	Date of Minimum:		3/14/2012
	Maximum:		0.09
	Time of Maximum:		13:37:53
	Date of Maximum:		3/14/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/14/2012	7:52:53		0.022
3/14/2012	8:07:53		0.029
3/14/2012	8:22:53		0.027
3/14/2012	8:37:53		0.035
3/14/2012	8:52:53		0.042
3/14/2012	9:07:53		0.041
3/14/2012	9:22:53		0.042
3/14/2012	9:37:53		0.031
3/14/2012	9:52:53		0.025
3/14/2012	10:07:53		0.027
3/14/2012	10:22:53		0.044
3/14/2012	10:37:53		0.031
3/14/2012	10:52:53		0.025
3/14/2012	11:07:53		0.022
3/14/2012	11:22:53		0.026
3/14/2012	11:37:53		0.018
3/14/2012	11:52:53		0.048
3/14/2012	12:07:53		0.026

3/14/2012	12:22:53	0.042
3/14/2012	12:37:53	0.049
3/14/2012	12:52:53	0.049
3/14/2012	13:07:53	0.045
3/14/2012	13:22:53	0.054
3/14/2012	13:37:53	0.09
3/14/2012	13:52:53	0.033
3/14/2012	14:07:53	0.016
3/14/2012	14:22:53	0.04
3/14/2012	14:37:53	0.063
3/14/2012	14:52:53	0.033
3/14/2012	15:07:53	0.029
3/14/2012	15:22:53	0.016
3/14/2012	15:37:53	0.074
3/14/2012	15:52:53	0.083
3/14/2012	16:07:53	0.041
3/14/2012	16:22:53	0.011

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 11
 Test Abbreviation:
 Start Date: 3/15/2012
 Start Time: 7:35:40
 Duration (dd:hh:mm:00:10:00:00)
 Time constant (seconds): 1
 Log Interval (mm:ss) 15:00
 Number of points: 40
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.039
	Minimum:	0.018
	Time of Minimum:	17:35:40
	Date of Minimum:	3/15/2012
	Maximum:	0.098
	Time of Maximum:	11:20:40
	Date of Maximum:	3/15/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/15/2012	7:50:40	0.023
3/15/2012	8:05:40	0.034
3/15/2012	8:20:40	0.031
3/15/2012	8:35:40	0.032
3/15/2012	8:50:40	0.024
3/15/2012	9:05:40	0.032
3/15/2012	9:20:40	0.028
3/15/2012	9:35:40	0.03
3/15/2012	9:50:40	0.034
3/15/2012	10:05:40	0.076
3/15/2012	10:20:40	0.044
3/15/2012	10:35:40	0.037
3/15/2012	10:50:40	0.063
3/15/2012	11:05:40	0.045
3/15/2012	11:20:40	0.098
3/15/2012	11:35:40	0.07
3/15/2012	11:50:40	0.073
3/15/2012	12:05:40	0.045

3/15/2012	12:20:40	0.03
3/15/2012	12:35:40	0.03
3/15/2012	12:50:40	0.033
3/15/2012	13:05:40	0.025
3/15/2012	13:20:40	0.069
3/15/2012	13:35:40	0.019
3/15/2012	13:50:40	0.025
3/15/2012	14:05:40	0.059
3/15/2012	14:20:40	0.076
3/15/2012	14:35:40	0.087
3/15/2012	14:50:40	0.041
3/15/2012	15:05:40	0.02
3/15/2012	15:20:40	0.02
3/15/2012	15:35:40	0.022
3/15/2012	15:50:40	0.02
3/15/2012	16:05:40	0.023
3/15/2012	16:20:40	0.023
3/15/2012	16:35:40	0.021
3/15/2012	16:50:40	0.021
3/15/2012	17:05:40	0.031
3/15/2012	17:20:40	0.019
3/15/2012	17:35:40	0.018

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 12
 Test Abbreviation:
 Start Date: 3/16/2012
 Start Time: 7:14:31
 Duration (dd:hh:mm:ss) 00:07:45:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 31
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.032
	Minimum:		0.028
	Time of Minimum:		7:29:31
	Date of Minimum:		3/16/2012
	Maximum:		0.041
	Time of Maximum:		13:59:31
	Date of Maximum:		3/16/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/16/2012	7:29:31	0.028	
3/16/2012	7:44:31	0.029	
3/16/2012	7:59:31	0.03	
3/16/2012	8:14:31	0.033	
3/16/2012	8:29:31	0.032	
3/16/2012	8:44:31	0.033	
3/16/2012	8:59:31	0.031	
3/16/2012	9:14:31	0.029	
3/16/2012	9:29:31	0.028	
3/16/2012	9:44:31	0.029	
3/16/2012	9:59:31	0.029	
3/16/2012	10:14:31	0.034	
3/16/2012	10:29:31	0.031	
3/16/2012	10:44:31	0.028	
3/16/2012	10:59:31	0.029	
3/16/2012	11:14:31	0.03	
3/16/2012	11:29:31	0.029	
3/16/2012	11:44:31	0.029	

3/16/2012	11:59:31	0.031
3/16/2012	12:14:31	0.034
3/16/2012	12:29:31	0.037
3/16/2012	12:44:31	0.038
3/16/2012	12:59:31	0.037
3/16/2012	13:14:31	0.032
3/16/2012	13:29:31	0.031
3/16/2012	13:44:31	0.031
3/16/2012	13:59:31	0.041
3/16/2012	14:14:31	0.032
3/16/2012	14:29:31	0.035
3/16/2012	14:44:31	0.03
3/16/2012	14:59:31	0.031

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 28
 Test Abbreviation:
 Start Date: 3/19/2012
 Start Time: 8:12:31
 Duration (dd:hh:mm:ss): 00:07:30:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 30
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.053
	Minimum:		0.024
	Time of Minimum:		15:42:31
	Date of Minimum:		3/19/2012
	Maximum:		0.094
	Time of Maximum:		10:42:31
	Date of Maximum:		3/19/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/19/2012	8:27:31		0.06
3/19/2012	8:42:31		0.063
3/19/2012	8:57:31		0.067
3/19/2012	9:12:31		0.064
3/19/2012	9:27:31		0.062
3/19/2012	9:42:31		0.066
3/19/2012	9:57:31		0.072
3/19/2012	10:12:31		0.068
3/19/2012	10:27:31		0.082
3/19/2012	10:42:31		0.094
3/19/2012	10:57:31		0.088
3/19/2012	11:12:31		0.071
3/19/2012	11:27:31		0.082
3/19/2012	11:42:31		0.066
3/19/2012	11:57:31		0.067
3/19/2012	12:12:31		0.058
3/19/2012	12:27:31		0.044
3/19/2012	12:42:31		0.042

3/19/2012	12:57:31	0.041
3/19/2012	13:12:31	0.043
3/19/2012	13:27:31	0.032
3/19/2012	13:42:31	0.034
3/19/2012	13:57:31	0.038
3/19/2012	14:12:31	0.033
3/19/2012	14:27:31	0.027
3/19/2012	14:42:31	0.025
3/19/2012	14:57:31	0.027
3/19/2012	15:12:31	0.037
3/19/2012	15:27:31	0.026
3/19/2012	15:42:31	0.024

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902706
User ID: 00000001 Site ID: 00000684
Data Points: 29 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/19/2012 07:48

```
=====
Measurement Type:                Min(ppm)                Avg(ppm)
High Alarm Levels:                10                      10
Low Alarm Levels:                 5                       5
=====
```

```
=====
Line#    Date Time    Min(ppm) Alarm    Avg(ppm) Alarm    Max(ppm)
=====
```

1	3/19/2012 8:25	0		0		0
2	3/19/2012 8:40	0		0		0
3	3/19/2012 8:55	0		0		0
4	3/19/2012 9:10	0		0		0
5	3/19/2012 9:25	0		0		0
6	3/19/2012 9:40	0		0		0
7	3/19/2012 9:55	0		0		0
8	3/19/2012 10:10	0		0		0
9	3/19/2012 10:25	0		0		0
10	3/19/2012 10:40	0		0		0
11	3/19/2012 10:55	0		0		0
12	3/19/2012 11:10	0		0		0
13	3/19/2012 11:25	0		0		0
14	3/19/2012 11:40	0		0		0
15	3/19/2012 11:55	0		0		0
16	3/19/2012 12:10	0		0		0
17	3/19/2012 12:25	0		0		0
18	3/19/2012 12:40	0		0		0
19	3/19/2012 12:55	0		0		0
20	3/19/2012 13:10	0		0		0
21	3/19/2012 13:25	0		0		0
22	3/19/2012 13:40	0		0		0
23	3/19/2012 13:55	0		0		0
24	3/19/2012 14:10	0		0		0
25	3/19/2012 14:25	0		0		0
26	3/19/2012 14:40	0		0		0
27	3/19/2012 14:55	0		0		0
28	3/19/2012 15:10	0		0		0
29	3/19/2012 15:25	0		0		0

```
=====
```

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 29
 Test Abbreviation:
 Start Date: 3/20/2012
 Start Time: 7:12:58
 Duration (dd:hh:mm:00:08:00:00)
 Time constant (seco) 10
 Log Interval (mm:ss) 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.025
	Minimum:	0.006
	Time of Minimum:	14:57:58
	Date of Minimum:	3/20/2012
	Maximum:	0.046
	Time of Maximum:	11:12:58
	Date of Maximum:	3/20/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/20/2012	7:27:58	0.019
3/20/2012	7:42:58	0.018
3/20/2012	7:57:58	0.028
3/20/2012	8:12:58	0.036
3/20/2012	8:27:58	0.028
3/20/2012	8:42:58	0.033
3/20/2012	8:57:58	0.036
3/20/2012	9:12:58	0.036
3/20/2012	9:27:58	0.031
3/20/2012	9:42:58	0.037
3/20/2012	9:57:58	0.035
3/20/2012	10:12:58	0.042
3/20/2012	10:27:58	0.033
3/20/2012	10:42:58	0.039
3/20/2012	10:57:58	0.041
3/20/2012	11:12:58	0.046
3/20/2012	11:27:58	0.034
3/20/2012	11:42:58	0.029

3/20/2012	11:57:58	0.015
3/20/2012	12:12:58	0.023
3/20/2012	12:27:58	0.01
3/20/2012	12:42:58	0.008
3/20/2012	12:57:58	0.009
3/20/2012	13:12:58	0.013
3/20/2012	13:27:58	0.009
3/20/2012	13:42:58	0.011
3/20/2012	13:57:58	0.021
3/20/2012	14:12:58	0.015
3/20/2012	14:27:58	0.042
3/20/2012	14:42:58	0.009
3/20/2012	14:57:58	0.006
3/20/2012	15:12:58	0.006

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000686

Data Points: 31 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/20/2012 07:08

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#

Date Time

Min(ppm) Alarm

Avg(ppm) Alarm

Max(ppm)

1	3/20/2012 7:26	0	0	0
2	3/20/2012 7:41	0	0	0
3	3/20/2012 7:56	0	0	0
4	3/20/2012 8:11	0	0	0
5	3/20/2012 8:26	0	0	0
6	3/20/2012 8:41	0	0	0
7	3/20/2012 8:56	0	0	0
8	3/20/2012 9:11	0	0	0
9	3/20/2012 9:26	0	0	0
10	3/20/2012 9:41	0	0	0
11	3/20/2012 9:56	0	0	0
12	3/20/2012 10:11	0	0	0
13	3/20/2012 10:26	0	0	0
14	3/20/2012 10:41	0	0	0
15	3/20/2012 10:56	0	0	0
16	3/20/2012 11:11	0	0	0
17	3/20/2012 11:26	0	0	0
18	3/20/2012 11:41	0	0	0
19	3/20/2012 11:56	0	0	0
20	3/20/2012 12:11	0	0	0
21	3/20/2012 12:26	0	0	0
22	3/20/2012 12:41	0	0	0
23	3/20/2012 12:56	0	0	0
24	3/20/2012 13:11	0	0	0
25	3/20/2012 13:26	0	0	0
26	3/20/2012 13:41	0	0	0
27	3/20/2012 13:56	0	0	0
28	3/20/2012 14:11	0	0	0
29	3/20/2012 14:26	0	0	0
30	3/20/2012 14:41	0	0	0
31	3/20/2012 14:56	0	0	0

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 1
 Test Abbreviation:
 Start Date: 3/21/2012
 Start Time: 7:23:56
 Duration (dd:hh:mm:ss): 00:08:15:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 33
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.003
	Minimum:		-0.001
	Time of Minimum:		15:28:56
	Date of Minimum:		3/21/2012
	Maximum:		0.035
	Time of Maximum:		12:58:56
	Date of Maximum:		3/21/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/21/2012	7:38:56		0.028
3/21/2012	7:53:56		0.009
3/21/2012	8:08:56		0.003
3/21/2012	8:23:56		0.002
3/21/2012	8:38:56		0.001
3/21/2012	8:53:56		0.001
3/21/2012	9:08:56		0.004
3/21/2012	9:23:56		0.001
3/21/2012	9:38:56		0
3/21/2012	9:53:56		0.001
3/21/2012	10:08:56		0
3/21/2012	10:23:56		0
3/21/2012	10:38:56		0
3/21/2012	10:53:56		0
3/21/2012	11:08:56		0.035
3/21/2012	11:23:56		0.011
3/21/2012	11:38:56		0.004
3/21/2012	11:53:56		0

3/21/2012	12:08:56	0.001
3/21/2012	12:23:56	0
3/21/2012	12:38:56	0
3/21/2012	12:53:56	0
3/21/2012	13:08:56	0.005
3/21/2012	13:23:56	0
3/21/2012	13:38:56	-0.001
3/21/2012	13:53:56	0
3/21/2012	14:08:56	0.001
3/21/2012	14:23:56	0.001
3/21/2012	14:38:56	0.002
3/21/2012	14:53:56	0.002
3/21/2012	15:08:56	0.001
3/21/2012	15:23:56	0
3/21/2012	15:38:56	0

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902706
User ID: 00000001 Site ID: 00000687
Data Points: 33 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/21/2012 07:19

=====

Measurement Type:	Min(ppm)	Avg(ppm)
High Alarm Levels:	10	10
Low Alarm Levels:	5	5

=====

=====

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

=====

1	3/21/2012 7:36	0		0		0
2	3/21/2012 7:51	0		0		0
3	3/21/2012 8:06	0		0		0
4	3/21/2012 8:21	0		0		0
5	3/21/2012 8:36	0		0		0
6	3/21/2012 8:51	0		0		0
7	3/21/2012 9:06	0		0		0
8	3/21/2012 9:21	0		0		0
9	3/21/2012 9:36	0		0		0
10	3/21/2012 9:51	0		0		0
11	3/21/2012 10:06	0		0		0
12	3/21/2012 10:21	0		0		0
13	3/21/2012 10:36	0		0		0
14	3/21/2012 10:51	0		0		0
15	3/21/2012 11:06	0		0		0
16	3/21/2012 11:21	0		0		0
17	3/21/2012 11:36	0		0		0
18	3/21/2012 11:51	0		0		0
19	3/21/2012 12:06	0		0		0
20	3/21/2012 12:21	0		0		0
21	3/21/2012 12:36	0		0		0
22	3/21/2012 12:51	0		0		0
23	3/21/2012 13:06	0		0		0
24	3/21/2012 13:21	0		0		0
25	3/21/2012 13:36	0		0		0
26	3/21/2012 13:51	0		0		0
27	3/21/2012 14:06	0		0		0
28	3/21/2012 14:21	0		0		0
29	3/21/2012 14:36	0		0		0
30	3/21/2012 14:51	0		0		0
31	3/21/2012 15:06	0		0		0
32	3/21/2012 15:21	0		0		0
33	3/21/2012 15:36	0		0		0

=====

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 2
 Test Abbreviation:
 Start Date: 3/22/2012
 Start Time: 7:40:47
 Duration (dd:hh:mm:ss 00:08:00:00
 Time constant (seconds) 10
 Log Interval (mm:ss): 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.028
	Minimum:		0.009
	Time of Minimum:		15:40:47
	Date of Minimum:		3/22/2012
	Maximum:		0.042
	Time of Maximum:		8:25:47
	Date of Maximum:		3/22/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m ³	
3/22/2012	7:55:47		0.028
3/22/2012	8:10:47		0.026
3/22/2012	8:25:47		0.042
3/22/2012	8:40:47		0.033
3/22/2012	8:55:47		0.031
3/22/2012	9:10:47		0.031
3/22/2012	9:25:47		0.029
3/22/2012	9:40:47		0.029
3/22/2012	9:55:47		0.029
3/22/2012	10:10:47		0.038
3/22/2012	10:25:47		0.028
3/22/2012	10:40:47		0.03
3/22/2012	10:55:47		0.038
3/22/2012	11:10:47		0.042
3/22/2012	11:25:47		0.039
3/22/2012	11:40:47		0.034
3/22/2012	11:55:47		0.037
3/22/2012	12:10:47		0.036

3/22/2012	12:25:47	0.029
3/22/2012	12:40:47	0.028
3/22/2012	12:55:47	0.026
3/22/2012	13:10:47	0.03
3/22/2012	13:25:47	0.018
3/22/2012	13:40:47	0.025
3/22/2012	13:55:47	0.029
3/22/2012	14:10:47	0.019
3/22/2012	14:25:47	0.017
3/22/2012	14:40:47	0.018
3/22/2012	14:55:47	0.015
3/22/2012	15:10:47	0.011
3/22/2012	15:25:47	0.012
3/22/2012	15:40:47	0.009

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000688

Data Points: 31 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/22/2012 07:28

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/22/2012 7:53	0		0		0
2	3/22/2012 8:08	0		0		0
3	3/22/2012 8:23	0		0		0
4	3/22/2012 8:38	0		0		0
5	3/22/2012 8:53	0		0		0
6	3/22/2012 9:08	0		0		0
7	3/22/2012 9:23	0		0		0
8	3/22/2012 9:38	0		0		0
9	3/22/2012 9:53	0		0		0
10	3/22/2012 10:08	0		0		0
11	3/22/2012 10:23	0		0		0
12	3/22/2012 10:38	0		0		0
13	3/22/2012 10:53	0		0		0
14	3/22/2012 11:08	0		0		0
15	3/22/2012 11:23	0		0		0
16	3/22/2012 11:38	0		0		0
17	3/22/2012 11:53	0		0		0
18	3/22/2012 12:08	0		0		0
19	3/22/2012 12:23	0		0		0
20	3/22/2012 12:38	0		0		0
21	3/22/2012 12:53	0		0		0
22	3/22/2012 13:08	0		0		0
23	3/22/2012 13:23	0		0		0
24	3/22/2012 13:38	0		0		0
25	3/22/2012 13:53	0		0		0
26	3/22/2012 14:08	0		0		0
27	3/22/2012 14:23	0		0		0
28	3/22/2012 14:38	0		0		0
29	3/22/2012 14:53	0		0		0
30	3/22/2012 15:08	0		0		0
31	3/22/2012 15:23	0		0		0

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 3
 Test Abbreviation:
 Start Date: 3/23/2012
 Start Time: 7:54:58
 Duration (dd:hh:mm:ss) 00:07:00:00
 Time constant (seconds) 10
 Log Interval (mm:ss): 15:00
 Number of points: 28
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.038
	Minimum:	0.021
	Time of Minimum:	11:24:58
	Date of Minimum:	3/23/2012
	Maximum:	0.096
	Time of Maximum:	10:54:58
	Date of Maximum:	3/23/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/23/2012	8:09:58	0.029
3/23/2012	8:24:58	0.088
3/23/2012	8:39:58	0.03
3/23/2012	8:54:58	0.033
3/23/2012	9:09:58	0.037
3/23/2012	9:24:58	0.088
3/23/2012	9:39:58	0.034
3/23/2012	9:54:58	0.032
3/23/2012	10:09:58	0.029
3/23/2012	10:24:58	0.028
3/23/2012	10:39:58	0.027
3/23/2012	10:54:58	0.096
3/23/2012	11:09:58	0.034
3/23/2012	11:24:58	0.021
3/23/2012	11:39:58	0.021
3/23/2012	11:54:58	0.031
3/23/2012	12:09:58	0.024
3/23/2012	12:24:58	0.027

3/23/2012	12:39:58	0.045
3/23/2012	12:54:58	0.029
3/23/2012	13:09:58	0.023
3/23/2012	13:24:58	0.05
3/23/2012	13:39:58	0.026
3/23/2012	13:54:58	0.026
3/23/2012	14:09:58	0.033
3/23/2012	14:24:58	0.031
3/23/2012	14:39:58	0.076
3/23/2012	14:54:58	0.03

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000689

Data Points: 27 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/23/2012 07:41

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#

Date Time

Min(ppm) Alarm

Avg(ppm) Alarm

Max(ppm)

1	3/23/2012 7:59	0		0		0
2	3/23/2012 8:14	0		0		0
3	3/23/2012 8:29	0		0		0
4	3/23/2012 8:44	0		0		0
5	3/23/2012 8:59	0		0		0
6	3/23/2012 9:14	0		0		0
7	3/23/2012 9:29	0		0		0
8	3/23/2012 9:44	0		0		0
9	3/23/2012 9:59	0		0		0
10	3/23/2012 10:14	0		0		0
11	3/23/2012 10:29	0		0		0
12	3/23/2012 10:44	0		0		0
13	3/23/2012 10:59	0		0		0
14	3/23/2012 11:14	0		0		0
15	3/23/2012 11:29	0		0		0
16	3/23/2012 11:44	0		0		0
17	3/23/2012 11:59	0		0		0
18	3/23/2012 12:14	0		0		0
19	3/23/2012 12:29	0		0		0
20	3/23/2012 12:44	0		0		0
21	3/23/2012 12:59	0		0		0
22	3/23/2012 13:14	0		0		0
23	3/23/2012 13:29	0		0		0
24	3/23/2012 13:44	0		0		0
25	3/23/2012 13:59	0		0		0.1
26	3/23/2012 14:14	0		0		0.1
27	3/23/2012 14:29	0		0		0

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 31
 Test Abbreviation:
 Start Date: 3/19/2012
 Start Time: 8:11:51
 Duration (dd:hh:mm:ss) 00:07:45:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 31
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.051
	Minimum:	0.023
	Time of Minimum:	15:56:51
	Date of Minimum:	3/19/2012
	Maximum:	0.092
	Time of Maximum:	10:41:51
	Date of Maximum:	3/19/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/19/2012	8:26:51	0.055
3/19/2012	8:41:51	0.073
3/19/2012	8:56:51	0.062
3/19/2012	9:11:51	0.054
3/19/2012	9:26:51	0.053
3/19/2012	9:41:51	0.06
3/19/2012	9:56:51	0.062
3/19/2012	10:11:51	0.064
3/19/2012	10:26:51	0.085
3/19/2012	10:41:51	0.092
3/19/2012	10:56:51	0.084
3/19/2012	11:11:51	0.062
3/19/2012	11:26:51	0.072
3/19/2012	11:41:51	0.073
3/19/2012	11:56:51	0.062
3/19/2012	12:11:51	0.058
3/19/2012	12:26:51	0.044
3/19/2012	12:41:51	0.045

3/19/2012	12:56:51	0.038
3/19/2012	13:11:51	0.045
3/19/2012	13:26:51	0.033
3/19/2012	13:41:51	0.034
3/19/2012	13:56:51	0.052
3/19/2012	14:11:51	0.03
3/19/2012	14:26:51	0.03
3/19/2012	14:41:51	0.029
3/19/2012	14:56:51	0.027
3/19/2012	15:11:51	0.037
3/19/2012	15:26:51	0.028
3/19/2012	15:41:51	0.026
3/19/2012	15:56:51	0.023

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001050
Data Points: 30 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/19/2012 07:41

=====

Measurement Type:	Min(ppm)	Avg(ppm)
High Alarm Levels:	5	5
Low Alarm Levels:	2.5	2.5

=====

=====

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

=====

1	3/19/2012 8:24	0		0		0.4
2	3/19/2012 8:39	0		0		0
3	3/19/2012 8:54	0		0		0
4	3/19/2012 9:09	0		0		0
5	3/19/2012 9:24	0		0		0.1
6	3/19/2012 9:39	0		0		0.2
7	3/19/2012 9:54	0		0		0.2
8	3/19/2012 10:09	0		0		0.4
9	3/19/2012 10:24	0		0		0.3
10	3/19/2012 10:39	0		0		0.3
11	3/19/2012 10:54	0		0		0.6
12	3/19/2012 11:09	0		0.1		0.3
13	3/19/2012 11:24	0		0.1		0.3
14	3/19/2012 11:39	0		0.1		0.3
15	3/19/2012 11:54	0		0.1		0.3
16	3/19/2012 12:09	0		0.1		0.3
17	3/19/2012 12:24	0		0		0.3
18	3/19/2012 12:39	0		0		0.2
19	3/19/2012 12:54	0		0		0.2
20	3/19/2012 13:09	0		0		0.2
21	3/19/2012 13:24	0		0		0.1
22	3/19/2012 13:39	0		0		0.1
23	3/19/2012 13:54	0		0		0.1
24	3/19/2012 14:09	0		0		0.1
25	3/19/2012 14:24	0		0		0.1
26	3/19/2012 14:39	0		0		0
27	3/19/2012 14:54	0		0		0
28	3/19/2012 15:09	0		0		0
29	3/19/2012 15:24	0		0		0
30	3/19/2012 15:39	0		0		0

=====

```
=====
Max(ppm)
    5
    2.5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 32
 Test Abbreviation:
 Start Date: 3/20/2012
 Start Time: 7:13:58
 Duration (dd:hh:mm:ss) 00:08:00:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.022
	Minimum:		0.01
	Time of Minimum:		14:58:58
	Date of Minimum:		3/20/2012
	Maximum:		0.051
	Time of Maximum:		11:13:58
	Date of Maximum:		3/20/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/20/2012	7:28:58	0.015	
3/20/2012	7:43:58	0.016	
3/20/2012	7:58:58	0.022	
3/20/2012	8:13:58	0.027	
3/20/2012	8:28:58	0.022	
3/20/2012	8:43:58	0.025	
3/20/2012	8:58:58	0.029	
3/20/2012	9:13:58	0.028	
3/20/2012	9:28:58	0.025	
3/20/2012	9:43:58	0.03	
3/20/2012	9:58:58	0.029	
3/20/2012	10:13:58	0.032	
3/20/2012	10:28:58	0.028	
3/20/2012	10:43:58	0.037	
3/20/2012	10:58:58	0.033	
3/20/2012	11:13:58	0.051	
3/20/2012	11:28:58	0.027	
3/20/2012	11:43:58	0.024	

3/20/2012	11:58:58	0.019
3/20/2012	12:13:58	0.023
3/20/2012	12:28:58	0.013
3/20/2012	12:43:58	0.011
3/20/2012	12:58:58	0.012
3/20/2012	13:13:58	0.018
3/20/2012	13:28:58	0.011
3/20/2012	13:43:58	0.014
3/20/2012	13:58:58	0.017
3/20/2012	14:13:58	0.015
3/20/2012	14:28:58	0.012
3/20/2012	14:43:58	0.012
3/20/2012	14:58:58	0.01
3/20/2012	15:13:58	0.01

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001052
Data Points: 31 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/20/2012 07:11

=====

Measurement Type:	Min(ppm)	Avg(ppm)
High Alarm Levels:	5	5
Low Alarm Levels:	2.5	2.5

=====

=====

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

=====

1	3/20/2012 7:26	0		0		0
2	3/20/2012 7:41	0		0		0
3	3/20/2012 7:56	0		0		0
4	3/20/2012 8:11	0		0		0
5	3/20/2012 8:26	0		0		0
6	3/20/2012 8:41	0		0		0.2
7	3/20/2012 8:56	0		0		0
8	3/20/2012 9:11	0		0		0.1
9	3/20/2012 9:26	0		0		0.1
10	3/20/2012 9:41	0		0		0.3
11	3/20/2012 9:56	0		0		0.1
12	3/20/2012 10:11	0		0		0.2
13	3/20/2012 10:26	0		0		0.3
14	3/20/2012 10:41	0		0		0.2
15	3/20/2012 10:56	0		0		0.2
16	3/20/2012 11:11	0		0		0.1
17	3/20/2012 11:26	0		0		0.5
18	3/20/2012 11:41	0		0		0.1
19	3/20/2012 11:56	0		0		0.2
20	3/20/2012 12:11	0		0		0
21	3/20/2012 12:26	0		0		0
22	3/20/2012 12:41	0		0		0
23	3/20/2012 12:56	0		0		0
24	3/20/2012 13:11	0		0		0
25	3/20/2012 13:26	0		0		0
26	3/20/2012 13:41	0		0		0
27	3/20/2012 13:56	0		0		0
28	3/20/2012 14:11	0		0		0
29	3/20/2012 14:26	0		0		0
30	3/20/2012 14:41	0		0		0
31	3/20/2012 14:56	0		0		0

=====

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 1
 Test Abbreviation:
 Start Date: 3/21/2012
 Start Time: 7:15:12
 Duration (dd:hh:mm:ss) 00:08:15:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 33
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.021
	Minimum:	0.007
	Time of Minimum:	15:30:12
	Date of Minimum:	3/21/2012
	Maximum:	0.093
	Time of Maximum:	13:00:12
	Date of Maximum:	3/21/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/21/2012	7:30:12	0.037
3/21/2012	7:45:12	0.03
3/21/2012	8:00:12	0.019
3/21/2012	8:15:12	0.014
3/21/2012	8:30:12	0.015
3/21/2012	8:45:12	0.019
3/21/2012	9:00:12	0.042
3/21/2012	9:15:12	0.015
3/21/2012	9:30:12	0.023
3/21/2012	9:45:12	0.042
3/21/2012	10:00:12	0.011
3/21/2012	10:15:12	0.012
3/21/2012	10:30:12	0.01
3/21/2012	10:45:12	0.01
3/21/2012	11:00:12	0.093
3/21/2012	11:15:12	0.079
3/21/2012	11:30:12	0.048
3/21/2012	11:45:12	0.018

3/21/2012	12:00:12	0.013
3/21/2012	12:15:12	0.011
3/21/2012	12:30:12	0.012
3/21/2012	12:45:12	0.036
3/21/2012	13:00:12	0.026
3/21/2012	13:15:12	0.008
3/21/2012	13:30:12	0.007
3/21/2012	13:45:12	0.007
3/21/2012	14:00:12	0.009
3/21/2012	14:15:12	0.009
3/21/2012	14:30:12	0.005
3/21/2012	14:45:12	0.004
3/21/2012	15:00:12	0.003
3/21/2012	15:15:12	0.003
3/21/2012	15:30:12	0.006

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001054

Data Points: 33 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/21/2012 07:08

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/21/2012 7:27	0		0		0.5
2	3/21/2012 7:42	0		0		0
3	3/21/2012 7:57	0		0		0
4	3/21/2012 8:12	0		0		0
5	3/21/2012 8:27	0		0		0.8
6	3/21/2012 8:42	0		0		0.2
7	3/21/2012 8:57	0		0		0
8	3/21/2012 9:12	0		0		0
9	3/21/2012 9:27	0		0		0
10	3/21/2012 9:42	0		0		0
11	3/21/2012 9:57	0		0		0
12	3/21/2012 10:12	0		0		0
13	3/21/2012 10:27	0		0		0
14	3/21/2012 10:42	0		0		0
15	3/21/2012 10:57	0		0		0
16	3/21/2012 11:12	0		0		0
17	3/21/2012 11:27	0		0		0
18	3/21/2012 11:42	0		0		0
19	3/21/2012 11:57	0		0		0
20	3/21/2012 12:12	0		0		0
21	3/21/2012 12:27	0		0		0
22	3/21/2012 12:42	0		0		0
23	3/21/2012 12:57	0		0		0
24	3/21/2012 13:12	0		0		0
25	3/21/2012 13:27	0		0		0
26	3/21/2012 13:42	0		0		0
27	3/21/2012 13:57	0		0		0
28	3/21/2012 14:12	0		0		0
29	3/21/2012 14:27	0		0		0
30	3/21/2012 14:42	0		0		0
31	3/21/2012 14:57	0		0		0
32	3/21/2012 15:12	0		0		0
33	3/21/2012 15:27	0		0		0

```
=====
Max(ppm)
    5
    2.5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 2
 Test Abbreviation:
 Start Date: 3/22/2012
 Start Time: 7:38:50
 Duration (dd:hh:mm:ss) 00:08:00:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.028
	Minimum:		0.013
	Time of Minimum:		15:38:50
	Date of Minimum:		3/22/2012
	Maximum:		0.043
	Time of Maximum:		10:08:50
	Date of Maximum:		3/22/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m ³	
3/22/2012	7:53:50	0.029	
3/22/2012	8:08:50	0.029	
3/22/2012	8:23:50	0.033	
3/22/2012	8:38:50	0.034	
3/22/2012	8:53:50	0.024	
3/22/2012	9:08:50	0.027	
3/22/2012	9:23:50	0.026	
3/22/2012	9:38:50	0.024	
3/22/2012	9:53:50	0.025	
3/22/2012	10:08:50	0.043	
3/22/2012	10:23:50	0.025	
3/22/2012	10:38:50	0.03	
3/22/2012	10:53:50	0.035	
3/22/2012	11:08:50	0.039	
3/22/2012	11:23:50	0.04	
3/22/2012	11:38:50	0.036	
3/22/2012	11:53:50	0.037	
3/22/2012	12:08:50	0.039	

3/22/2012	12:23:50	0.032
3/22/2012	12:38:50	0.03
3/22/2012	12:53:50	0.028
3/22/2012	13:08:50	0.031
3/22/2012	13:23:50	0.022
3/22/2012	13:38:50	0.03
3/22/2012	13:53:50	0.028
3/22/2012	14:08:50	0.022
3/22/2012	14:23:50	0.02
3/22/2012	14:38:50	0.022
3/22/2012	14:53:50	0.019
3/22/2012	15:08:50	0.015
3/22/2012	15:23:50	0.017
3/22/2012	15:38:50	0.013

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001056
Data Points: 31 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/22/2012 07:31

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)
High Alarm Levels:           5                   5
Low Alarm Levels:            2.5                  2.5
=====
```

```
=====
Line#   Date Time       Min(ppm) Alarm   Avg(ppm) Alarm   Max(ppm)
=====
```

1	3/22/2012 7:51	0		0		0
2	3/22/2012 8:06	0		0		0
3	3/22/2012 8:21	0		0		0
4	3/22/2012 8:36	0		0		0
5	3/22/2012 8:51	0		0		0
6	3/22/2012 9:06	0		0		0
7	3/22/2012 9:21	0		0		0
8	3/22/2012 9:36	0		0		0
9	3/22/2012 9:51	0		0		0
10	3/22/2012 10:06	0		0		0
11	3/22/2012 10:21	0		0		0
12	3/22/2012 10:36	0		0		0
13	3/22/2012 10:51	0		0		0
14	3/22/2012 11:06	0		0		0
15	3/22/2012 11:21	0		0		0
16	3/22/2012 11:36	0		0		0
17	3/22/2012 11:51	0		0		0
18	3/22/2012 12:06	0		0		0
19	3/22/2012 12:21	0		0		0
20	3/22/2012 12:36	0		0		0
21	3/22/2012 12:51	0		0		0
22	3/22/2012 13:06	0		0		0
23	3/22/2012 13:21	0		0		0
24	3/22/2012 13:36	0		0		0
25	3/22/2012 13:51	0		0		0
26	3/22/2012 14:06	0		0		0
27	3/22/2012 14:21	0		0		0
28	3/22/2012 14:36	0		0		0
29	3/22/2012 14:51	0		0		0
30	3/22/2012 15:06	0		0		0
31	3/22/2012 15:21	0		0		0

```
=====
```

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 3
 Test Abbreviation:
 Start Date: 3/23/2012
 Start Time: 7:56:05
 Duration (dd:hh:mm:ss) 00:07:00:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 28
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.045
	Minimum:	0.026
	Time of Minimum:	11:26:05
	Date of Minimum:	3/23/2012
	Maximum:	0.103
	Time of Maximum:	8:11:05
	Date of Maximum:	3/23/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/23/2012	8:11:05	0.103
3/23/2012	8:26:05	0.043
3/23/2012	8:41:05	0.028
3/23/2012	8:56:05	0.032
3/23/2012	9:11:05	0.037
3/23/2012	9:26:05	0.088
3/23/2012	9:41:05	0.034
3/23/2012	9:56:05	0.031
3/23/2012	10:11:05	0.028
3/23/2012	10:26:05	0.03
3/23/2012	10:41:05	0.029
3/23/2012	10:56:05	0.049
3/23/2012	11:11:05	0.03
3/23/2012	11:26:05	0.026
3/23/2012	11:41:05	0.076
3/23/2012	11:56:05	0.032
3/23/2012	12:11:05	0.032
3/23/2012	12:26:05	0.039

3/23/2012	12:41:05	0.044
3/23/2012	12:56:05	0.028
3/23/2012	13:11:05	0.029
3/23/2012	13:26:05	0.035
3/23/2012	13:41:05	0.037
3/23/2012	13:56:05	0.03
3/23/2012	14:11:05	0.033
3/23/2012	14:26:05	0.082
3/23/2012	14:41:05	0.072
3/23/2012	14:56:05	0.099

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 902684
User ID: 00000001 Site ID: 00001057
Data Points: 27 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/23/2012 07:44

=====

Measurement Type:	Min(ppm)	Avg(ppm)
High Alarm Levels:	5	5
Low Alarm Levels:	2.5	2.5

=====

=====

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

=====

1	3/23/2012 7:59	0		0		0
2	3/23/2012 8:14	0		0		0
3	3/23/2012 8:29	0		0		0
4	3/23/2012 8:44	0		0		0
5	3/23/2012 8:59	0		0		0
6	3/23/2012 9:14	0		0		0
7	3/23/2012 9:29	0		0		0
8	3/23/2012 9:44	0		0		0
9	3/23/2012 9:59	0		0		0
10	3/23/2012 10:14	0		0		0
11	3/23/2012 10:29	0		0		7.1
12	3/23/2012 10:44	0		0		0.2
13	3/23/2012 10:59	0		0		0
14	3/23/2012 11:14	0		0		0
15	3/23/2012 11:29	0		0		0
16	3/23/2012 11:44	0		0		0
17	3/23/2012 11:59	0		0		0.1
18	3/23/2012 12:14	0		0		0
19	3/23/2012 12:29	0		0		0
20	3/23/2012 12:44	0		0		0
21	3/23/2012 12:59	0		0		9.6
22	3/23/2012 13:14	0		0		0
23	3/23/2012 13:29	0		0		0
24	3/23/2012 13:44	0		0		0
25	3/23/2012 13:59	0		0		0.2
26	3/23/2012 14:14	0		0		0
27	3/23/2012 14:29	0		0		0

=====

```
=====
Max(ppm)
    5
    2.5
=====
Alarm
=====
```

H

H

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000025

Data Points: 30 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/19/2012 07:44

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/19/2012 8:20	0.1		0.2		0.3
2	3/19/2012 8:35	0.2		0.3		0.4
3	3/19/2012 8:50	0.3		0.3		0.4
4	3/19/2012 9:05	0.4		0.4		0.5
5	3/19/2012 9:20	0.4		0.4		0.6
6	3/19/2012 9:35	0.4		0.5		0.6
7	3/19/2012 9:50	0.5		0.5		0.6
8	3/19/2012 10:05	0.5		0.5		0.7
9	3/19/2012 10:20	0.6		0.6		0.7
10	3/19/2012 10:35	0.6		0.6		0.7
11	3/19/2012 10:50	0.6		0.6		0.8
12	3/19/2012 11:05	0.6		0.7		0.8
13	3/19/2012 11:20	0.6		0.7		0.9
14	3/19/2012 11:35	0.5		0.6		1
15	3/19/2012 11:50	0.5		0.6		0.8
16	3/19/2012 12:05	0.5		0.5		0.8
17	3/19/2012 12:20	0.4		0.4		0.8
18	3/19/2012 12:35	0.4		0.5		1
19	3/19/2012 12:50	0.4		0.4		1.3
20	3/19/2012 13:05	0.4		0.4		1.1
21	3/19/2012 13:20	0.4		0.5		1.9
22	3/19/2012 13:35	0.4		0.5		1.4
23	3/19/2012 13:50	0.4		0.6		1.1
24	3/19/2012 14:05	0.5		0.8		1.5
25	3/19/2012 14:20	0.4		0.6		1.4
26	3/19/2012 14:35	0.3		0.4		0.9
27	3/19/2012 14:50	0.3		0.3		0.7
28	3/19/2012 15:05	0.3		0.4		1.2
29	3/19/2012 15:20	0.3		0.3		3
30	3/19/2012 15:35	0.3		0.3		1.3

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```


Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013544

User ID: 00000001 Site ID: 00000667

Data Points: 32 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/20/2012 07:37

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/20/2012 8:05			0		0
2	3/20/2012 8:20			0		0
3	3/20/2012 8:35			0		0
4	3/20/2012 8:50			0		0
5	3/20/2012 9:05			0		0
6	3/20/2012 9:20			0		0
7	3/20/2012 9:35			0		0.1
8	3/20/2012 9:50			0		0
9	3/20/2012 10:05			0		0
10	3/20/2012 10:20			0		0.1
11	3/20/2012 10:35			0		0.1
12	3/20/2012 10:50			0		0
13	3/20/2012 11:05			0		0
14	3/20/2012 11:20			0		0
15	3/20/2012 11:35			0		0
16	3/20/2012 11:50			0		0.1
17	3/20/2012 12:05			0		0
18	3/20/2012 12:20			0		0
19	3/20/2012 12:35			0		0
20	3/20/2012 12:50			0		0
21	3/20/2012 13:05			0		0
22	3/20/2012 13:20			0		0
23	3/20/2012 13:35			0		0
24	3/20/2012 13:50			0		0
25	3/20/2012 14:05			0		0
26	3/20/2012 14:20			0		0
27	3/20/2012 14:35			0		0
28	3/20/2012 14:50			0		0
29	3/20/2012 15:05			0		0
30	3/20/2012 15:20			0		0
31	3/20/2012 15:35			0		0
32	3/20/2012 15:50			0		0

=====

Max(ppm)

5

2.5

=====

Alarm

=====

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013549

User ID: 00000001 Site ID: 00000031

Data Points: 30 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/21/2012 07:34

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/21/2012 8:01	0.1		0.1		0.2
2	3/21/2012 8:16	0.2		0.2		0.3
3	3/21/2012 8:31	0.3		0.3		0.4
4	3/21/2012 8:46	0.3		0.3		0.4
5	3/21/2012 9:01	0.4		0.4		0.4
6	3/21/2012 9:16	0.4		0.4		0.4
7	3/21/2012 9:31	0.4		0.4		0.5
8	3/21/2012 9:46	0.4		0.4		0.5
9	3/21/2012 10:01	0.5		0.5		0.5
10	3/21/2012 10:16	0.4		0.4		0.5
11	3/21/2012 10:31	0.4		0.4		0.5
12	3/21/2012 10:46	0.5		0.5		0.6
13	3/21/2012 11:01	0.5		0.5		0.6
14	3/21/2012 11:16	0.5		0.5		0.6
15	3/21/2012 11:31	0.6		0.6		0.6
16	3/21/2012 11:46	0.5		0.5		0.6
17	3/21/2012 12:01	0.5		0.5		0.5
18	3/21/2012 12:16	0.5		0.5		0.5
19	3/21/2012 12:31	0.4		0.4		0.5
20	3/21/2012 12:46	0.4		0.5		0.6
21	3/21/2012 13:01	0.5		0.5		0.5
22	3/21/2012 13:16	0.5		0.5		0.5
23	3/21/2012 13:31	0.5		0.5		0.5
24	3/21/2012 13:46	0.5		0.5		0.5
25	3/21/2012 14:01	0.5		0.5		0.5
26	3/21/2012 14:16	0.5		0.5		0.5
27	3/21/2012 14:31	0.5		0.5		0.5
28	3/21/2012 14:46	0.5		0.5		0.5
29	3/21/2012 15:01	0.5		0.5		0.5
30	3/21/2012 15:16	0.5		0.5		0.5

=====

Max(ppm)

10

5

=====

Alarm

=====

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013544

User ID: 00000001 Site ID: 00000664

Data Points: 31 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/22/2012 07:31

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/22/2012 7:55			0		0.1
2	3/22/2012 8:10			0		0.1
3	3/22/2012 8:25			0		0.1
4	3/22/2012 8:40			0		0.1
5	3/22/2012 8:55			0.1		0.2
6	3/22/2012 9:10			0.1		0.2
7	3/22/2012 9:25			0.1		0.3
8	3/22/2012 9:40			0.1		0.3
9	3/22/2012 9:55			0.2		0.4
10	3/22/2012 10:10			0.2		0.4
11	3/22/2012 10:25			0		0.3
12	3/22/2012 10:40			0		0.6
13	3/22/2012 10:55			0		0.1
14	3/22/2012 11:10			0		0.1
15	3/22/2012 11:25			0		0.3
16	3/22/2012 11:40			0		0.3
17	3/22/2012 11:55			0		0.4
18	3/22/2012 12:10			0		0.2
19	3/22/2012 12:25			0		0.1
20	3/22/2012 12:40			0		0.6
21	3/22/2012 12:55			0.1		1.1
22	3/22/2012 13:10			0.3		1.1
23	3/22/2012 13:25			0.2		1.8
24	3/22/2012 13:40			0.1		1.7
25	3/22/2012 13:55			0		0.6
26	3/22/2012 14:10			0.1		1
27	3/22/2012 14:25			0.1		1.8
28	3/22/2012 14:40			0		0.4
29	3/22/2012 14:55			0		1
30	3/22/2012 15:10			0		0
31	3/22/2012 15:25			0		0.3

=====

Max(ppm)

5

2.5

=====

Alarm

=====

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013544

User ID: 00000001 Site ID: 00000665

Data Points: 28 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/23/2012 07:38

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)

1	3/23/2012 7:54			0		0.1
2	3/23/2012 8:09			0		0
3	3/23/2012 8:24			0		0
4	3/23/2012 8:39			0		0.1
5	3/23/2012 8:54			0		0.1
6	3/23/2012 9:09			0		0
7	3/23/2012 9:24			0		0
8	3/23/2012 9:39			0		0.2
9	3/23/2012 9:54			0		0
10	3/23/2012 10:09			0		0
11	3/23/2012 10:24			0		0.2
12	3/23/2012 10:39			0		1.1
13	3/23/2012 10:54			0		0.2
14	3/23/2012 11:09			0		0.2
15	3/23/2012 11:24			0		0.1
16	3/23/2012 11:39			0		0.3
17	3/23/2012 11:54			0		0.2
18	3/23/2012 12:09			0		0.7
19	3/23/2012 12:24			0		0.8
20	3/23/2012 12:39			0.1		0.9
21	3/23/2012 12:54			0.4		1.1
22	3/23/2012 13:09			0.3		0.8
23	3/23/2012 13:24			0.2		0.8
24	3/23/2012 13:39			0.3		1.2
25	3/23/2012 13:54			0.4		0.9
26	3/23/2012 14:09			0.3		1.2
27	3/23/2012 14:24			0.4		0.8
28	3/23/2012 14:39			0.3		1

```
=====
Max(ppm)
    5
    2.5
=====
Alarm
=====
```


TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 13
 Test Abbreviation:
 Start Date: 3/19/2012
 Start Time: 8:06:05
 Duration (dd:hh:mm:ss) 00:07:45:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 31
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.051
	Minimum:		0.029
	Time of Minimum:		15:51:05
	Date of Minimum:		3/19/2012
	Maximum:		0.067
	Time of Maximum:		10:36:05
	Date of Maximum:		3/19/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/19/2012	8:21:05	0.058	
3/19/2012	8:36:05	0.06	
3/19/2012	8:51:05	0.06	
3/19/2012	9:06:05	0.059	
3/19/2012	9:21:05	0.063	
3/19/2012	9:36:05	0.064	
3/19/2012	9:51:05	0.064	
3/19/2012	10:06:05	0.064	
3/19/2012	10:21:05	0.066	
3/19/2012	10:36:05	0.067	
3/19/2012	10:51:05	0.067	
3/19/2012	11:06:05	0.067	
3/19/2012	11:21:05	0.067	
3/19/2012	11:36:05	0.063	
3/19/2012	11:51:05	0.06	
3/19/2012	12:06:05	0.057	
3/19/2012	12:21:05	0.052	
3/19/2012	12:36:05	0.047	

3/19/2012	12:51:05	0.046
3/19/2012	13:06:05	0.042
3/19/2012	13:21:05	0.035
3/19/2012	13:36:05	0.034
3/19/2012	13:51:05	0.034
3/19/2012	14:06:05	0.035
3/19/2012	14:21:05	0.032
3/19/2012	14:36:05	0.03
3/19/2012	14:51:05	0.034
3/19/2012	15:06:05	0.04
3/19/2012	15:21:05	0.043
3/19/2012	15:36:05	0.035
3/19/2012	15:51:05	0.029

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 14
 Test Abbreviation:
 Start Date: 3/20/2012
 Start Time: 7:22:07
 Duration (dd:hh:mm:ss): 00:08:00:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.02
	Minimum:	0.009
	Time of Minimum:	14:52:07
	Date of Minimum:	3/20/2012
	Maximum:	0.031
	Time of Maximum:	10:37:07
	Date of Maximum:	3/20/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/20/2012	7:37:07	0.016
3/20/2012	7:52:07	0.018
3/20/2012	8:07:07	0.023
3/20/2012	8:22:07	0.023
3/20/2012	8:37:07	0.022
3/20/2012	8:52:07	0.026
3/20/2012	9:07:07	0.03
3/20/2012	9:22:07	0.03
3/20/2012	9:37:07	0.028
3/20/2012	9:52:07	0.028
3/20/2012	10:07:07	0.029
3/20/2012	10:22:07	0.029
3/20/2012	10:37:07	0.031
3/20/2012	10:52:07	0.031
3/20/2012	11:07:07	0.029
3/20/2012	11:22:07	0.028
3/20/2012	11:37:07	0.026
3/20/2012	11:52:07	0.019

3/20/2012	12:07:07	0.017
3/20/2012	12:22:07	0.014
3/20/2012	12:37:07	0.012
3/20/2012	12:52:07	0.012
3/20/2012	13:07:07	0.012
3/20/2012	13:22:07	0.012
3/20/2012	13:37:07	0.011
3/20/2012	13:52:07	0.011
3/20/2012	14:07:07	0.01
3/20/2012	14:22:07	0.011
3/20/2012	14:37:07	0.01
3/20/2012	14:52:07	0.009
3/20/2012	15:07:07	0.015
3/20/2012	15:22:07	0.012

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 1
 Test Abbreviation:
 Start Date: 3/21/2012
 Start Time: 7:18:17
 Duration (dd:hh:mm:ss) 00:08:15:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 33
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.01
	Minimum:	0.002
	Time of Minimum:	14:03:17
	Date of Minimum:	3/21/2012
	Maximum:	0.025
	Time of Maximum:	9:33:17
	Date of Maximum:	3/21/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/21/2012	7:33:17	0.025
3/21/2012	7:48:17	0.021
3/21/2012	8:03:17	0.014
3/21/2012	8:18:17	0.01
3/21/2012	8:33:17	0.01
3/21/2012	8:48:17	0.01
3/21/2012	9:03:17	0.011
3/21/2012	9:18:17	0.01
3/21/2012	9:33:17	0.01
3/21/2012	9:48:17	0.013
3/21/2012	10:03:17	0.011
3/21/2012	10:18:17	0.011
3/21/2012	10:33:17	0.013
3/21/2012	10:48:17	0.012
3/21/2012	11:03:17	0.011
3/21/2012	11:18:17	0.011
3/21/2012	11:33:17	0.012
3/21/2012	11:48:17	0.017

3/21/2012	12:03:17	0.012
3/21/2012	12:18:17	0.011
3/21/2012	12:33:17	0.023
3/21/2012	12:48:17	0.014
3/21/2012	13:03:17	0.007
3/21/2012	13:18:17	0.008
3/21/2012	13:33:17	0.007
3/21/2012	13:48:17	0.003
3/21/2012	14:03:17	0.002
3/21/2012	14:18:17	0.003
3/21/2012	14:33:17	0.002
3/21/2012	14:48:17	0.002
3/21/2012	15:03:17	0.002
3/21/2012	15:18:17	0.002
3/21/2012	15:33:17	0.002

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 2
 Test Abbreviation:
 Start Date: 3/22/2012
 Start Time: 7:43:59
 Duration (dd:hh:mm:00:08:00:00)
 Time constant (seconds): 1
 Log Interval (mm:ss) 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.031
	Minimum:		0.018
	Time of Minimum:		14:58:59
	Date of Minimum:		3/22/2012
	Maximum:		0.049
	Time of Maximum:		11:13:59
	Date of Maximum:		3/22/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/22/2012	7:58:59		0.023
3/22/2012	8:13:59		0.024
3/22/2012	8:28:59		0.026
3/22/2012	8:43:59		0.025
3/22/2012	8:58:59		0.027
3/22/2012	9:13:59		0.029
3/22/2012	9:28:59		0.027
3/22/2012	9:43:59		0.028
3/22/2012	9:58:59		0.03
3/22/2012	10:13:59		0.03
3/22/2012	10:28:59		0.028
3/22/2012	10:43:59		0.035
3/22/2012	10:58:59		0.045
3/22/2012	11:13:59		0.049
3/22/2012	11:28:59		0.049
3/22/2012	11:43:59		0.041
3/22/2012	11:58:59		0.049
3/22/2012	12:13:59		0.042

3/22/2012	12:28:59	0.035
3/22/2012	12:43:59	0.033
3/22/2012	12:58:59	0.031
3/22/2012	13:13:59	0.029
3/22/2012	13:28:59	0.026
3/22/2012	13:43:59	0.027
3/22/2012	13:58:59	0.03
3/22/2012	14:13:59	0.025
3/22/2012	14:28:59	0.022
3/22/2012	14:43:59	0.032
3/22/2012	14:58:59	0.018
3/22/2012	15:13:59	0.018
3/22/2012	15:28:59	0.018
3/22/2012	15:43:59	0.047

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 3
 Test Abbreviation:
 Start Date: 3/23/2012
 Start Time: 7:51:20
 Duration (dd:hh:mm:ss) 00:07:00:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 28
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.034
	Minimum:		0.013
	Time of Minimum:		14:21:20
	Date of Minimum:		3/23/2012
	Maximum:		0.073
	Time of Maximum:		12:36:20
	Date of Maximum:		3/23/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m ³	
3/23/2012	8:06:20	0.029	
3/23/2012	8:21:20	0.035	
3/23/2012	8:36:20	0.034	
3/23/2012	8:51:20	0.036	
3/23/2012	9:06:20	0.036	
3/23/2012	9:21:20	0.065	
3/23/2012	9:36:20	0.044	
3/23/2012	9:51:20	0.037	
3/23/2012	10:06:20	0.035	
3/23/2012	10:21:20	0.035	
3/23/2012	10:36:20	0.07	
3/23/2012	10:51:20	0.039	
3/23/2012	11:06:20	0.032	
3/23/2012	11:21:20	0.03	
3/23/2012	11:36:20	0.027	
3/23/2012	11:51:20	0.028	
3/23/2012	12:06:20	0.027	
3/23/2012	12:21:20	0.028	

3/23/2012	12:36:20	0.073
3/23/2012	12:51:20	0.035
3/23/2012	13:06:20	0.025
3/23/2012	13:21:20	0.019
3/23/2012	13:36:20	0.038
3/23/2012	13:51:20	0.026
3/23/2012	14:06:20	0.018
3/23/2012	14:21:20	0.013
3/23/2012	14:36:20	0.016
3/23/2012	14:51:20	0.016

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 4
 Test Abbreviation:
 Start Date: 3/26/2012
 Start Time: 8:00:02
 Duration (dd:hh:mm:ss) 00:08:15:00
 Time constant (seconds) 10
 Log Interval (mm:ss): 15:00
 Number of points: 33
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.046
	Minimum:	0.03
	Time of Minimum:	15:30:02
	Date of Minimum:	3/26/2012
	Maximum:	0.058
	Time of Maximum:	11:30:02
	Date of Maximum:	3/26/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/26/2012	8:15:02	0.04
3/26/2012	8:30:02	0.033
3/26/2012	8:45:02	0.036
3/26/2012	9:00:02	0.038
3/26/2012	9:15:02	0.04
3/26/2012	9:30:02	0.042
3/26/2012	9:45:02	0.044
3/26/2012	10:00:02	0.044
3/26/2012	10:15:02	0.045
3/26/2012	10:30:02	0.049
3/26/2012	10:45:02	0.05
3/26/2012	11:00:02	0.056
3/26/2012	11:15:02	0.056
3/26/2012	11:30:02	0.058
3/26/2012	11:45:02	0.056
3/26/2012	12:00:02	0.054
3/26/2012	12:15:02	0.05
3/26/2012	12:30:02	0.046

3/26/2012	12:45:02	0.045
3/26/2012	13:00:02	0.047
3/26/2012	13:15:02	0.047
3/26/2012	13:30:02	0.049
3/26/2012	13:45:02	0.053
3/26/2012	14:00:02	0.053
3/26/2012	14:15:02	0.05
3/26/2012	14:30:02	0.049
3/26/2012	14:45:02	0.048
3/26/2012	15:00:02	0.043
3/26/2012	15:15:02	0.04
3/26/2012	15:30:02	0.03
3/26/2012	15:45:02	0.035
3/26/2012	16:00:02	0.045
3/26/2012	16:15:02	0.055

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000690

Data Points: 32 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/26/2012 07:42

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/26/2012 8:12	0		0		0
2	3/26/2012 8:27	0		0		0
3	3/26/2012 8:42	0		0		0.2
4	3/26/2012 8:57	0		0		0
5	3/26/2012 9:12	0		0		0
6	3/26/2012 9:27	0		0		0.1
7	3/26/2012 9:42	0		0		0.1
8	3/26/2012 9:57	0		0		0.1
9	3/26/2012 10:12	0		0		0.2
10	3/26/2012 10:27	0		0		0.3
11	3/26/2012 10:42	0		0		0.1
12	3/26/2012 10:57	0		0		0.1
13	3/26/2012 11:12	0		0		0.1
14	3/26/2012 11:27	0		0		0.6
15	3/26/2012 11:42	0		0		0.2
16	3/26/2012 11:57	0		0		0.1
17	3/26/2012 12:12	0		0		0.1
18	3/26/2012 12:27	0		0		0.1
19	3/26/2012 12:42	0		0		0.1
20	3/26/2012 12:57	0		0		0.1
21	3/26/2012 13:12	0		0		0.1
22	3/26/2012 13:27	0		0		0.1
23	3/26/2012 13:42	0		0		0.5
24	3/26/2012 13:57	0		0		0.1
25	3/26/2012 14:12	0		0		0.1
26	3/26/2012 14:27	0		0		0.1
27	3/26/2012 14:42	0.1		0.1		0.3
28	3/26/2012 14:57	0.1		0.1		0.2
29	3/26/2012 15:12	0		0		0.1
30	3/26/2012 15:27	0		0		0.1
31	3/26/2012 15:42	0		0		0.2
32	3/26/2012 15:57	0		0		0.1

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 5
 Test Abbreviation:
 Start Date: 3/27/2012
 Start Time: 7:51:11
 Duration (dd:hh:mm:ss): 00:08:00:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.003
	Minimum:		0.001
	Time of Minimum:		8:21:11
	Date of Minimum:		3/27/2012
	Maximum:		0.008
	Time of Maximum:		13:36:11
	Date of Maximum:		3/27/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m ³	
3/27/2012	8:06:11		0.005
3/27/2012	8:21:11		0.001
3/27/2012	8:36:11		0.002
3/27/2012	8:51:11		0.002
3/27/2012	9:06:11		0.003
3/27/2012	9:21:11		0.004
3/27/2012	9:36:11		0.003
3/27/2012	9:51:11		0.003
3/27/2012	10:06:11		0.003
3/27/2012	10:21:11		0.003
3/27/2012	10:36:11		0.004
3/27/2012	10:51:11		0.003
3/27/2012	11:06:11		0.003
3/27/2012	11:21:11		0.003
3/27/2012	11:36:11		0.003
3/27/2012	11:51:11		0.003
3/27/2012	12:06:11		0.002
3/27/2012	12:21:11		0.002

3/27/2012	12:36:11	0.002
3/27/2012	12:51:11	0.002
3/27/2012	13:06:11	0.002
3/27/2012	13:21:11	0.002
3/27/2012	13:36:11	0.008
3/27/2012	13:51:11	0.003
3/27/2012	14:06:11	0.003
3/27/2012	14:21:11	0.004
3/27/2012	14:36:11	0.003
3/27/2012	14:51:11	0.004
3/27/2012	15:06:11	0.002
3/27/2012	15:21:11	0.003
3/27/2012	15:36:11	0.002
3/27/2012	15:51:11	0.004

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000691

Data Points: 31 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/27/2012 07:37

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/27/2012 8:04	0		0		0
2	3/27/2012 8:19	0		0		0
3	3/27/2012 8:34	0		0		0
4	3/27/2012 8:49	0		0		0
5	3/27/2012 9:04	0		0		0
6	3/27/2012 9:19	0		0		0
7	3/27/2012 9:34	0		0		0
8	3/27/2012 9:49	0		0		0
9	3/27/2012 10:04	0		0		0
10	3/27/2012 10:19	0		0		0
11	3/27/2012 10:34	0		0		0
12	3/27/2012 10:49	0		0		0
13	3/27/2012 11:04	0		0		0
14	3/27/2012 11:19	0		0		0.1
15	3/27/2012 11:34	0		0		0.1
16	3/27/2012 11:49	0		0		0.1
17	3/27/2012 12:04	0		0		0.1
18	3/27/2012 12:19	0		0		0.1
19	3/27/2012 12:34	0		0		0
20	3/27/2012 12:49	0		0		0.1
21	3/27/2012 13:04	0		0		0.1
22	3/27/2012 13:19	0		0		0.1
23	3/27/2012 13:34	0		0		0
24	3/27/2012 13:49	0		0		0.1
25	3/27/2012 14:04	0		0		0.1
26	3/27/2012 14:19	0		0		0
27	3/27/2012 14:34	0		0		0.2
28	3/27/2012 14:49	0		0		0
29	3/27/2012 15:04	0		0		0.1
30	3/27/2012 15:19	0		0		0.1
31	3/27/2012 15:34	0		0		0.5

=====

Max(ppm)

10

5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201925
 Test ID: 6
 Test Abbreviation:
 Start Date: 3/28/2012
 Start Time: 7:48:35
 Duration (dd:hh:mm:ss): 00:07:45:00
 Time constant (seconds): 10
 Log Interval (mm:ss): 15:00
 Number of points: 31
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.025
	Minimum:		0.012
	Time of Minimum:		15:03:35
	Date of Minimum:		3/28/2012
	Maximum:		0.073
	Time of Maximum:		8:33:35
	Date of Maximum:		3/28/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/28/2012	8:03:35		0.02
3/28/2012	8:18:35		0.033
3/28/2012	8:33:35		0.073
3/28/2012	8:48:35		0.041
3/28/2012	9:03:35		0.065
3/28/2012	9:18:35		0.069
3/28/2012	9:33:35		0.029
3/28/2012	9:48:35		0.022
3/28/2012	10:03:35		0.038
3/28/2012	10:18:35		0.025
3/28/2012	10:33:35		0.021
3/28/2012	10:48:35		0.021
3/28/2012	11:03:35		0.02
3/28/2012	11:18:35		0.016
3/28/2012	11:33:35		0.019
3/28/2012	11:48:35		0.014
3/28/2012	12:03:35		0.019
3/28/2012	12:18:35		0.016

3/28/2012	12:33:35	0.018
3/28/2012	12:48:35	0.018
3/28/2012	13:03:35	0.018
3/28/2012	13:18:35	0.022
3/28/2012	13:33:35	0.018
3/28/2012	13:48:35	0.018
3/28/2012	14:03:35	0.016
3/28/2012	14:18:35	0.016
3/28/2012	14:33:35	0.015
3/28/2012	14:48:35	0.013
3/28/2012	15:03:35	0.012
3/28/2012	15:18:35	0.013
3/28/2012	15:33:35	0.014

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902706

User ID: 00000001 Site ID: 00000693

Data Points: 30 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/28/2012 07:25

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

10

10

Low Alarm Levels:

5

5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/28/2012 8:01	0		0		0
2	3/28/2012 8:16	0		0		0
3	3/28/2012 8:31	0		0		0.1
4	3/28/2012 8:46	0		0		0.3
5	3/28/2012 9:01	0		0		0.2
6	3/28/2012 9:16	0		0		0.2
7	3/28/2012 9:31	0		0		0.1
8	3/28/2012 9:46	0		0		0.2
9	3/28/2012 10:01	0		0		0.6
10	3/28/2012 10:16	0		0		0.2
11	3/28/2012 10:31	0		0		0.3
12	3/28/2012 10:46	0		0		0.3
13	3/28/2012 11:01	0		0		0.1
14	3/28/2012 11:16	0		0		0.1
15	3/28/2012 11:31	0		0		0.1
16	3/28/2012 11:46	0		0		1.5
17	3/28/2012 12:01	0		0		0.2
18	3/28/2012 12:16	0		0		0.1
19	3/28/2012 12:31	0		0		0.1
20	3/28/2012 12:46	0		0		0.2
21	3/28/2012 13:01	0		0		0.1
22	3/28/2012 13:16	0		0		1.4
23	3/28/2012 13:31	0		0		0.3
24	3/28/2012 13:46	0		0		0.2
25	3/28/2012 14:01	0		0		0
26	3/28/2012 14:16	0		0		0.1
27	3/28/2012 14:31	0		0		0
28	3/28/2012 14:46	0		0		0
29	3/28/2012 15:01	0		0		0.3
30	3/28/2012 15:16	0		0		0

```
=====
Max(ppm)
    10
    5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 4
 Test Abbreviation:
 Start Date: 3/26/2012
 Start Time: 8:02:02
 Duration (dd:hh:mm:ss): 00:08:15:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 33
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.033
	Minimum:	0.026
	Time of Minimum:	14:17:02
	Date of Minimum:	3/26/2012
	Maximum:	0.047
	Time of Maximum:	8:32:02
	Date of Maximum:	3/26/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/26/2012	8:17:02	0.041
3/26/2012	8:32:02	0.047
3/26/2012	8:47:02	0.045
3/26/2012	9:02:02	0.045
3/26/2012	9:17:02	0.046
3/26/2012	9:32:02	0.042
3/26/2012	9:47:02	0.04
3/26/2012	10:02:02	0.036
3/26/2012	10:17:02	0.033
3/26/2012	10:32:02	0.029
3/26/2012	10:47:02	0.031
3/26/2012	11:02:02	0.029
3/26/2012	11:17:02	0.027
3/26/2012	11:32:02	0.031
3/26/2012	11:47:02	0.032
3/26/2012	12:02:02	0.032
3/26/2012	12:17:02	0.037
3/26/2012	12:32:02	0.036

3/26/2012	12:47:02	0.031
3/26/2012	13:02:02	0.033
3/26/2012	13:17:02	0.03
3/26/2012	13:32:02	0.034
3/26/2012	13:47:02	0.033
3/26/2012	14:02:02	0.03
3/26/2012	14:17:02	0.026
3/26/2012	14:32:02	0.027
3/26/2012	14:47:02	0.027
3/26/2012	15:02:02	0.038
3/26/2012	15:17:02	0.029
3/26/2012	15:32:02	0.028
3/26/2012	15:47:02	0.028
3/26/2012	16:02:02	0.029
3/26/2012	16:17:02	0.031

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001061

Data Points: 32 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/26/2012 07:46

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/26/2012 8:15	0		0		0
2	3/26/2012 8:30	0		0		0
3	3/26/2012 8:45	0		0		0
4	3/26/2012 9:00	0		0		0
5	3/26/2012 9:15	0		0		0
6	3/26/2012 9:30	0		0		0
7	3/26/2012 9:45	0		0		0
8	3/26/2012 10:00	0		0		0
9	3/26/2012 10:15	0		0		0.2
10	3/26/2012 10:30	0		0		0
11	3/26/2012 10:45	0		0		0
12	3/26/2012 11:00	0		0		0
13	3/26/2012 11:15	0		0		0
14	3/26/2012 11:30	0		0		0
15	3/26/2012 11:45	0		0		0
16	3/26/2012 12:00	0		0		0
17	3/26/2012 12:15	0		0		0
18	3/26/2012 12:30	0		0		0
19	3/26/2012 12:45	0		0		0
20	3/26/2012 13:00	0		0		0
21	3/26/2012 13:15	0		0		0
22	3/26/2012 13:30	0		0		0
23	3/26/2012 13:45	0		0		0
24	3/26/2012 14:00	0		0		0
25	3/26/2012 14:15	0		0		0
26	3/26/2012 14:30	0		0		0
27	3/26/2012 14:45	0		0		0
28	3/26/2012 15:00	0		0		0
29	3/26/2012 15:15	0		0		0
30	3/26/2012 15:30	0		0		0
31	3/26/2012 15:45	0		0		0
32	3/26/2012 16:00	0		0		0

```
=====
Max(ppm)
    5
    2.5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 5
 Test Abbreviation:
 Start Date: 3/27/2012
 Start Time: 7:49:34
 Duration (dd:hh:mm:ss): 00:08:00:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 32
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.017
	Minimum:		0.009
	Time of Minimum:		8:04:34
	Date of Minimum:		3/27/2012
	Maximum:		0.05
	Time of Maximum:		15:19:34
	Date of Maximum:		3/27/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/27/2012	8:04:34	0.009	
3/27/2012	8:19:34	0.013	
3/27/2012	8:34:34	0.014	
3/27/2012	8:49:34	0.013	
3/27/2012	9:04:34	0.019	
3/27/2012	9:19:34	0.018	
3/27/2012	9:34:34	0.016	
3/27/2012	9:49:34	0.015	
3/27/2012	10:04:34	0.012	
3/27/2012	10:19:34	0.016	
3/27/2012	10:34:34	0.022	
3/27/2012	10:49:34	0.017	
3/27/2012	11:04:34	0.019	
3/27/2012	11:19:34	0.028	
3/27/2012	11:34:34	0.016	
3/27/2012	11:49:34	0.013	
3/27/2012	12:04:34	0.017	
3/27/2012	12:19:34	0.014	

3/27/2012	12:34:34	0.015
3/27/2012	12:49:34	0.02
3/27/2012	13:04:34	0.028
3/27/2012	13:19:34	0.014
3/27/2012	13:34:34	0.034
3/27/2012	13:49:34	0.015
3/27/2012	14:04:34	0.013
3/27/2012	14:19:34	0.012
3/27/2012	14:34:34	0.01
3/27/2012	14:49:34	0.01
3/27/2012	15:04:34	0.015
3/27/2012	15:19:34	0.05
3/27/2012	15:34:34	0.009
3/27/2012	15:49:34	0.019

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001062

Data Points: 31 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/27/2012 07:34

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/27/2012 8:01	0		0		0
2	3/27/2012 8:16	0		0		0
3	3/27/2012 8:31	0		0		0
4	3/27/2012 8:46	0		0		0
5	3/27/2012 9:01	0		0		0
6	3/27/2012 9:16	0		0		0
7	3/27/2012 9:31	0		0		0
8	3/27/2012 9:46	0		0		0
9	3/27/2012 10:01	0		0		0
10	3/27/2012 10:16	0		0		0
11	3/27/2012 10:31	0		0		0
12	3/27/2012 10:46	0		0		0.4
13	3/27/2012 11:01	0		0		0
14	3/27/2012 11:16	0		0		0
15	3/27/2012 11:31	0		0		0
16	3/27/2012 11:46	0		0		0
17	3/27/2012 12:01	0		0		0
18	3/27/2012 12:16	0		0		0
19	3/27/2012 12:31	0		0		0
20	3/27/2012 12:46	0		0		0
21	3/27/2012 13:01	0		0		0
22	3/27/2012 13:16	0		0		0.1
23	3/27/2012 13:31	0		0		0
24	3/27/2012 13:46	0		0		0
25	3/27/2012 14:01	0		0		0.3
26	3/27/2012 14:16	0		0		0.3
27	3/27/2012 14:31	0		0		0.2
28	3/27/2012 14:46	0		0		0
29	3/27/2012 15:01	0		0		0
30	3/27/2012 15:16	0		0		0
31	3/27/2012 15:31	0		0		0.1

```
=====
Max(ppm)
      5
     2.5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201923
 Test ID: 6
 Test Abbreviation:
 Start Date: 3/28/2012
 Start Time: 7:49:05
 Duration (dd:hh:mm:ss): 00:07:45:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 31
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.024
	Minimum:		0.012
	Time of Minimum:		11:49:05
	Date of Minimum:		3/28/2012
	Maximum:		0.074
	Time of Maximum:		9:19:05
	Date of Maximum:		3/28/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m ³	
3/28/2012	8:04:05		0.018
3/28/2012	8:19:05		0.029
3/28/2012	8:34:05		0.07
3/28/2012	8:49:05		0.033
3/28/2012	9:04:05		0.055
3/28/2012	9:19:05		0.074
3/28/2012	9:34:05		0.027
3/28/2012	9:49:05		0.02
3/28/2012	10:04:05		0.039
3/28/2012	10:19:05		0.021
3/28/2012	10:34:05		0.017
3/28/2012	10:49:05		0.018
3/28/2012	11:04:05		0.017
3/28/2012	11:19:05		0.013
3/28/2012	11:34:05		0.016
3/28/2012	11:49:05		0.012
3/28/2012	12:04:05		0.02
3/28/2012	12:19:05		0.013

3/28/2012	12:34:05	0.016
3/28/2012	12:49:05	0.018
3/28/2012	13:04:05	0.018
3/28/2012	13:19:05	0.023
3/28/2012	13:34:05	0.02
3/28/2012	13:49:05	0.021
3/28/2012	14:04:05	0.019
3/28/2012	14:19:05	0.019
3/28/2012	14:34:05	0.018
3/28/2012	14:49:05	0.017
3/28/2012	15:04:05	0.017
3/28/2012	15:19:05	0.017
3/28/2012	15:34:05	0.018

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 902684

User ID: 00000001 Site ID: 00001064

Data Points: 31 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/28/2012 07:39

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/28/2012 8:01	0		0		0
2	3/28/2012 8:16	0		0		0
3	3/28/2012 8:31	0		0		0
4	3/28/2012 8:46	0		0		0.1
5	3/28/2012 9:01	0		0		0
6	3/28/2012 9:16	0		0		0
7	3/28/2012 9:31	0		0		0
8	3/28/2012 9:46	0		0		0
9	3/28/2012 10:01	0		0		0.2
10	3/28/2012 10:16	0		0		0
11	3/28/2012 10:31	0		0		0
12	3/28/2012 10:46	0		0		0
13	3/28/2012 11:01	0		0		0
14	3/28/2012 11:16	0		0		0
15	3/28/2012 11:31	0		0		0
16	3/28/2012 11:46	0		0		0
17	3/28/2012 12:01	0		0		0
18	3/28/2012 12:16	0		0		0
19	3/28/2012 12:31	0		0		0
20	3/28/2012 12:46	0		0		0
21	3/28/2012 13:01	0		0		0
22	3/28/2012 13:16	0		0		0
23	3/28/2012 13:31	0		0		0
24	3/28/2012 13:46	0		0		0
25	3/28/2012 14:01	0		0		0
26	3/28/2012 14:16	0		0		0
27	3/28/2012 14:31	0		0		0
28	3/28/2012 14:46	0		0		0
29	3/28/2012 15:01	0		0		0
30	3/28/2012 15:16	0		0		0
31	3/28/2012 15:31	0		0		0

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 4
 Test Abbreviation:
 Start Date: 3/26/2012
 Start Time: 7:55:11
 Duration (dd:hh:mm:ss) 00:08:15:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 33
 Notes:

Statistics	Channel:	Aerosol	
	Units:	mg/m ³	
	Average:		0.038
	Minimum:		0.009
	Time of Minimum:		8:25:11
	Date of Minimum:		3/26/2012
	Maximum:		0.13
	Time of Maximum:		13:10:11
	Date of Maximum:		3/26/2012

Calibration	Sensor:	Aerosol	
	Cal. date		6/11/2010

Date	Time	Aerosol	
MM/dd/yyyy	hh:mm:ss	mg/m ³	
3/26/2012	8:10:11		0.012
3/26/2012	8:25:11		0.009
3/26/2012	8:40:11		0.02
3/26/2012	8:55:11		0.028
3/26/2012	9:10:11		0.047
3/26/2012	9:25:11		0.045
3/26/2012	9:40:11		0.014
3/26/2012	9:55:11		0.058
3/26/2012	10:10:11		0.051
3/26/2012	10:25:11		0.035
3/26/2012	10:40:11		0.022
3/26/2012	10:55:11		0.021
3/26/2012	11:10:11		0.029
3/26/2012	11:25:11		0.019
3/26/2012	11:40:11		0.039
3/26/2012	11:55:11		0.03
3/26/2012	12:10:11		0.061
3/26/2012	12:25:11		0.039

3/26/2012	12:40:11	0.056
3/26/2012	12:55:11	0.099
3/26/2012	13:10:11	0.13
3/26/2012	13:25:11	0.045
3/26/2012	13:40:11	0.03
3/26/2012	13:55:11	0.025
3/26/2012	14:10:11	0.042
3/26/2012	14:25:11	0.038
3/26/2012	14:40:11	0.034
3/26/2012	14:55:11	0.042
3/26/2012	15:10:11	0.033
3/26/2012	15:25:11	0.024
3/26/2012	15:40:11	0.033
3/26/2012	15:55:11	0.023
3/26/2012	16:10:11	0.03

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013544
User ID: 00000001 Site ID: 00000667
Data Points: 32 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 03/26/2012 07:36

=====

Measurement Type:	Min(ppm)	Avg(ppm)
High Alarm Levels:	5	5
Low Alarm Levels:	2.5	2.5

=====

=====

Line#	Date Time	Min(ppm) Alarm	Avg(ppm) Alarm	Max(ppm)

=====

1	3/26/2012 8:07		0	0
2	3/26/2012 8:22		0	0
3	3/26/2012 8:37		0	0
4	3/26/2012 8:52		0	0
5	3/26/2012 9:07		0	0
6	3/26/2012 9:22		0	0
7	3/26/2012 9:37		0	0.1
8	3/26/2012 9:52		0	0
9	3/26/2012 10:07		0	0
10	3/26/2012 10:22		0	0.1
11	3/26/2012 10:37		0	0.1
12	3/26/2012 10:52		0	0
13	3/26/2012 11:07		0	0
14	3/26/2012 11:22		0	0
15	3/26/2012 11:37		0	0
16	3/26/2012 11:52		0	0.1
17	3/26/2012 12:07		0	0
18	3/26/2012 12:22		0	0
19	3/26/2012 12:37		0	0
20	3/26/2012 12:52		0	0
21	3/26/2012 13:07		0	0
22	3/26/2012 13:22		0	0
23	3/26/2012 13:37		0	0
24	3/26/2012 13:52		0	0
25	3/26/2012 14:07		0	0
26	3/26/2012 14:22		0	0
27	3/26/2012 14:37		0	0
28	3/26/2012 14:52		0	0
29	3/26/2012 15:07		0	0
30	3/26/2012 15:22		0	0
31	3/26/2012 15:37		0	0
32	3/26/2012 15:52		0	0

=====

=====

Max(ppm)

5

2.5

=====

Alarm

=====

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 5
 Test Abbreviation:
 Start Date: 3/27/2012
 Start Time: 7:54:35
 Duration (dd:hh:mm:ss) 00:07:00:00
 Time constant (seconds) 1
 Log Interval (mm:ss): 15:00
 Number of points: 28
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.005
	Minimum:	0.001
	Time of Minimum:	14:54:35
	Date of Minimum:	3/27/2012
	Maximum:	0.02
	Time of Maximum:	8:09:35
	Date of Maximum:	3/27/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/27/2012	8:09:35	0.02
3/27/2012	8:24:35	0.002
3/27/2012	8:39:35	0.003
3/27/2012	8:54:35	0.003
3/27/2012	9:09:35	0.014
3/27/2012	9:24:35	0.009
3/27/2012	9:39:35	0.007
3/27/2012	9:54:35	0.009
3/27/2012	10:09:35	0.014
3/27/2012	10:24:35	0.009
3/27/2012	10:39:35	0.002
3/27/2012	10:54:35	0.004
3/27/2012	11:09:35	0.004
3/27/2012	11:24:35	0.003
3/27/2012	11:39:35	0.002
3/27/2012	11:54:35	0.004
3/27/2012	12:09:35	0.006
3/27/2012	12:24:35	0.004

3/27/2012	12:39:35	0.004
3/27/2012	12:54:35	0.003
3/27/2012	13:09:35	0.003
3/27/2012	13:24:35	0.003
3/27/2012	13:39:35	0.003
3/27/2012	13:54:35	0.002
3/27/2012	14:09:35	0.003
3/27/2012	14:24:35	0.002
3/27/2012	14:39:35	0.002
3/27/2012	14:54:35	0.001

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013544

User ID: 00000001 Site ID: 00000676

Data Points: 30 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/27/2012 07:42

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/27/2012 8:08			0		0
2	3/27/2012 8:23			0		0.5
3	3/27/2012 8:38			0		0
4	3/27/2012 8:53			0		0
5	3/27/2012 9:08			0		0
6	3/27/2012 9:23			0		0
7	3/27/2012 9:38			0		0
8	3/27/2012 9:53			0		0.1
9	3/27/2012 10:08			0		0
10	3/27/2012 10:23			0		0.5
11	3/27/2012 10:38			0		0
12	3/27/2012 10:53			0		0
13	3/27/2012 11:08			0		0
14	3/27/2012 11:23			0		0
15	3/27/2012 11:38			0		0
16	3/27/2012 11:53			0		0.1
17	3/27/2012 12:08			0		0
18	3/27/2012 12:23			0		0
19	3/27/2012 12:38			0		0
20	3/27/2012 12:53			0		0
21	3/27/2012 13:08			0		0
22	3/27/2012 13:23			0		0
23	3/27/2012 13:38			0		0
24	3/27/2012 13:53			0		0
25	3/27/2012 14:08			0		0
26	3/27/2012 14:23			0		0
27	3/27/2012 14:38			0		0
28	3/27/2012 14:53			0		0.1
29	3/27/2012 15:08			0		0.3
30	3/27/2012 15:23			0		0

```
=====
Max(ppm)
      5
     2.5
=====
Alarm
=====
```

TrakPro Version 3.41 ASCII Data File

Model: Dust Trak
 Serial Number: 85201921
 Test ID: 6
 Test Abbreviation:
 Start Date: 3/28/2012
 Start Time: 8:06:37
 Duration (dd:hh:mm:ss): 00:07:30:00
 Time constant (seconds): 1
 Log Interval (mm:ss): 15:00
 Number of points: 30
 Notes:

Statistics	Channel:	Aerosol
	Units:	mg/m ³
	Average:	0.019
	Minimum:	0.014
	Time of Minimum:	8:21:37
	Date of Minimum:	3/28/2012
	Maximum:	0.027
	Time of Maximum:	10:06:37
	Date of Maximum:	3/28/2012

Calibration	Sensor:	Aerosol
	Cal. date	6/11/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m ³
3/28/2012	8:21:37	0.014
3/28/2012	8:36:37	0.015
3/28/2012	8:51:37	0.016
3/28/2012	9:06:37	0.015
3/28/2012	9:21:37	0.019
3/28/2012	9:36:37	0.015
3/28/2012	9:51:37	0.015
3/28/2012	10:06:37	0.027
3/28/2012	10:21:37	0.019
3/28/2012	10:36:37	0.021
3/28/2012	10:51:37	0.021
3/28/2012	11:06:37	0.019
3/28/2012	11:21:37	0.015
3/28/2012	11:36:37	0.015
3/28/2012	11:51:37	0.017
3/28/2012	12:06:37	0.017
3/28/2012	12:21:37	0.018
3/28/2012	12:36:37	0.018

3/28/2012	12:51:37	0.018
3/28/2012	13:06:37	0.02
3/28/2012	13:21:37	0.018
3/28/2012	13:36:37	0.017
3/28/2012	13:51:37	0.02
3/28/2012	14:06:37	0.019
3/28/2012	14:21:37	0.019
3/28/2012	14:36:37	0.024
3/28/2012	14:51:37	0.02
3/28/2012	15:06:37	0.026
3/28/2012	15:21:37	0.026
3/28/2012	15:36:37	0.022

Instrument: MiniRAE 2000 (PGM7600)

Serial Number: 013544

User ID: 00000001 Site ID: 00000677

Data Points: 29 Gas Name: Isobutylene

Sample Period: 900 sec

Last Calibration Time: 03/28/2012 07:33

Measurement Type:

Min(ppm)

Avg(ppm)

High Alarm Levels:

5

5

Low Alarm Levels:

2.5

2.5

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)
1	3/28/2012 8:18			0		0
2	3/28/2012 8:33			0		0
3	3/28/2012 8:48			0		0
4	3/28/2012 9:03			0		0
5	3/28/2012 9:18			0		0
6	3/28/2012 9:33			0		0.1
7	3/28/2012 9:48			0		0.1
8	3/28/2012 10:03			0		0.1
9	3/28/2012 10:18			0		0.1
10	3/28/2012 10:33			0		0.1
11	3/28/2012 10:48			0		0
12	3/28/2012 11:03			0		0
13	3/28/2012 11:18			0		0.1
14	3/28/2012 11:33			0		0.1
15	3/28/2012 11:48			0		0.3
16	3/28/2012 12:03			0		0.4
17	3/28/2012 12:18			0		0.1
18	3/28/2012 12:33			0		0
19	3/28/2012 12:48			0		0
20	3/28/2012 13:03			0		0
21	3/28/2012 13:18			0		0.1
22	3/28/2012 13:33			0		0
23	3/28/2012 13:48			0		0
24	3/28/2012 14:03			0		0
25	3/28/2012 14:18			0		0
26	3/28/2012 14:33			0		0
27	3/28/2012 14:48			0		0
28	3/28/2012 15:03			0		0
29	3/28/2012 15:18			0		0

```
=====
Max(ppm)
      5
     2.5
=====
Alarm
=====
```



Appendix K

Analytical Results for Soil
Characterization Samples

(Compact Disk only)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-13472-1

Client Project/Site: NYSEG -Binghamton Court Street

Revision: 1

For:

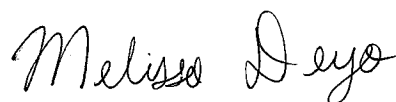
ARCADIS U.S. Inc

6723 Towpath Road

PO BOX 66

Syracuse, New York 13214

Attn: Kasey Cornwell



Authorized for release by:

6/20/2012 3:56:21 PM

Melissa Deyo

Project Manager I

melissa.deyo@testamericainc.com

LINKS

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results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
PX	Sample for VOA analysis not received in preserved VOA vials or Encore or similar sampling device.
RL1	Reporting limit raised due to sample matrix effects.

GCMS Semivolatiles

Qualifier	Qualifier Description
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).

GC Semivolatiles

Qualifier	Qualifier Description
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Pesticides

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
QSU	Sulfur (EPA 3660) clean-up performed on extract.

Metals

Qualifier	Qualifier Description
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
R3	The RPD exceeded the acceptance limit due to sample matrix effects.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Job ID: 480-13472-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative 480-13472-1

Revision I

This report was revised to include Vinyl Chloride and Total Xylenes

Laboratory: TestAmerica Nashville

Narrative

Report revised on 06/20/12 to report Vinyl Chloride and Total Xylenes from the 8260 volatiles analysis per the client's request. This final report replaces the final report generated on 12/07/11 at 17:38.

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times. There were no relevant protocol specific QC and/or performance standard non-conformances to report with following exceptions:

Sample prepared from a glass jar for the 8270B volatile organic analysis.

Several 6010B metals recoveries in the matrix spike and matrix spike duplicate associated with batch 11L0951 are outside QC limits. See blank spike.

Several 8270C SemiVolatile compound recoveries in the matrix spike and matrix spike duplicate associated with batch 11L0581 are outside QC limits due to sample matrix interference. See blank spike.

The PCB sample extract required sulfur clean up prior to analysis due to the matrix of the sample.

NELAC Certification

NELAC certifications are not held for the following analytes included in this report:

<u>Method</u>	<u>Matrix</u>	<u>Analyte</u>
ASTM D240	Soil	BTU Content
SW-846	Soil	% Dry Solids
SW846 8260B	Soil	Cyclohexane
		Methyl Acetate
		Methylcyclohexane

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Client Sample ID: S-WC#1 ESMI (120111)

Lab Sample ID: 480-13472-1

No Detections

Client Sample ID: S-WC#1ESMI(120111)

Lab Sample ID: NVL0235-01

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	1.30	PX	0.125		mg/kg dry	50.0	✱	SW846 8260B	Total
Isopropylbenzene	2.45	PX	0.125		mg/kg dry	50.0	✱	SW846 8260B	Total
Toluene	0.931	PX	0.125		mg/kg dry	50.0	✱	SW846 8260B	Total
Xylenes, total	13.9	PX	0.312		mg/kg dry	50.0	✱	SW846 8260B	Total
Ethylbenzene - RE1	20.4	PX	2.50		mg/kg dry	1000	✱	SW846 8260B	Total
Acenaphthylene	4.15		0.0841		mg/kg dry	1.00	✱	SW846 8270C	Total
Benzo (b) fluoranthene	4.21		0.0841		mg/kg dry	1.00	✱	SW846 8270C	Total
Benzo (g,h,i) perylene	2.90		0.0841		mg/kg dry	1.00	✱	SW846 8270C	Total
Benzo (k) fluoranthene	2.69		0.0841		mg/kg dry	1.00	✱	SW846 8270C	Total
Dibenz (a,h) anthracene	0.782		0.0841		mg/kg dry	1.00	✱	SW846 8270C	Total
Indeno (1,2,3-cd) pyrene	2.37		0.0841		mg/kg dry	1.00	✱	SW846 8270C	Total
Anthracene - RE1	18.6		0.841		mg/kg dry	10.0	✱	SW846 8270C	Total
Benzo (a) anthracene - RE1	8.59		0.841		mg/kg dry	10.0	✱	SW846 8270C	Total
Benzo (a) pyrene - RE1	5.87		0.841		mg/kg dry	10.0	✱	SW846 8270C	Total
Chrysene - RE1	8.09		0.841		mg/kg dry	10.0	✱	SW846 8270C	Total
Dibenzofuran - RE1	7.38		4.18		mg/kg dry	10.0	✱	SW846 8270C	Total
Fluoranthene - RE1	17.2		0.841		mg/kg dry	10.0	✱	SW846 8270C	Total
2-Methylnaphthalene - RE1	38.2		0.841		mg/kg dry	10.0	✱	SW846 8270C	Total
Pyrene - RE1	22.4		0.841		mg/kg dry	10.0	✱	SW846 8270C	Total
Acenaphthene - RE2	71.0		4.21		mg/kg dry	50.0	✱	SW846 8270C	Total
Fluorene - RE2	58.9		4.21		mg/kg dry	50.0	✱	SW846 8270C	Total
Naphthalene - RE2	72.1		4.21		mg/kg dry	50.0	✱	SW846 8270C	Total
Phenanthrene - RE2	97.8		4.21		mg/kg dry	50.0	✱	SW846 8270C	Total
GRO as Gasoline	82.1		6.28		mg/kg dry	50.0	✱	SW846 8015B	Total
Diesel	4510		304		mg/kg dry	50.0	✱	SW846 8015B	Total
Sulfate - RE2	3370		62.6		mg/kg dry	5.00	✱	SW846 9056	Total
Aluminum	12500	MHA	25.1		mg/kg dry	1.00	✱	SW846 6010B	Total
Arsenic	11.7		1.26		mg/kg dry	1.00	✱	SW846 6010B	Total
Barium	125		2.51		mg/kg dry	1.00	✱	SW846 6010B	Total
Calcium	43200	MHA	126		mg/kg dry	1.00	✱	SW846 6010B	Total
Chromium	13.5		1.26		mg/kg dry	1.00	✱	SW846 6010B	Total
Cobalt	10.0		3.77		mg/kg dry	1.00	✱	SW846 6010B	Total
Copper	80.9	M8	2.51		mg/kg dry	1.00	✱	SW846 6010B	Total
Iron	24800	MHA	12.6		mg/kg dry	1.00	✱	SW846 6010B	Total
Lead	75.1	M7	1.26		mg/kg dry	1.00	✱	SW846 6010B	Total
Magnesium	3500		126		mg/kg dry	1.00	✱	SW846 6010B	Total
Manganese	336		3.77		mg/kg dry	1.00	✱	SW846 6010B	Total
Nickel	51.9		2.51		mg/kg dry	1.00	✱	SW846 6010B	Total
Potassium	1460	M7	126		mg/kg dry	1.00	✱	SW846 6010B	Total
Selenium	2.54		2.51		mg/kg dry	1.00	✱	SW846 6010B	Total
Sodium	266		251		mg/kg dry	1.00	✱	SW846 6010B	Total
Sulfur	8950	MHA	62.8		mg/kg dry	1.00	✱	SW846 6010B	Total
Vanadium	149		12.6		mg/kg dry	1.00	✱	SW846 6010B	Total
Zinc	115		12.6		mg/kg dry	1.00	✱	SW846 6010B	Total
Mercury	0.87		0.12		mg/kg dry	1.0	✱	SW846 7471A	Total

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Client Sample ID: S-WC#1ESMI(120111)

Lab Sample ID: NVL0235-01

Date Collected: 12/01/11 17:10

Matrix: Soil

Date Received: 12/02/11 08:00

Percent Solids: 79.6

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	PX RL1	3.12		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Benzene	1.30	PX	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Bromochloromethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Bromodichloromethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Bromoform	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Bromomethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
2-Butanone	ND	PX RL1	3.12		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Carbon disulfide	ND	PX RL1	0.312		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Carbon Tetrachloride	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Chlorobenzene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Chlorodibromomethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Chloroethane	ND	PX RL1	0.312		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Chloroform	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Chloromethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Cyclohexane	ND	PX RL1	0.625		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,2-Dibromo-3-chloropropane	ND	PX RL1	0.312		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,2-Dibromoethane (EDB)	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Methylcyclohexane	ND	PX RL1	0.625		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,2-Dichlorobenzene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,3-Dichlorobenzene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,4-Dichlorobenzene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Dichlorodifluoromethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,2-Dichloroethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,1-Dichloroethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,1-Dichloroethene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
trans-1,2-Dichloroethene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,1,2-Trifluorotrichloroethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
cis-1,2-Dichloroethene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,2-Dichloropropane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
trans-1,3-Dichloropropene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
cis-1,3-Dichloropropene	ND	RL1 PX	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
2-Hexanone	ND	PX RL1	3.12		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Isopropylbenzene	2.45	PX	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Methyl Acetate	ND	PX	0.625		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Methyl tert-Butyl Ether	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Methylene Chloride	ND	PX RL1	0.625		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
4-Methyl-2-pentanone	ND	PX RL1	3.12		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Styrene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,1,2,2-Tetrachloroethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Tetrachloroethene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Toluene	0.931	PX	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,2,4-Trichlorobenzene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,2,3-Trichlorobenzene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,1,1-Trichloroethane	ND	RL1 PX	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
1,1,2-Trichloroethane	ND	PX RL1	0.312		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Trichloroethene	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Trichlorofluoromethane	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Vinyl chloride	ND	PX RL1	0.125		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0
Xylenes, total	13.9	PX	0.312		mg/kg dry	☼	12/02/11 17:29	12/04/11 15:42	50.0

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Client Sample ID: S-WC#1ESMI(120111)

Lab Sample ID: NVL0235-01

Date Collected: 12/01/11 17:10

Matrix: Soil

Date Received: 12/02/11 08:00

Percent Solids: 79.6

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	20.4	PX	2.50		mg/kg dry	☼	12/02/11 17:29	12/04/11 16:12	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	97		70 - 130				12/02/11 17:29	12/04/11 16:12	1000
Dibromofluoromethane	98		70 - 130				12/02/11 17:29	12/04/11 16:12	1000
Toluene-d8	96		70 - 130				12/02/11 17:29	12/04/11 16:12	1000
4-Bromofluorobenzene	100		70 - 130				12/02/11 17:29	12/04/11 16:12	1000

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	4.15		0.0841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Benzo (b) fluoranthene	4.21		0.0841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Benzo (g,h,i) perylene	2.90		0.0841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Benzo (k) fluoranthene	2.69		0.0841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
4-Bromophenyl phenyl ether	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Butyl benzyl phthalate	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Carbazole	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
4-Chloro-3-methylphenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
4-Chloroaniline	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Bis(2-chloroethoxy)methane	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Bis(2-chloroethyl)ether	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Bis(2-chloroisopropyl)ether	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2-Chloronaphthalene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2-Chlorophenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
4-Chlorophenyl phenyl ether	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Dibenz (a,h) anthracene	0.782		0.0841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Di-n-butyl phthalate	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
1,4-Dichlorobenzene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
1,2-Dichlorobenzene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
1,3-Dichlorobenzene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
3,3-Dichlorobenzidine	ND		0.837		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2,4-Dichlorophenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Diethyl phthalate	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2,4-Dimethylphenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Dimethyl phthalate	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
4,6-Dinitro-2-methylphenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2,4-Dinitrophenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2,6-Dinitrotoluene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2,4-Dinitrotoluene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Di-n-octyl phthalate	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Bis(2-ethylhexyl)phthalate	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Hexachlorobenzene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Hexachlorobutadiene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Hexachlorocyclopentadiene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Hexachloroethane	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Indeno (1,2,3-cd) pyrene	2.37		0.0841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Isophorone	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2-Methylphenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
3/4-Methylphenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
3-Nitroaniline	ND		1.05		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2-Nitroaniline	ND		1.05		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Client Sample ID: S-WC#1ESMI(120111)

Lab Sample ID: NVL0235-01

Date Collected: 12/01/11 17:10

Matrix: Soil

Date Received: 12/02/11 08:00

Percent Solids: 79.6

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitroaniline	ND		1.05		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Nitrobenzene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
4-Nitrophenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2-Nitrophenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
N-Nitrosodiphenylamine	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
N-Nitrosodi-n-propylamine	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Pentachlorophenol	ND		1.05		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
Phenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
1,2,4-Trichlorobenzene	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2,4,6-Trichlorophenol	ND		0.418		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00
2,4,5-Trichlorophenol	ND		1.05		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:10	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	84		18 - 120	12/03/11 08:13	12/03/11 20:10	1.00
2,4,6-Tribromophenol	18	ZX	19 - 120	12/03/11 08:13	12/03/11 20:10	1.00
Phenol-d5	44		18 - 120	12/03/11 08:13	12/03/11 20:10	1.00
2-Fluorobiphenyl	54		14 - 120	12/03/11 08:13	12/03/11 20:10	1.00
2-Fluorophenol	25		17 - 120	12/03/11 08:13	12/03/11 20:10	1.00
Nitrobenzene-d5	74		17 - 120	12/03/11 08:13	12/03/11 20:10	1.00

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	18.6		0.841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:31	10.0
Benzo (a) anthracene	8.59		0.841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:31	10.0
Benzo (a) pyrene	5.87		0.841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:31	10.0
Chrysene	8.09		0.841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:31	10.0
Dibenzofuran	7.38		4.18		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:31	10.0
Fluoranthene	17.2		0.841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:31	10.0
2-Methylnaphthalene	38.2		0.841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:31	10.0
Pyrene	22.4		0.841		mg/kg dry	☼	12/03/11 08:13	12/03/11 20:31	10.0

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	71.0		4.21		mg/kg dry	☼	12/03/11 08:13	12/05/11 23:12	50.0
Fluorene	58.9		4.21		mg/kg dry	☼	12/03/11 08:13	12/05/11 23:12	50.0
Naphthalene	72.1		4.21		mg/kg dry	☼	12/03/11 08:13	12/05/11 23:12	50.0
Phenanthrene	97.8		4.21		mg/kg dry	☼	12/03/11 08:13	12/05/11 23:12	50.0

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	82.1		6.28		mg/kg dry	☼	12/02/11 17:35	12/03/11 13:53	50.0
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	78		50 - 150				12/02/11 17:35	12/03/11 13:53	50.0

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	4510		304		mg/kg dry	☼	12/03/11 08:02	12/04/11 11:16	50.0
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-Terphenyl		Z3	50 - 150				12/03/11 08:02	12/04/11 11:16	50.0

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Client Sample ID: S-WC#1ESMI(120111)

Lab Sample ID: NVL0235-01

Date Collected: 12/01/11 17:10

Matrix: Soil

Date Received: 12/02/11 08:00

Percent Solids: 79.6

Method: SW846 8082 - Polychlorinated Biphenyls by EPA Method 8082 - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND	QSU	0.0415		mg/kg dry	☼	12/03/11 07:48	12/06/11 12:53	1.00
PCB-1221	ND	QSU	0.0415		mg/kg dry	☼	12/03/11 07:48	12/06/11 12:53	1.00
PCB-1232	ND	QSU	0.0415		mg/kg dry	☼	12/03/11 07:48	12/06/11 12:53	1.00
PCB-1242	ND	QSU	0.0415		mg/kg dry	☼	12/03/11 07:48	12/06/11 12:53	1.00
PCB-1248	ND	QSU	0.0415		mg/kg dry	☼	12/03/11 07:48	12/06/11 12:53	1.00
PCB-1254	ND	QSU	0.0415		mg/kg dry	☼	12/03/11 07:48	12/06/11 12:53	1.00
PCB-1260	ND	QSU	0.0415		mg/kg dry	☼	12/03/11 07:48	12/06/11 12:53	1.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	76		19 - 147	12/03/11 07:48	12/06/11 12:53	1.00
Decachlorobiphenyl	118		20 - 150	12/03/11 07:48	12/06/11 12:53	1.00

Method: SW846 9056 - General Chemistry Parameters - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	3370		62.6		mg/kg dry	☼	12/06/11 14:11	12/06/11 14:11	5.00

Method: SW846 6010B - Total Metals by EPA Method 6010B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12500	MHA	25.1		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Antimony	ND		12.6		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Arsenic	11.7		1.26		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Barium	125		2.51		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Beryllium	ND		1.26		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Cadmium	ND		1.26		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Calcium	43200	MHA	126		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Chromium	13.5		1.26		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Cobalt	10.0		3.77		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Copper	80.9	M8	2.51		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Iron	24800	MHA	12.6		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Lead	75.1	M7	1.26		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Magnesium	3500		126		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Manganese	336		3.77		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Nickel	51.9		2.51		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Potassium	1460	M7	126		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Selenium	2.54		2.51		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Silver	ND		1.26		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Sodium	266		251		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Sulfur	8950	MHA	62.8		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Thallium	ND	M8	2.51		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Vanadium	149		12.6		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00
Zinc	115		12.6		mg/kg dry	☼	12/05/11 11:00	12/06/11 10:28	1.00

Method: SW846 7471A - Mercury by EPA Methods 7470A/7471A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.87		0.12		mg/kg dry	☼	12/05/11 10:00	12/05/11 11:45	1.0

Method: ASTM D240 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
BTU Content	ND		200		BTU/Lb	—	12/06/11 20:07	12/06/11 20:07	1.00

Client Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Client Sample ID: S-WC#1ESMI(120111)

Lab Sample ID: NVL0235-01

Date Collected: 12/01/11 17:10

Matrix: Soil

Date Received: 12/02/11 08:00

Percent Solids: 79.6

Method: SW846 9012B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide	ND		2.51		mg/kg dry	☼	12/06/11 14:20	12/06/11 16:32	1.00

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Matrix: Soil

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		chloroetha (70-130)	DBFM (70-130)	Toluene-d8 (70-130)	BFB (70-130)
11K6832-BLK1	Method Blank	100	99	100	101
11K6832-BLK2	Method Blank	95	100	100	97
11K6832-BS1	Lab Control Sample	109	100	105	105
11K6832-MS1	Matrix Spike	108	103	103	109
11K6832-MSD1	Matrix Spike Duplicate	104	101	103	111
NVL0235-01 - RE1	S-WC#1ESMI(120111)	97	98	96	100

Surrogate Legend

1,2-Dichloroethane-d4 = 1,2-Dichloroethane-d4

DBFM = Dibromofluoromethane

Toluene-d8 = Toluene-d8

BFB = 4-Bromofluorobenzene

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C

Matrix: Soil

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPH (18-120)	TBP (19-120)	PHL (18-120)	FBP (14-120)	2FP (17-120)	NBZ (17-120)
11L0581-BLK1	Method Blank	82	68	68	69	65	66
11L0581-BS1	Lab Control Sample	85	72	73	74	72	65
11L0581-MS1	S-WC#1ESMI(120111)	73	3 ZX	36	54	10 ZX	62
11L0581-MSD1	S-WC#1ESMI(120111)	74	3 ZX	33	50	10 ZX	60
NVL0235-01	S-WC#1ESMI(120111)	84	18 ZX	44	54	25	74

Surrogate Legend

TPH = Terphenyl-d14

TBP = 2,4,6-Tribromophenol

PHL = Phenol-d5

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Matrix: Soil

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TFT (50-150)	
11L0510-BLK1	Method Blank	74	
11L0510-BLK2	Method Blank	101	
11L0510-BS1	Lab Control Sample	70	
11L0510-BS2	Lab Control Sample	64	
11L0510-BSD1	Lab Control Sample Dup	80	
11L0510-BSD2	Lab Control Sample Dup	97	
11L0510-DUP1	Duplicate	72	
11L0510-DUP2	Duplicate	60	
11L0510-MS1	Matrix Spike	64	
11L0510-MSD1	Matrix Spike Duplicate	56	
NVL0235-01	S-WC#1ESMI(120111)	78	

Surrogate Legend

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

TFT = a,a,a-Trifluorotoluene

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Matrix: Soil

Prep Type: Total

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTPH (50-150)
11L0583-BLK1	Method Blank	66
11L0583-BS1	Lab Control Sample	75
NVL0235-01	S-WC#1ESMI(120111)	Z3

Surrogate Legend

OTPH = o-Terphenyl

Method: SW846 8082 - Polychlorinated Biphenyls by EPA Method 8082

Matrix: Soil

Prep Type: Total

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	hloro-meta- (19-147)	ichlorobiph (20-150)
11L0578-BLK1	Method Blank	98	100
11L0578-BS1	Lab Control Sample	94	100
NVL0235-01 - RE1	S-WC#1ESMI(120111)	76	118

Surrogate Legend

Tetrachloro-meta-xylene = Tetrachloro-meta-xylene

Decachlorobiphenyl = Decachlorobiphenyl

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11K6832-BLK1

Matrix: Soil

Analysis Batch: U021366

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K6832_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0500		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Benzene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Bromochloromethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Bromodichloromethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Bromoform	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Bromomethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
2-Butanone	ND		0.0500		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Carbon disulfide	ND		0.00500		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Carbon Tetrachloride	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Chlorobenzene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Chlorodibromomethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Chloroethane	ND		0.00500		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Chloroform	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Chloromethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Cyclohexane	ND		0.0100		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,2-Dibromo-3-chloropropane	ND		0.00500		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,2-Dibromoethane (EDB)	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Methylcyclohexane	ND		0.0100		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,2-Dichlorobenzene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,3-Dichlorobenzene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,4-Dichlorobenzene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Dichlorodifluoromethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,2-Dichloroethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,1-Dichloroethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,1-Dichloroethene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
trans-1,2-Dichloroethene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,1,2-Trifluorotrichloroethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
cis-1,2-Dichloroethene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,2-Dichloropropane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
trans-1,3-Dichloropropene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
cis-1,3-Dichloropropene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Ethylbenzene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
2-Hexanone	ND		0.0500		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Isopropylbenzene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Methyl Acetate	ND		0.0100		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Methyl tert-Butyl Ether	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Methylene Chloride	ND		0.0100		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
4-Methyl-2-pentanone	ND		0.0500		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Styrene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,1,2,2-Tetrachloroethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Tetrachloroethene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Toluene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,2,4-Trichlorobenzene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,2,3-Trichlorobenzene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,1,1-Trichloroethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
1,1,2-Trichloroethane	ND		0.00500		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Trichloroethene	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Trichlorofluoromethane	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Vinyl chloride	ND		0.00200		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K6832-BLK1

Matrix: Soil

Analysis Batch: U021366

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K6832_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	ND		0.00500		mg/kg wet		11/29/11 16:36	12/04/11 11:06	1.00
Surrogate	%Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	100		70 - 130				11/29/11 16:36	12/04/11 11:06	1.00
Dibromofluoromethane	99		70 - 130				11/29/11 16:36	12/04/11 11:06	1.00
Toluene-d8	100		70 - 130				11/29/11 16:36	12/04/11 11:06	1.00
4-Bromofluorobenzene	101		70 - 130				11/29/11 16:36	12/04/11 11:06	1.00

Lab Sample ID: 11K6832-BLK2

Matrix: Soil

Analysis Batch: U021366

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K6832_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Benzene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Bromochloromethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Bromodichloromethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Bromoform	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Bromomethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
2-Butanone	ND		2.50		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Carbon disulfide	ND		0.250		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Carbon Tetrachloride	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Chlorobenzene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Chlorodibromomethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Chloroethane	ND		0.250		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Chloroform	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Chloromethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Cyclohexane	ND		0.500		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,2-Dibromo-3-chloropropane	ND		0.250		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,2-Dibromoethane (EDB)	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Methylcyclohexane	ND		0.500		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,2-Dichlorobenzene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,3-Dichlorobenzene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,4-Dichlorobenzene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Dichlorodifluoromethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,2-Dichloroethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,1-Dichloroethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,1-Dichloroethene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
trans-1,2-Dichloroethene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,1,2-Trifluoroethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
cis-1,2-Dichloroethene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,2-Dichloropropane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
trans-1,3-Dichloropropene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
cis-1,3-Dichloropropene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Ethylbenzene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
2-Hexanone	ND		2.50		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Isopropylbenzene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Methyl Acetate	ND		0.500		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Methyl tert-Butyl Ether	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K6832-BLK2

Matrix: Soil

Analysis Batch: U021366

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11K6832_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.500		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
4-Methyl-2-pentanone	ND		2.50		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Styrene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,1,2,2-Tetrachloroethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Tetrachloroethene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Toluene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,2,4-Trichlorobenzene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,2,3-Trichlorobenzene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,1,1-Trichloroethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
1,1,2-Trichloroethane	ND		0.250		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Trichloroethene	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Trichlorofluoromethane	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Vinyl chloride	ND		0.100		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0
Xylenes, total	ND		0.250		mg/kg wet		11/29/11 16:36	12/04/11 11:37	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	95		70 - 130	11/29/11 16:36	12/04/11 11:37	50.0
Dibromofluoromethane	100		70 - 130	11/29/11 16:36	12/04/11 11:37	50.0
Toluene-d8	100		70 - 130	11/29/11 16:36	12/04/11 11:37	50.0
4-Bromofluorobenzene	97		70 - 130	11/29/11 16:36	12/04/11 11:37	50.0

Lab Sample ID: 11K6832-BS1

Matrix: Soil

Analysis Batch: U021366

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11K6832_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	221		ug/kg		88	51 - 149
Benzene	50.0	50.0		ug/kg		100	75 - 127
Bromochloromethane	50.0	52.8		ug/kg		106	70 - 132
Bromodichloromethane	50.0	54.4		ug/kg		109	68 - 135
Bromoform	50.0	64.5		ug/kg		129	36 - 150
Bromomethane	50.0	24.8		ug/kg		50	43 - 142
2-Butanone	250	244		ug/kg		98	61 - 132
Carbon disulfide	50.0	48.4		ug/kg		97	74 - 135
Carbon Tetrachloride	50.0	57.2		ug/kg		114	70 - 141
Chlorobenzene	50.0	52.2		ug/kg		104	84 - 125
Chlorodibromomethane	50.0	58.0		ug/kg		116	66 - 134
Chloroethane	50.0	35.5		ug/kg		71	53 - 144
Chloroform	50.0	48.3		ug/kg		97	76 - 130
Chloromethane	50.0	24.0		ug/kg		48	23 - 150
Cyclohexane	50.0	54.3		ug/kg		109	70 - 133
1,2-Dibromo-3-chloropropane	50.0	56.1		ug/kg		112	49 - 142
1,2-Dibromoethane (EDB)	50.0	53.5		ug/kg		107	80 - 135
Methylcyclohexane	50.0	55.3		ug/kg		111	69 - 140
1,2-Dichlorobenzene	50.0	55.6		ug/kg		111	80 - 134
1,3-Dichlorobenzene	50.0	56.0		ug/kg		112	79 - 137
1,4-Dichlorobenzene	50.0	56.6		ug/kg		113	77 - 139
Dichlorodifluoromethane	50.0	32.0		ug/kg		64	12 - 144
1,2-Dichloroethane	50.0	52.6		ug/kg		105	65 - 134

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K6832-BS1

Matrix: Soil

Analysis Batch: U021366

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11K6832_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	49.8		ug/kg		100	75 - 124
1,1-Dichloroethene	50.0	50.6		ug/kg		101	75 - 131
trans-1,2-Dichloroethene	50.0	47.2		ug/kg		94	76 - 128
1,1,2-Trifluorotrichloroethane	50.0	53.3		ug/kg		107	67 - 136
cis-1,2-Dichloroethene	50.0	51.1		ug/kg		102	75 - 125
1,2-Dichloropropane	50.0	46.9		ug/kg		94	69 - 120
trans-1,3-Dichloropropene	50.0	46.8		ug/kg		94	62 - 139
cis-1,3-Dichloropropene	50.0	58.9		ug/kg		118	73 - 148
Ethylbenzene	50.0	54.2		ug/kg		108	80 - 134
2-Hexanone	250	251		ug/kg		100	57 - 148
Isopropylbenzene	50.0	60.0		ug/kg		120	80 - 150
Methyl Acetate	50.0	57.6		ug/kg		115	11 - 170
Methyl tert-Butyl Ether	50.0	48.8		ug/kg		98	70 - 136
Methylene Chloride	50.0	54.1		ug/kg		108	68 - 144
4-Methyl-2-pentanone	250	261		ug/kg		104	59 - 138
Styrene	50.0	54.3		ug/kg		109	82 - 137
1,1,2,2-Tetrachloroethane	50.0	38.1		ug/kg		76	66 - 134
Tetrachloroethene	50.0	59.6		ug/kg		119	78 - 140
Toluene	50.0	51.8		ug/kg		104	80 - 132
1,2,4-Trichlorobenzene	50.0	71.4		ug/kg		143	62 - 150
1,2,3-Trichlorobenzene	50.0	66.0		ug/kg		132	70 - 150
1,1,1-Trichloroethane	50.0	55.7		ug/kg		111	72 - 140
1,1,2-Trichloroethane	50.0	51.0		ug/kg		102	78 - 128
Trichloroethene	50.0	53.9		ug/kg		108	77 - 127
Trichlorofluoromethane	50.0	48.5		ug/kg		97	50 - 140
Vinyl chloride	50.0	41.0		ug/kg		82	47 - 136
Xylenes, total	150	159		ug/kg		106	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	109		70 - 130
Dibromofluoromethane	100		70 - 130
Toluene-d8	105		70 - 130
4-Bromofluorobenzene	105		70 - 130

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C

Lab Sample ID: 11L0581-BLK1

Matrix: Soil

Analysis Batch: U021185

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0581_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Acenaphthylene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Anthracene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Benzo (a) anthracene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Benzo (a) pyrene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Benzo (b) fluoranthene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Benzo (g,h,i) perylene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Benzo (k) fluoranthene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L0581-BLK1

Matrix: Soil

Analysis Batch: U021185

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0581_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Butyl benzyl phthalate	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Carbazole	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
4-Chloro-3-methylphenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
4-Chloroaniline	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Bis(2-chloroethoxy)methane	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Bis(2-chloroethyl)ether	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Bis(2-chloroisopropyl)ether	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2-Chloronaphthalene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2-Chlorophenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
4-Chlorophenyl phenyl ether	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Chrysene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Dibenz (a,h) anthracene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Dibenzofuran	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Di-n-butyl phthalate	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
1,4-Dichlorobenzene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
1,2-Dichlorobenzene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
1,3-Dichlorobenzene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
3,3-Dichlorobenzidine	ND		0.667		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2,4-Dichlorophenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Diethyl phthalate	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2,4-Dimethylphenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Dimethyl phthalate	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
4,6-Dinitro-2-methylphenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2,4-Dinitrophenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2,6-Dinitrotoluene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2,4-Dinitrotoluene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Di-n-octyl phthalate	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Bis(2-ethylhexyl)phthalate	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Fluoranthene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Fluorene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Hexachlorobenzene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Hexachlorobutadiene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Hexachlorocyclopentadiene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Hexachloroethane	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Isophorone	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2-Methylnaphthalene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2-Methylphenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
3/4-Methylphenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Naphthalene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
3-Nitroaniline	ND		0.833		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2-Nitroaniline	ND		0.833		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
4-Nitroaniline	ND		0.833		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Nitrobenzene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
4-Nitrophenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2-Nitrophenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
N-Nitrosodiphenylamine	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
N-Nitrosodi-n-propylamine	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Pentachlorophenol	ND		0.833		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L0581-BLK1

Matrix: Soil

Analysis Batch: U021185

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0581_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Phenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
Pyrene	ND		0.0670		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
1,2,4-Trichlorobenzene	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2,4,6-Trichlorophenol	ND		0.333		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00
2,4,5-Trichlorophenol	ND		0.833		mg/kg wet		12/03/11 08:13	12/03/11 19:27	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	82		18 - 120	12/03/11 08:13	12/03/11 19:27	1.00
2,4,6-Tribromophenol	68		19 - 120	12/03/11 08:13	12/03/11 19:27	1.00
Phenol-d5	68		18 - 120	12/03/11 08:13	12/03/11 19:27	1.00
2-Fluorobiphenyl	69		14 - 120	12/03/11 08:13	12/03/11 19:27	1.00
2-Fluorophenol	65		17 - 120	12/03/11 08:13	12/03/11 19:27	1.00
Nitrobenzene-d5	66		17 - 120	12/03/11 08:13	12/03/11 19:27	1.00

Lab Sample ID: 11L0581-BS1

Matrix: Soil

Analysis Batch: U021185

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0581_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.44		mg/kg wet		86	36 - 120
Acenaphthylene	1.67	1.30		mg/kg wet		78	38 - 120
Anthracene	1.67	1.45		mg/kg wet		87	46 - 124
Benzo (a) anthracene	1.67	1.41		mg/kg wet		85	45 - 120
Benzo (a) pyrene	1.67	1.31		mg/kg wet		79	45 - 120
Benzo (b) fluoranthene	1.67	1.26		mg/kg wet		76	42 - 120
Benzo (g,h,i) perylene	1.67	1.30		mg/kg wet		78	38 - 120
Benzo (k) fluoranthene	1.67	1.32		mg/kg wet		79	42 - 120
4-Bromophenyl phenyl ether	1.67	1.39		mg/kg wet		83	40 - 120
Butyl benzyl phthalate	1.67	1.36		mg/kg wet		82	43 - 133
Carbazole	1.67	1.49		mg/kg wet		89	44 - 120
4-Chloro-3-methylphenol	1.67	1.24		mg/kg wet		74	38 - 120
4-Chloroaniline	1.67	1.36		mg/kg wet		82	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.24		mg/kg wet		74	32 - 120
Bis(2-chloroethyl)ether	1.67	1.37		mg/kg wet		82	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.42		mg/kg wet		85	32 - 120
2-Chloronaphthalene	1.67	1.23		mg/kg wet		74	34 - 120
2-Chlorophenol	1.67	1.41		mg/kg wet		85	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.42		mg/kg wet		85	42 - 120
Chrysene	1.67	1.41		mg/kg wet		84	43 - 120
Dibenz (a,h) anthracene	1.67	1.23		mg/kg wet		74	32 - 128
Dibenzofuran	1.67	1.47		mg/kg wet		88	41 - 120
Di-n-butyl phthalate	1.67	1.36		mg/kg wet		82	46 - 127
1,4-Dichlorobenzene	1.67	1.23		mg/kg wet		74	32 - 120
1,2-Dichlorobenzene	1.67	1.23		mg/kg wet		74	33 - 120
1,3-Dichlorobenzene	1.67	1.23		mg/kg wet		74	32 - 120
3,3-Dichlorobenzidine	1.67	1.35		mg/kg wet		81	39 - 120
2,4-Dichlorophenol	1.67	1.26		mg/kg wet		75	32 - 120
Diethyl phthalate	1.67	1.40		mg/kg wet		84	41 - 122

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L0581-BS1

Matrix: Soil

Analysis Batch: U021185

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0581_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	1.67	1.23		mg/kg wet		74	32 - 120
Dimethyl phthalate	1.67	1.38		mg/kg wet		83	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.39		mg/kg wet		83	27 - 134
2,4-Dinitrophenol	1.67	1.56		mg/kg wet		94	23 - 142
2,6-Dinitrotoluene	1.67	1.32		mg/kg wet		79	43 - 120
2,4-Dinitrotoluene	1.67	1.32		mg/kg wet		79	43 - 120
Di-n-octyl phthalate	1.67	1.18		mg/kg wet		71	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.36		mg/kg wet		82	43 - 120
Fluoranthene	1.67	1.48		mg/kg wet		89	46 - 120
Fluorene	1.67	1.47		mg/kg wet		88	42 - 120
Hexachlorobenzene	1.67	1.45		mg/kg wet		87	44 - 120
Hexachlorobutadiene	1.67	1.44		mg/kg wet		86	31 - 120
Hexachlorocyclopentadiene	1.67	1.04		mg/kg wet		62	24 - 120
Hexachloroethane	1.67	1.38		mg/kg wet		83	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.24		mg/kg wet		74	41 - 121
Isophorone	1.67	1.18		mg/kg wet		71	33 - 120
2-Methylnaphthalene	1.67	1.31		mg/kg wet		78	28 - 120
2-Methylphenol	1.67	1.29		mg/kg wet		77	36 - 120
3/4-Methylphenol	1.67	1.27		mg/kg wet		76	37 - 120
Naphthalene	1.67	1.40		mg/kg wet		84	32 - 120
3-Nitroaniline	1.67	1.52		mg/kg wet		91	42 - 120
2-Nitroaniline	1.67	1.55		mg/kg wet		93	40 - 120
4-Nitroaniline	1.67	1.50		mg/kg wet		90	43 - 120
Nitrobenzene	1.67	1.06		mg/kg wet		64	26 - 120
4-Nitrophenol	1.67	1.43		mg/kg wet		86	32 - 136
2-Nitrophenol	1.67	1.26		mg/kg wet		76	29 - 120
N-Nitrosodiphenylamine	1.67	1.65		mg/kg wet		99	52 - 140
N-Nitrosodi-n-propylamine	1.67	1.42		mg/kg wet		85	35 - 120
Pentachlorophenol	1.67	1.57		mg/kg wet		94	44 - 134
Phenanthrene	1.67	1.44		mg/kg wet		87	45 - 120
Phenol	1.67	1.37		mg/kg wet		82	30 - 120
Pyrene	1.67	1.36		mg/kg wet		82	43 - 120
1,2,4-Trichlorobenzene	1.67	1.10		mg/kg wet		66	29 - 120
2,4,6-Trichlorophenol	1.67	1.39		mg/kg wet		83	39 - 120
2,4,5-Trichlorophenol	1.67	1.29		mg/kg wet		77	39 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	85		18 - 120
2,4,6-Tribromophenol	72		19 - 120
Phenol-d5	73		18 - 120
2-Fluorobiphenyl	74		14 - 120
2-Fluorophenol	72		17 - 120
Nitrobenzene-d5	65		17 - 120

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L0581-MS1

Matrix: Soil

Analysis Batch: U021185

Client Sample ID: S-WC#1ESMI(120111)

Prep Type: Total

Prep Batch: 11L0581_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Acenaphthene	32.0		2.04	33.4	E	mg/kg dry	☼	66	19 - 120
Acenaphthylene	4.15		2.04	5.32	E	mg/kg dry	☼	58	25 - 120
Anthracene	14.0		2.04	13.9	E M8	mg/kg dry	☼	-4	28 - 125
Benzo (a) anthracene	8.12		2.04	8.71	E	mg/kg dry	☼	29	23 - 120
Benzo (a) pyrene	5.00		2.04	6.12	E	mg/kg dry	☼	55	15 - 128
Benzo (b) fluoranthene	4.21		2.04	4.56	E	mg/kg dry	☼	17	12 - 133
Benzo (g,h,i) perylene	2.90		2.04	4.05		mg/kg dry	☼	57	22 - 120
Benzo (k) fluoranthene	2.69		2.04	4.44	E	mg/kg dry	☼	86	28 - 120
4-Bromophenyl phenyl ether	ND		2.04	1.43		mg/kg dry	☼	70	31 - 120
Butyl benzyl phthalate	ND		2.04	1.45		mg/kg dry	☼	71	24 - 133
Carbazole	ND		2.04	1.86		mg/kg dry	☼	91	25 - 123
4-Chloro-3-methylphenol	ND		2.04	1.00		mg/kg dry	☼	49	21 - 120
4-Chloroaniline	ND		2.04	1.50		mg/kg dry	☼	73	26 - 120
Bis(2-chloroethoxy)methane	ND		2.04	1.32		mg/kg dry	☼	65	24 - 120
Bis(2-chloroethyl)ether	ND		2.04	1.28		mg/kg dry	☼	63	22 - 120
Bis(2-chloroisopropyl)ether	ND		2.04	1.43		mg/kg dry	☼	70	20 - 120
2-Chloronaphthalene	ND		2.04	1.11		mg/kg dry	☼	54	24 - 120
2-Chlorophenol	ND		2.04	0.435	M8	mg/kg dry	☼	21	25 - 120
4-Chlorophenyl phenyl ether	ND		2.04	1.43		mg/kg dry	☼	70	26 - 120
Chrysene	7.50		2.04	7.82	E M8	mg/kg dry	☼	16	20 - 120
Dibenz (a,h) anthracene	0.782		2.04	2.43		mg/kg dry	☼	81	12 - 128
Dibenzofuran	5.36		2.04	6.45	E	mg/kg dry	☼	53	21 - 120
Di-n-butyl phthalate	ND		2.04	1.36		mg/kg dry	☼	67	29 - 126
1,4-Dichlorobenzene	ND		2.04	1.18		mg/kg dry	☼	58	10 - 120
1,2-Dichlorobenzene	ND		2.04	1.02		mg/kg dry	☼	50	10 - 120
1,3-Dichlorobenzene	ND		2.04	1.17		mg/kg dry	☼	57	10 - 120
3,3-Dichlorobenzidine	ND		2.04	1.42		mg/kg dry	☼	70	10 - 120
2,4-Dichlorophenol	ND		2.04	0.404		mg/kg dry	☼	20	17 - 120
Diethyl phthalate	ND		2.04	1.16		mg/kg dry	☼	57	29 - 122
2,4-Dimethylphenol	ND		2.04	1.36		mg/kg dry	☼	67	17 - 120
Dimethyl phthalate	ND		2.04	1.13		mg/kg dry	☼	55	30 - 120
4,6-Dinitro-2-methylphenol	ND		2.04	ND	M8	mg/kg dry	☼		10 - 134
2,4-Dinitrophenol	ND		2.04	0.264		mg/kg dry	☼	13	10 - 150
2,6-Dinitrotoluene	ND		2.04	0.909		mg/kg dry	☼	45	24 - 120
2,4-Dinitrotoluene	ND		2.04	0.909		mg/kg dry	☼	45	24 - 121
Di-n-octyl phthalate	ND		2.04	1.23		mg/kg dry	☼	60	27 - 130
Bis(2-ethylhexyl)phthalate	ND		2.04	1.36		mg/kg dry	☼	67	26 - 120
Fluoranthene	13.6		2.04	3.13	M8	mg/kg dry	☼	-510	10 - 143
Fluorene	28.3		2.04	29.4	E	mg/kg dry	☼	52	20 - 120
Hexachlorobenzene	ND		2.04	1.64		mg/kg dry	☼	81	25 - 120
Hexachlorobutadiene	ND		2.04	1.60		mg/kg dry	☼	79	10 - 120
Hexachlorocyclopentadiene	ND		2.04	ND	M8	mg/kg dry	☼		10 - 120
Hexachloroethane	ND		2.04	2.18		mg/kg dry	☼	107	10 - 120
Indeno (1,2,3-cd) pyrene	2.37		2.04	3.50		mg/kg dry	☼	55	22 - 121
Isophorone	ND		2.04	1.30		mg/kg dry	☼	64	24 - 120
2-Methylnaphthalene	32.1		2.04	25.9	E M8	mg/kg dry	☼	-307	13 - 120
2-Methylphenol	ND		2.04	1.09		mg/kg dry	☼	53	23 - 120
3/4-Methylphenol	ND		2.04	1.11		mg/kg dry	☼	55	19 - 120
Naphthalene	31.5		2.04	26.2	E M8	mg/kg dry	☼	-257	10 - 120

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L0581-MS1

Matrix: Soil

Analysis Batch: U021185

Client Sample ID: S-WC#1ESMI(120111)

Prep Type: Total

Prep Batch: 11L0581_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
3-Nitroaniline	ND		2.04	1.33		mg/kg dry	☼	65	31 - 120
2-Nitroaniline	ND		2.04	1.56		mg/kg dry	☼	77	31 - 120
4-Nitroaniline	ND		2.04	1.33		mg/kg dry	☼	65	28 - 120
Nitrobenzene	ND		2.04	1.36		mg/kg dry	☼	67	19 - 120
4-Nitrophenol	ND		2.04	0.404		mg/kg dry	☼	20	16 - 139
2-Nitrophenol	ND		2.04	0.313	M8	mg/kg dry	☼	15	23 - 120
N-Nitrosodiphenylamine	ND		2.04	5.15	E M7	mg/kg dry	☼	252	26 - 150
N-Nitrosodi-n-propylamine	ND		2.04	1.42		mg/kg dry	☼	70	24 - 120
Pentachlorophenol	ND		2.04	ND	M8	mg/kg dry	☼		19 - 145
Phenanthrene	36.7		2.04	35.0	E M8	mg/kg dry	☼	-83	21 - 122
Phenol	ND		2.04	0.937		mg/kg dry	☼	46	15 - 120
Pyrene	17.1		2.04	16.1	E M8	mg/kg dry	☼	-52	20 - 123
1,2,4-Trichlorobenzene	ND		2.04	1.30		mg/kg dry	☼	63	14 - 120
2,4,6-Trichlorophenol	ND		2.04	ND	M8	mg/kg dry	☼		24 - 122
2,4,5-Trichlorophenol	ND		2.04	ND	M8	mg/kg dry	☼		27 - 120

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Terphenyl-d14	73		18 - 120
2,4,6-Tribromophenol	3	ZX	19 - 120
Phenol-d5	36		18 - 120
2-Fluorobiphenyl	54		14 - 120
2-Fluorophenol	10	ZX	17 - 120
Nitrobenzene-d5	62		17 - 120

Lab Sample ID: 11L0581-MSD1

Matrix: Soil

Analysis Batch: U021185

Client Sample ID: S-WC#1ESMI(120111)

Prep Type: Total

Prep Batch: 11L0581_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Acenaphthene	32.0		2.08	29.4	E M8	mg/kg dry	☼	-127	19 - 120	13	50
Acenaphthylene	4.15		2.08	4.60	E M8	mg/kg dry	☼	22	25 - 120	14	50
Anthracene	14.0		2.08	13.3	E M8	mg/kg dry	☼	-31	28 - 125	4	49
Benzo (a) anthracene	8.12		2.08	7.57	E M8	mg/kg dry	☼	-26	23 - 120	14	50
Benzo (a) pyrene	5.00		2.08	5.17	E M8	mg/kg dry	☼	8	15 - 128	17	50
Benzo (b) fluoranthene	4.21		2.08	4.31	E M8	mg/kg dry	☼	5	12 - 133	6	50
Benzo (g,h,i) perylene	2.90		2.08	3.57		mg/kg dry	☼	33	22 - 120	13	50
Benzo (k) fluoranthene	2.69		2.08	3.57		mg/kg dry	☼	42	28 - 120	22	45
4-Bromophenyl phenyl ether	ND		2.08	1.43		mg/kg dry	☼	69	31 - 120	0.4	37
Butyl benzyl phthalate	ND		2.08	1.45		mg/kg dry	☼	70	24 - 133	0.4	50
Carbazole	ND		2.08	1.84		mg/kg dry	☼	88	25 - 123	1	46
4-Chloro-3-methylphenol	ND		2.08	0.891		mg/kg dry	☼	43	21 - 120	12	49
4-Chloroaniline	ND		2.08	1.46		mg/kg dry	☼	70	26 - 120	2	50
Bis(2-chloroethoxy)methane	ND		2.08	1.29		mg/kg dry	☼	62	24 - 120	2	50
Bis(2-chloroethyl)ether	ND		2.08	1.28		mg/kg dry	☼	62	22 - 120	0.1	50
Bis(2-chloroisopropyl)ether	ND		2.08	1.34		mg/kg dry	☼	65	20 - 120	6	50
2-Chloronaphthalene	ND		2.08	1.03		mg/kg dry	☼	50	24 - 120	7	50
2-Chlorophenol	ND		2.08	0.393	M8	mg/kg dry	☼	19	25 - 120	10	50
4-Chlorophenyl phenyl ether	ND		2.08	1.33		mg/kg dry	☼	64	26 - 120	7	50
Chrysene	7.50		2.08	7.10	E M8	mg/kg dry	☼	-20	20 - 120	10	49

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L0581-MSD1

Matrix: Soil

Analysis Batch: U021185

Client Sample ID: S-WC#1ESMI(120111)

Prep Type: Total

Prep Batch: 11L0581_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenz (a,h) anthracene	0.782		2.08	2.18		mg/kg dry	☼	67	12 - 128	11	50
Dibenzofuran	5.36		2.08	5.86	E	mg/kg dry	☼	24	21 - 120	10	50
Di-n-butyl phthalate	ND		2.08	1.35		mg/kg dry	☼	65	29 - 126	0.7	49
1,4-Dichlorobenzene	ND		2.08	1.18		mg/kg dry	☼	57	10 - 120	0.2	50
1,2-Dichlorobenzene	ND		2.08	1.01		mg/kg dry	☼	49	10 - 120	0.7	50
1,3-Dichlorobenzene	ND		2.08	1.17		mg/kg dry	☼	56	10 - 120	0.02	50
3,3-Dichlorobenzidine	ND		2.08	1.42		mg/kg dry	☼	68	10 - 120	0.09	50
2,4-Dichlorophenol	ND		2.08	0.421		mg/kg dry	☼	20	17 - 120	4	50
Diethyl phthalate	ND		2.08	1.11		mg/kg dry	☼	53	29 - 122	5	45
2,4-Dimethylphenol	ND		2.08	1.38		mg/kg dry	☼	67	17 - 120	1	50
Dimethyl phthalate	ND		2.08	1.07		mg/kg dry	☼	51	30 - 120	6	46
4,6-Dinitro-2-methylphenol	ND		2.08	ND	M8	mg/kg dry	☼		10 - 134		50
2,4-Dinitrophenol	ND		2.08	0.248		mg/kg dry	☼	12	10 - 150	6	50
2,6-Dinitrotoluene	ND		2.08	0.794		mg/kg dry	☼	38	24 - 120	14	50
2,4-Dinitrotoluene	ND		2.08	0.794		mg/kg dry	☼	38	24 - 121	14	50
Di-n-octyl phthalate	ND		2.08	1.23		mg/kg dry	☼	59	27 - 130	0.3	50
Bis(2-ethylhexyl)phthalate	ND		2.08	1.43		mg/kg dry	☼	69	26 - 120	5	50
Fluoranthene	13.6		2.08	12.3	E M8	mg/kg dry	☼	-58	10 - 143	119	50
Fluorene	28.3		2.08	26.5	E M8	mg/kg dry	☼	-85	20 - 120	10	50
Hexachlorobenzene	ND		2.08	1.59		mg/kg dry	☼	77	25 - 120	3	50
Hexachlorobutadiene	ND		2.08	1.59		mg/kg dry	☼	77	10 - 120	0.7	50
Hexachlorocyclopentadiene	ND		2.08	ND	M8	mg/kg dry	☼		10 - 120		50
Hexachloroethane	ND		2.08	2.11		mg/kg dry	☼	102	10 - 120	3	50
Indeno (1,2,3-cd) pyrene	2.37		2.08	3.11		mg/kg dry	☼	36	22 - 121	12	50
Isophorone	ND		2.08	1.29		mg/kg dry	☼	62	24 - 120	0.8	50
2-Methylnaphthalene	32.1		2.08	20.4	E M8	mg/kg dry	☼	-565	13 - 120	24	50
2-Methylphenol	ND		2.08	1.04		mg/kg dry	☼	50	23 - 120	5	50
3/4-Methylphenol	ND		2.08	1.05		mg/kg dry	☼	51	19 - 120	6	50
Naphthalene	31.5		2.08	22.3	E M8	mg/kg dry	☼	-439	10 - 120	16	50
3-Nitroaniline	ND		2.08	1.13		mg/kg dry	☼	55	31 - 120	16	49
2-Nitroaniline	ND		2.08	1.54		mg/kg dry	☼	74	31 - 120	1	50
4-Nitroaniline	ND		2.08	1.50		mg/kg dry	☼	72	28 - 120	12	49
Nitrobenzene	ND		2.08	1.33		mg/kg dry	☼	64	19 - 120	2	50
4-Nitrophenol	ND		2.08	0.220	M8	mg/kg dry	☼	11	16 - 139	59	45
2-Nitrophenol	ND		2.08	0.278	M8	mg/kg dry	☼	13	23 - 120	12	50
N-Nitrosodiphenylamine	ND		2.08	4.75	E M7	mg/kg dry	☼	228	26 - 150	8	50
N-Nitrosodi-n-propylamine	ND		2.08	1.41		mg/kg dry	☼	68	24 - 120	0.6	50
Pentachlorophenol	ND		2.08	ND	M8	mg/kg dry	☼		19 - 145		50
Phenanthrene	36.7		2.08	34.7	E M8	mg/kg dry	☼	-97	21 - 122	0.9	50
Phenol	ND		2.08	0.871		mg/kg dry	☼	42	15 - 120	7	50
Pyrene	17.1		2.08	15.1	E M8	mg/kg dry	☼	-96	20 - 123	6	50
1,2,4-Trichlorobenzene	ND		2.08	1.28		mg/kg dry	☼	61	14 - 120	1	50
2,4,6-Trichlorophenol	ND		2.08	ND	M8	mg/kg dry	☼		24 - 122		50
2,4,5-Trichlorophenol	ND		2.08	ND	M8	mg/kg dry	☼		27 - 120		50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
Terphenyl-d14	74		18 - 120
2,4,6-Tribromophenol	3	ZX	19 - 120
Phenol-d5	33		18 - 120

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L0581-MSD1

Matrix: Soil

Analysis Batch: U021185

Client Sample ID: S-WC#1ESMI(120111)

Prep Type: Total

Prep Batch: 11L0581_P

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
2-Fluorobiphenyl	50		14 - 120
2-Fluorophenol	10	ZX	17 - 120
Nitrobenzene-d5	60		17 - 120

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Lab Sample ID: 11L0510-BLK1

Matrix: Soil

Analysis Batch: U021233

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0510_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		5.00		mg/kg wet		12/02/11 14:05	12/02/11 17:38	50.0
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	74		50 - 150				12/02/11 14:05	12/02/11 17:38	50.0

Lab Sample ID: 11L0510-BLK2

Matrix: Soil

Analysis Batch: U021233

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0510_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		5.00		mg/kg wet		12/02/11 14:05	12/02/11 17:55	50.0
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	101		50 - 150				12/02/11 14:05	12/02/11 17:55	50.0

Lab Sample ID: 11L0510-BS1

Matrix: Soil

Analysis Batch: U021233

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0510_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO as Gasoline	10.0	9.78		mg/kg wet		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	70		50 - 150				

Lab Sample ID: 11L0510-BS2

Matrix: Soil

Analysis Batch: U021233

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0510_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO as Gasoline	10.0	10.2		mg/kg wet		102	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	64		50 - 150				

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11L0510-BSD1

Matrix: Soil

Analysis Batch: U021233

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11L0510_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO as Gasoline	10.0	10.4		mg/kg wet		104	70 - 130	6	23
Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits						
a,a,a-Trifluorotoluene	80		50 - 150						

Lab Sample ID: 11L0510-BSD2

Matrix: Soil

Analysis Batch: U021233

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11L0510_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO as Gasoline	10.0	9.85		mg/kg wet		98	70 - 130	4	23
Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits						
a,a,a-Trifluorotoluene	97		50 - 150						

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Lab Sample ID: 11L0583-BLK1

Matrix: Soil

Analysis Batch: U021250

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0583_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		5.00		mg/kg wet		12/03/11 08:02	12/04/11 03:20	1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl	66		50 - 150	12/03/11 08:02	12/04/11 03:20	1.00			

Lab Sample ID: 11L0583-BS1

Matrix: Soil

Analysis Batch: U021250

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0583_P

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel			40.0	34.9	MNR	mg/kg wet		87	54 - 130		
				LCS	LCS						
Surrogate		%Recovery	Qualifier	Limits							
o-Terphenyl		75		50 - 150							

Method: SW846 8082 - Polychlorinated Biphenyls by EPA Method 8082

Lab Sample ID: 11L0578-BLK1

Matrix: Soil

Analysis Batch: U021255

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0578_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0333		mg/kg wet		12/03/11 07:48	12/05/11 13:27	1.00
PCB-1221	ND		0.0333		mg/kg wet		12/03/11 07:48	12/05/11 13:27	1.00
PCB-1232	ND		0.0333		mg/kg wet		12/03/11 07:48	12/05/11 13:27	1.00
PCB-1242	ND		0.0333		mg/kg wet		12/03/11 07:48	12/05/11 13:27	1.00

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 8082 - Polychlorinated Biphenyls by EPA Method 8082 (Continued)

Lab Sample ID: 11L0578-BLK1

Matrix: Soil

Analysis Batch: U021255

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0578_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	ND		0.0333		mg/kg wet		12/03/11 07:48	12/05/11 13:27	1.00
PCB-1254	ND		0.0333		mg/kg wet		12/03/11 07:48	12/05/11 13:27	1.00
PCB-1260	ND		0.0333		mg/kg wet		12/03/11 07:48	12/05/11 13:27	1.00
Surrogate	%Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	98		19 - 147				12/03/11 07:48	12/05/11 13:27	1.00
Decachlorobiphenyl	100		20 - 150				12/03/11 07:48	12/05/11 13:27	1.00

Lab Sample ID: 11L0578-BS1

Matrix: Soil

Analysis Batch: U021255

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0578_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.167	0.152	MNR1	mg/kg wet		91	65 - 125
PCB-1260	0.167	0.163	MNR1	mg/kg wet		98	52 - 150
Surrogate	%Recovery	LCS Qualifier	Limits				
Tetrachloro-meta-xylene	94		19 - 147				
Decachlorobiphenyl	100		20 - 150				

Method: SW846 9056 - General Chemistry Parameters

Lab Sample ID: 11L1363-BLK1

Matrix: Soil

Analysis Batch: U021382

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1363_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		10.0		mg/kg wet		12/06/11 13:00	12/06/11 13:00	1.00

Lab Sample ID: 11L1363-BS1

Matrix: Soil

Analysis Batch: U021382

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1363_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	500	496		mg/kg wet		99	90 - 110

Method: SW846 6010B - Total Metals by EPA Method 6010B

Lab Sample ID: 11L0951-BLK1

Matrix: Soil

Analysis Batch: 11L0951

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0951_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20.2		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Antimony	ND		10.1		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Arsenic	ND		1.01		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Barium	ND		2.02		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Beryllium	ND		1.01		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Cadmium	ND		1.01		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 6010B - Total Metals by EPA Method 6010B (Continued)

Lab Sample ID: 11L0951-BLK1

Matrix: Soil

Analysis Batch: 11L0951

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0951_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		101		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Chromium	ND		1.01		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Cobalt	ND		3.03		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Copper	ND		2.02		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Iron	ND		10.1		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Lead	ND		1.01		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Magnesium	ND		101		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Manganese	ND		3.03		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Nickel	ND		2.02		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Potassium	ND		101		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Selenium	ND		2.02		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Silver	ND		1.01		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Sodium	ND		202		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Sulfur	ND		50.5		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Thallium	ND		2.02		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Vanadium	ND		10.1		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00
Zinc	ND		10.1		mg/kg wet		12/05/11 11:00	12/06/11 10:05	1.00

Lab Sample ID: 11L0951-BS1

Matrix: Soil

Analysis Batch: 11L0951

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0951_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	808	762		mg/kg wet		94	80 - 120
Antimony	40.4	43.2		mg/kg wet		107	80 - 120
Arsenic	20.2	19.6		mg/kg wet		97	80 - 120
Barium	808	850		mg/kg wet		105	80 - 120
Beryllium	20.2	19.8		mg/kg wet		98	80 - 120
Cadmium	20.2	20.0		mg/kg wet		99	80 - 120
Calcium	2020	2030		mg/kg wet		100	80 - 120
Chromium	80.8	77.8		mg/kg wet		96	80 - 120
Cobalt	202	199		mg/kg wet		99	80 - 120
Copper	101	98.4		mg/kg wet		97	80 - 120
Iron	404	396		mg/kg wet		98	80 - 120
Lead	20.2	21.0		mg/kg wet		104	80 - 120
Magnesium	2020	2020		mg/kg wet		100	80 - 120
Manganese	202	203		mg/kg wet		100	80 - 120
Nickel	202	205		mg/kg wet		101	80 - 120
Potassium	2020	1880		mg/kg wet		93	80 - 120
Selenium	20.2	20.0		mg/kg wet		99	80 - 120
Silver	20.2	19.3		mg/kg wet		95	75 - 125
Sodium	2020	1980		mg/kg wet		98	80 - 120
Sulfur	404	390		mg/kg wet		96	80 - 120
Thallium	20.2	17.4		mg/kg wet		86	80 - 120
Vanadium	202	198		mg/kg wet		98	80 - 120
Zinc	202	188		mg/kg wet		93	80 - 120

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 6010B - Total Metals by EPA Method 6010B (Continued)

Lab Sample ID: 11L0951-MS1

Matrix: Soil

Analysis Batch: 11L0951

Client Sample ID: S-WC#1ESMI(120111)

Prep Type: Total

Prep Batch: 11L0951_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Aluminum	12500	MHA	965	20100	MHA	mg/kg dry	✱	788	75 - 125
Antimony	ND		48.2	53.4		mg/kg dry	✱	111	75 - 125
Arsenic	11.7		24.1	37.3		mg/kg dry	✱	106	75 - 125
Barium	125		965	1130		mg/kg dry	✱	104	75 - 125
Beryllium	0.729		24.1	24.6		mg/kg dry	✱	99	75 - 125
Cadmium	ND		24.1	23.1		mg/kg dry	✱	96	75 - 125
Calcium	43200	MHA	2410	47900	MHA	mg/kg dry	✱	199	75 - 125
Chromium	13.5		96.5	114		mg/kg dry	✱	105	75 - 125
Cobalt	10.0		241	268		mg/kg dry	✱	107	75 - 125
Copper	80.9	M8	121	162	M8	mg/kg dry	✱	67	75 - 125
Iron	24800	MHA	482	28700	MHA	mg/kg dry	✱	813	75 - 125
Lead	75.1	M7	24.1	116	M7	mg/kg dry	✱	170	75 - 125
Magnesium	3500		2410	6360		mg/kg dry	✱	119	75 - 125
Manganese	336		241	547		mg/kg dry	✱	88	75 - 125
Nickel	51.9		241	320		mg/kg dry	✱	111	75 - 125
Potassium	1460	M7	2410	5780	M7	mg/kg dry	✱	179	75 - 125
Selenium	2.54		24.1	26.8		mg/kg dry	✱	101	75 - 125
Silver	ND		24.1	24.7		mg/kg dry	✱	102	75 - 125
Sodium	266		2410	2720		mg/kg dry	✱	102	75 - 125
Sulfur	8950	MHA	482	11200	MHA	mg/kg dry	✱	469	75 - 125
Thallium	ND	M8	24.1	17.6	M8	mg/kg dry	✱	73	75 - 125
Vanadium	149		241	406		mg/kg dry	✱	107	75 - 125
Zinc	115		241	342		mg/kg dry	✱	94	75 - 125

Lab Sample ID: 11L0951-MSD1

Matrix: Soil

Analysis Batch: 11L0951

Client Sample ID: S-WC#1ESMI(120111)

Prep Type: Total

Prep Batch: 11L0951_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Aluminum	12500	MHA	991	10400	MHA R3	mg/kg dry	✱	-207	75 - 125	63	20
Antimony	ND		49.6	54.2		mg/kg dry	✱	109	75 - 125	2	20
Arsenic	11.7		24.8	33.9		mg/kg dry	✱	89	75 - 125	10	20
Barium	125		991	1080		mg/kg dry	✱	96	75 - 125	4	20
Beryllium	0.729		24.8	24.8		mg/kg dry	✱	97	75 - 125	0.7	20
Cadmium	ND		24.8	23.6		mg/kg dry	✱	95	75 - 125	2	20
Calcium	43200	MHA	2480	37100	MHA R3	mg/kg dry	✱	-246	75 - 125	26	20
Chromium	13.5		99.1	105		mg/kg dry	✱	92	75 - 125	8	20
Cobalt	10.0		248	261		mg/kg dry	✱	101	75 - 125	2	20
Copper	80.9	M8	124	146	M8	mg/kg dry	✱	53	75 - 125	10	20
Iron	24800	MHA	496	21300	MHA R3	mg/kg dry	✱	-716	75 - 125	30	20
Lead	75.1	M7	24.8	73.5	M7 R3	mg/kg dry	✱	-7	75 - 125	45	20
Magnesium	3500		2480	4970	R3 M8	mg/kg dry	✱	59	75 - 125	25	20
Manganese	336		248	413	M8 R3	mg/kg dry	✱	31	75 - 125	28	20
Nickel	51.9		248	297		mg/kg dry	✱	99	75 - 125	8	20
Potassium	1460	M7	2480	3750	R3	mg/kg dry	✱	92	75 - 125	42	20
Selenium	2.54		24.8	27.0		mg/kg dry	✱	99	75 - 125	0.5	20
Silver	ND		24.8	24.5		mg/kg dry	✱	99	75 - 125	0.7	20
Sodium	266		2480	2630		mg/kg dry	✱	95	75 - 125	3	20
Sulfur	8950	MHA	496	6320	MHA R3	mg/kg dry	✱	-530	75 - 125	56	20
Thallium	ND	M8	24.8	19.8		mg/kg dry	✱	80	75 - 125	12	20

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 6010B - Total Metals by EPA Method 6010B (Continued)

Lab Sample ID: 11L0951-MSD1

Matrix: Soil

Analysis Batch: 11L0951

Client Sample ID: S-WC#1ESMI(120111)

Prep Type: Total

Prep Batch: 11L0951_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium	149		248	342		mg/kg dry	✱	78	75 - 125	17	20
Zinc	115		248	304		mg/kg dry	✱	76	75 - 125	12	20

Method: SW846 7471A - Mercury by EPA Methods 7470A/7471A

Lab Sample ID: 11L1023-BLK1

Matrix: Soil

Analysis Batch: 11L1023

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1023_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.099		mg/kg wet		12/05/11 10:00	12/05/11 11:37	1.0

Lab Sample ID: 11L1023-BS1

Matrix: Soil

Analysis Batch: 11L1023

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1023_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.164	0.19		mg/kg wet		118	80 - 120

Method: ASTM D240 - General Chemistry Parameters

Lab Sample ID: 11L1538-BLK1

Matrix: Soil

Analysis Batch: 11L1538

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1538_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
BTU Content	ND		200		BTU/Lb		12/06/11 19:00	12/06/11 19:00	1.00

Lab Sample ID: 11L1538-BS1

Matrix: Soil

Analysis Batch: 11L1538

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1538_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
BTU Content	11400	10800		BTU/Lb		95	90 - 110

Lab Sample ID: 11L1538-DUP1

Matrix: Soil

Analysis Batch: 11L1538

Client Sample ID: S-WC#1ESMI(120111)

Prep Type: Total

Prep Batch: 11L1538_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
BTU Content	ND		ND		BTU/Lb			10

Method: SW846 9012B - General Chemistry Parameters

Lab Sample ID: 11L0245-BLK1

Matrix: Soil

Analysis Batch: 11L0245

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0245_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide	ND		2.00		mg/kg wet		12/06/11 14:20	12/06/11 16:22	1.00

QC Sample Results

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method: SW846 9012B - General Chemistry Parameters (Continued)

Lab Sample ID: 11L0245-BS1
Matrix: Soil
Analysis Batch: 11L0245

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11L0245_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide	5.00	4.50		mg/kg wet		90	80 - 120

Lab Sample ID: 11L0245-BSD1
Matrix: Soil
Analysis Batch: 11L0245

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11L0245_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cyanide	5.00	4.11		mg/kg wet		82	80 - 120	9	19

Lab Sample ID: 11L0245-DUP1
Matrix: Soil
Analysis Batch: 11L0245

Client Sample ID: S-WC#1ESMI(120111)
Prep Type: Total
Prep Batch: 11L0245_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
Cyanide	ND		ND		mg/kg dry	✱		19

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

GCMS Volatiles

Analysis Batch: U021366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K6832-BLK1	Method Blank	Total	Soil	SW846 8260B	11K6832_P
11K6832-BLK2	Method Blank	Total	Soil	SW846 8260B	11K6832_P
11K6832-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11K6832_P
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	SW846 8260B	11K6832_P
NVL0235-01 - RE1	S-WC#1ESMI(120111)	Total	Soil	SW846 8260B	11K6832_P

Prep Batch: 11K6832_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K6832-BLK1	Method Blank	Total	Soil	EPA 5035	
11K6832-BLK2	Method Blank	Total	Soil	EPA 5035	
11K6832-BS1	Lab Control Sample	Total	Soil	EPA 5035	
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	EPA 5035	
NVL0235-01 - RE1	S-WC#1ESMI(120111)	Total	Soil	EPA 5035	

GCMS Semivolatiles

Analysis Batch: 11L0581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL0235-01 - RE2	S-WC#1ESMI(120111)	Total	Soil	SW846 8270C	11L0581_P

Analysis Batch: U021185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0581-BLK1	Method Blank	Total	Soil	SW846 8270C	11L0581_P
11L0581-BS1	Lab Control Sample	Total	Soil	SW846 8270C	11L0581_P
11L0581-MS1	S-WC#1ESMI(120111)	Total	Soil	SW846 8270C	11L0581_P
11L0581-MSD1	S-WC#1ESMI(120111)	Total	Soil	SW846 8270C	11L0581_P
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	SW846 8270C	11L0581_P
NVL0235-01 - RE1	S-WC#1ESMI(120111)	Total	Soil	SW846 8270C	11L0581_P

Prep Batch: 11L0581_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0581-BLK1	Method Blank	Total	Soil	EPA 3550C	
11L0581-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11L0581-MS1	S-WC#1ESMI(120111)	Total	Soil	EPA 3550C	
11L0581-MSD1	S-WC#1ESMI(120111)	Total	Soil	EPA 3550C	
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	EPA 3550C	
NVL0235-01 - RE1	S-WC#1ESMI(120111)	Total	Soil	EPA 3550C	
NVL0235-01 - RE2	S-WC#1ESMI(120111)	Total	Soil	EPA 3550C	

GC Volatiles

Analysis Batch: U021233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0510-BLK1	Method Blank	Total	Soil	SW846 8015B	11L0510_P
11L0510-BLK2	Method Blank	Total	Soil	SW846 8015B	11L0510_P
11L0510-BS1	Lab Control Sample	Total	Soil	SW846 8015B	11L0510_P
11L0510-BS2	Lab Control Sample	Total	Soil	SW846 8015B	11L0510_P
11L0510-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8015B	11L0510_P
11L0510-BSD2	Lab Control Sample Dup	Total	Soil	SW846 8015B	11L0510_P
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	SW846 8015B	11L0510_P

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

GC Volatiles (Continued)

Prep Batch: 11L0510_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0510-BLK1	Method Blank	Total	Soil	EPA 5035A (GC)	
11L0510-BLK2	Method Blank	Total	Soil	EPA 5035A (GC)	
11L0510-BS1	Lab Control Sample	Total	Soil	EPA 5035A (GC)	
11L0510-BS2	Lab Control Sample	Total	Soil	EPA 5035A (GC)	
11L0510-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035A (GC)	
11L0510-BSD2	Lab Control Sample Dup	Total	Soil	EPA 5035A (GC)	
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	EPA 5035A (GC)	

GC Semivolatiles

Analysis Batch: U021250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0583-BLK1	Method Blank	Total	Soil	SW846 8015B	11L0583_P
11L0583-BS1	Lab Control Sample	Total	Soil	SW846 8015B	11L0583_P
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	SW846 8015B	11L0583_P

Prep Batch: 11L0583_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0583-BLK1	Method Blank	Total	Soil	EPA 3550B	
11L0583-BS1	Lab Control Sample	Total	Soil	EPA 3550B	
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	EPA 3550B	

Pesticides

Analysis Batch: U021255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0578-BLK1	Method Blank	Total	Soil	SW846 8082	11L0578_P
11L0578-BS1	Lab Control Sample	Total	Soil	SW846 8082	11L0578_P

Analysis Batch: U021266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL0235-01 - RE1	S-WC#1ESMI(120111)	Total	Soil	SW846 8082	11L0578_P

Prep Batch: 11L0578_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0578-BLK1	Method Blank	Total	Soil	EPA 3550C/3665A	
11L0578-BS1	Lab Control Sample	Total	Soil	EPA 3550C/3665A	
NVL0235-01 - RE1	S-WC#1ESMI(120111)	Total	Soil	EPA 3550C/3665A	

HPLC

Analysis Batch: U021382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1363-BLK1	Method Blank	Total	Soil	SW846 9056	11L1363_P

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

HPLC (Continued)

Analysis Batch: U021382 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1363-BS1	Lab Control Sample	Total	Soil	SW846 9056	11L1363_P
NVL0235-01 - RE2	S-WC#1ESMI(120111)	Total	Soil	SW846 9056	11L1363_P

Prep Batch: 11L1363_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1363-BLK1	Method Blank	Total	Soil	Method Prep (IC)	
11L1363-BS1	Lab Control Sample	Total	Soil	Method Prep (IC)	
NVL0235-01 - RE2	S-WC#1ESMI(120111)	Total	Soil	Method Prep (IC)	

Metals

Analysis Batch: 11L0951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0951-BLK1	Method Blank	Total	Soil	SW846 6010B	11L0951_P
11L0951-BS1	Lab Control Sample	Total	Soil	SW846 6010B	11L0951_P
11L0951-MS1	S-WC#1ESMI(120111)	Total	Soil	SW846 6010B	11L0951_P
11L0951-MSD1	S-WC#1ESMI(120111)	Total	Soil	SW846 6010B	11L0951_P
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	SW846 6010B	11L0951_P

Analysis Batch: 11L1023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1023-BLK1	Method Blank	Total	Soil	SW846 7471A	11L1023_P
11L1023-BS1	Lab Control Sample	Total	Soil	SW846 7471A	11L1023_P
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	SW846 7471A	11L1023_P

Prep Batch: 11L0951_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0951-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
11L0951-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
11L0951-MS1	S-WC#1ESMI(120111)	Total	Soil	EPA 3051A/6010	
11L0951-MSD1	S-WC#1ESMI(120111)	Total	Soil	EPA 3051A/6010	
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	EPA 3051A/6010	

Prep Batch: 11L1023_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1023-BLK1	Method Blank	Total	Soil	EPA 7471	
11L1023-BS1	Lab Control Sample	Total	Soil	EPA 7471	
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	EPA 7471	

WetChem

Analysis Batch: 11L0245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0245-BLK1	Method Blank	Total	Soil	SW846 9012B	11L0245_P
11L0245-BS1	Lab Control Sample	Total	Soil	SW846 9012B	11L0245_P
11L0245-BSD1	Lab Control Sample Dup	Total	Soil	SW846 9012B	11L0245_P
11L0245-DUP1	S-WC#1ESMI(120111)	Total	Soil	SW846 9012B	11L0245_P
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	SW846 9012B	11L0245_P

QC Association Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

WetChem (Continued)

Analysis Batch: 11L1538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1538-BLK1	Method Blank	Total	Soil	ASTM D240	11L1538_P
11L1538-BS1	Lab Control Sample	Total	Soil	ASTM D240	11L1538_P
11L1538-DUP1	S-WC#1ESMI(120111)	Total	Soil	ASTM D240	11L1538_P
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	ASTM D240	11L1538_P

Prep Batch: 11L0245_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0245-BLK1	Method Blank	Total	Soil	NO PREP	
11L0245-BS1	Lab Control Sample	Total	Soil	NO PREP	
11L0245-BSD1	Lab Control Sample Dup	Total	Soil	NO PREP	
11L0245-DUP1	S-WC#1ESMI(120111)	Total	Soil	NO PREP	
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	NO PREP	

Prep Batch: 11L1538_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1538-BLK1	Method Blank	Total	Soil	BTU	
11L1538-BS1	Lab Control Sample	Total	Soil	BTU	
11L1538-DUP1	S-WC#1ESMI(120111)	Total	Soil	BTU	
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	BTU	

Extractions

Analysis Batch: 11L0610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	SW-846	11L0610_P

Prep Batch: 11L0610_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL0235-01	S-WC#1ESMI(120111)	Total	Soil	% Solids	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Client Sample ID: S-WC#1ESMI(120111)

Lab Sample ID: NVL0235-01

Date Collected: 12/01/11 17:10

Matrix: Soil

Date Received: 12/02/11 08:00

Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.994	11K6832_P	12/02/11 17:29	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U021366	12/04/11 15:42	KXC	TAL NSH
Total	Prep	EPA 5035	RE1	0.994	11K6832_P	12/02/11 17:29	AAN	TAL NSH
Total	Analysis	SW846 8260B	RE1	1000	U021366	12/04/11 16:12	KXC	TAL NSH
Total	Prep	EPA 3550C		0.999	11L0581_P	12/03/11 08:13	JJR	TAL NSH
Total	Analysis	SW846 8270C		1.00	U021185	12/03/11 20:10	JLS	TAL NSH
Total	Prep	EPA 3550C	RE1	0.999	11L0581_P	12/03/11 08:13	JJR	TAL NSH
Total	Analysis	SW846 8270C	RE1	10.0	U021185	12/03/11 20:31	JLS	TAL NSH
Total	Prep	EPA 3550C	RE2	0.999	11L0581_P	12/03/11 08:13	JJR	TAL NSH
Total	Analysis	SW846 8270C	RE2	50.0	11L0581	12/05/11 23:12	KJP	TAL NSH
Total	Prep	EPA 5035A (GC)		1.00	11L0510_P	12/02/11 17:35	AAN	TAL NSH
Total	Analysis	SW846 8015B		50.0	U021233	12/03/11 13:53	FKG	TAL NSH
Total	Prep	EPA 3550B		0.967	11L0583_P	12/03/11 08:02	JJR	TAL NSH
Total	Analysis	SW846 8015B		50.0	U021250	12/04/11 11:16	GMH	TAL NSH
Total	Prep	EPA 3550C/3665A	RE1	0.991	11L0578_P	12/03/11 07:48	JJR	TAL NSH
Total	Analysis	SW846 8082	RE1	1.00	U021266	12/06/11 12:53	RMC	TAL NSH
Total	Analysis	SW846 9056	RE2	5.00	U021382	12/06/11 14:11	JHS	TAL NSH
Total	Prep	Method Prep (IC)	RE2	0.997	11L1363_P	12/06/11 14:11	AMC	TAL NSH
Total	Prep	EPA 3051A/6010		1.00	11L0951_P	12/05/11 11:00	CAT	TAL NSH
Total	Analysis	SW846 6010B		1.00	11L0951	12/06/11 10:28	LTB	TAL NSH
Total	Prep	EPA 7471		0.97	11L1023_P	12/05/11 10:00	MB	TAL NSH
Total	Analysis	SW846 7471A		1.0	11L1023	12/05/11 11:45	MB	TAL NSH
Total	Analysis	ASTM D240		1.00	11L1538	12/06/11 20:07	AMB	TAL NSH
Total	Prep	BTU		1.00	11L1538_P	12/06/11 20:07	AMB	TAL NSH
Total	Prep	NO PREP		1.00	11L0245_P	12/06/11 14:20	JDJ	TAL NSH
Total	Analysis	SW846 9012B		1.00	11L0245	12/06/11 16:32	SAB	TAL NSH
Total	Prep	% Solids		1.00	11L0610_P	12/05/11 15:15	MAH	TAL NSH
Total	Analysis	SW-846		1.00	11L0610	12/06/11 10:35	RRS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas DEQ	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Georgia	State Program	4	N/A
TestAmerica Buffalo	Illinois	NELAC	5	200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Kentucky (UST)	State Program	4	30
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY00044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	2973
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-11-2
TestAmerica Buffalo	USDA	Federal		P330-11-00386
TestAmerica Buffalo	Virginia	NELAC	3	460185
TestAmerica Buffalo	Virginia	State Program	3	00278
TestAmerica Buffalo	Washington	State Program	10	C784
TestAmerica Buffalo	West Virginia DEP	State Program	3	252
TestAmerica Buffalo	Wisconsin	State Program	5	998310390
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska (UST)	State Program	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas DEQ	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canadian Assoc Lab Accred (CALA)	Canada		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Kentucky (UST)	State Program	4	19
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA110014
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032

Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana (UST)	State Program	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina DENR	State Program	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio VAP	State Program	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	Federal		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia DEP	State Program	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430
TestAmerica Nashville	Wyoming (UST)	A2LA	8	453.07

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270C	Semivolatile Organic Compounds by EPA Method 8270C		TAL NSH
SW846 8015B	Purgeable Petroleum Hydrocarbons		TAL NSH
SW846 8015B	Extractable Petroleum Hydrocarbons		TAL NSH
SW846 8082	Polychlorinated Biphenyls by EPA Method 8082		TAL NSH
SW846 9056	General Chemistry Parameters		TAL NSH
SW846 6010B	Total Metals by EPA Method 6010B		TAL NSH
SW846 7471A	Mercury by EPA Methods 7470A/7471A		TAL NSH
ASTM D240	General Chemistry Parameters		TAL NSH
SW846 9012B	General Chemistry Parameters		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13472-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-13472-1	S-WC#1 ESMI (120111)	Solid	12/01/11 17:10	12/03/11 08:42
NVL0235-01	S-WC#1ESMI(120111)	Soil	12/01/11 17:10	12/02/11 08:00

Chain of Custody Record

6108/592

TestAmerica

DISSEMINATING TECHNOLOGIES TO ENHANCE THE

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Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-13472-1

Login Number: 13472

List Source: TestAmerica Buffalo

List Number: 1

Creator: Wienke, Robert

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	N/A	
Cooler Temperature is recorded.	N/A	
COC is present.	N/A	
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	N/A	
Samples are received within Holding Time.	N/A	
Sample containers have legible labels.	N/A	
Containers are not broken or leaking.	N/A	
Sample collection date/times are provided.	N/A	
Appropriate sample containers are used.	N/A	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
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	N/A	
Multiphasic samples are not present.	N/A	
Samples do not require splitting or compositing.	N/A	
Sampling Company provided.	N/A	
Samples received within 48 hours of sampling.	N/A	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-13838-1

Client Project/Site: NYSEG -Binghamton Court Street

For:

New York State Electric & Gas

PO BOX 5224

Binghamton, New York 13902

Attn: Tracy L. Blazicek



Authorized for release by:

12/13/2011 3:12:18 PM

Denise Giglia

Project Manager I

denise.giglia@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
PX	Sample for VOA analysis not received in preserved VOA vials or Encore or similar sampling device.
RL1	Reporting limit raised due to sample matrix effects.

GCMS Semivolatiles

Qualifier	Qualifier Description
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).

GC Semivolatiles

Qualifier	Qualifier Description
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Metals

Qualifier	Qualifier Description
MHA	Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
R3	The RPD exceeded the acceptance limit due to sample matrix effects.

WetChem

Qualifier	Qualifier Description
R2	The RPD exceeded the acceptance limit.

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
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Job ID: 480-13838-1

Laboratory: TestAmerica Nashville

Narrative

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times. There were no relevant protocol specific QC and/or performance standard non-conformances to report with the following exceptions:

The cyanide duplicate (DUP1) RPD is below acceptance limits for batch 11L2095.

Sample vials for the 8260B volatile organic analysis prepared from glass jars.

No TPH DRO matrix spike or matrix spike duplicate data reported for batch 11L2017. The source sample for the MS/MSD required a dilution resulting in the analytes being diluted below the detection limit. See blank spike.

Several 6010B metals recoveries in the matrix spike and matrix spike duplicate associated with batch 11L2030 are outside QC limits due to sample matrix interference. See blank spike.

Mercury recovery in the matrix spike duplicate (130%) associated with batch 11L2030 is outside QC limits (75-125%). See blank spike.

8270C 2-Methylnaphthalene recoveries in the matrix spike (-2%) and matrix spike duplicate (-40%) associated with batch 11L2016 are outside QC limits(13-120%). See blank spike.

8270C Naphthalene recovery in the matrix spike (0%) associated with batch 11L2016 are outside QC limits (10-120%). See blank spike.

Detection Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: NVL1036 - S-WC #2 ESMI(120711)

Lab Sample ID: 480-13838-1

No Detections

Client Sample ID: NVL1036 - S-WC #3 ESMI(120711)

Lab Sample ID: 480-13838-2

No Detections

Client Sample ID: S-WC#2ESMI(120711)

Lab Sample ID: NVL1036-01

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.997	PX	0.123		mg/kg dry	50.0	✱	SW846 8260B	Total
Ethylbenzene	2.54	PX	0.123		mg/kg dry	50.0	✱	SW846 8260B	Total
Isopropylbenzene	0.741	PX	0.123		mg/kg dry	50.0	✱	SW846 8260B	Total
Xylenes, total	1.63	PX	0.307		mg/kg dry	50.0	✱	SW846 8260B	Total
Acenaphthene - RE1	1.86		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Anthracene - RE1	0.803		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Benzo (a) anthracene - RE1	0.544		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Benzo (a) pyrene - RE1	0.445		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Chrysene - RE1	0.542		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Dibenz (a,h) anthracene - RE1	1.26		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Fluoranthene - RE1	1.13		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Fluorene - RE1	1.34		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Indeno (1,2,3-cd) pyrene - RE1	1.18		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
2-Methylnaphthalene - RE1	3.61	M8	0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Naphthalene - RE1	4.08	M8	0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Phenanthrene - RE1	3.28		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
Pyrene - RE1	1.79		0.441		mg/kg dry	5.00	✱	SW846 8270C	Total
GRO as Gasoline	40.6		6.53		mg/kg dry	50.0	✱	SW846 8015B	Total
Diesel	1410		130		mg/kg dry	20.0	✱	SW846 8015B	Total
Aluminum	16000	MHA	25.3		mg/kg dry	1.00	✱	SW846 6010B	Total
Arsenic	8.75		1.26		mg/kg dry	1.00	✱	SW846 6010B	Total
Barium	113		2.53		mg/kg dry	1.00	✱	SW846 6010B	Total
Calcium	1450		126		mg/kg dry	1.00	✱	SW846 6010B	Total
Chromium	16.2		1.26		mg/kg dry	1.00	✱	SW846 6010B	Total
Cobalt	9.69		3.79		mg/kg dry	1.00	✱	SW846 6010B	Total
Copper	49.5		2.53		mg/kg dry	1.00	✱	SW846 6010B	Total
Iron	28500	MHA	12.6		mg/kg dry	1.00	✱	SW846 6010B	Total
Lead	36.3		1.26		mg/kg dry	1.00	✱	SW846 6010B	Total
Magnesium	3710		126		mg/kg dry	1.00	✱	SW846 6010B	Total
Manganese	213		3.79		mg/kg dry	1.00	✱	SW846 6010B	Total
Nickel	22.5		2.53		mg/kg dry	1.00	✱	SW846 6010B	Total
Potassium	1650	M7	126		mg/kg dry	1.00	✱	SW846 6010B	Total
Sulfur	1870	MHA	63.2		mg/kg dry	1.00	✱	SW846 6010B	Total
Vanadium	23.4		12.6		mg/kg dry	1.00	✱	SW846 6010B	Total
Zinc	69.8		12.6		mg/kg dry	1.00	✱	SW846 6010B	Total
BTU Content	2500		200		BTU/Lb	1.00		ASTM D240	Total

Client Sample ID: S-WC#3ESMI(120711)

Lab Sample ID: NVL1036-02

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.603	PX	0.124		mg/kg dry	50.0	✱	SW846 8260B	Total
Ethylbenzene	0.680	PX	0.124		mg/kg dry	50.0	✱	SW846 8260B	Total
Isopropylbenzene	0.643	PX	0.124		mg/kg dry	50.0	✱	SW846 8260B	Total
Xylenes, total	0.668	PX	0.309		mg/kg dry	50.0	✱	SW846 8260B	Total
Acenaphthene - RE1	4.23		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Acenaphthylene - RE1	0.696		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total

Detection Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#3ESMI(120711) (Continued)

Lab Sample ID: NVL1036-02

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene - RE1	1.99		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Benzo (a) anthracene - RE1	1.34		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Benzo (a) pyrene - RE1	1.06		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Benzo (b) fluoranthene - RE1	0.663		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Benzo (g,h,i) perylene - RE1	0.631		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Chrysene - RE1	1.15		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Dibenz (a,h) anthracene - RE1	1.31		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Fluoranthene - RE1	2.94		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Fluorene - RE1	2.93		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Indeno (1,2,3-cd) pyrene - RE1	1.36		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
2-Methylnaphthalene - RE1	6.06		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Naphthalene - RE1	17.8		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Phenanthrene - RE1	8.34		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
Pyrene - RE1	4.39		0.437		mg/kg dry	5.00	✱	SW846 8270C	Total
GRO as Gasoline	34.9		6.39		mg/kg dry	50.0	✱	SW846 8015B	Total
Diesel	2230		130		mg/kg dry	20.0	✱	SW846 8015B	Total
Aluminum	13800		25.6		mg/kg dry	1.00	✱	SW846 6010B	Total
Arsenic	7.77		1.28		mg/kg dry	1.00	✱	SW846 6010B	Total
Barium	92.6		2.56		mg/kg dry	1.00	✱	SW846 6010B	Total
Calcium	1490		128		mg/kg dry	1.00	✱	SW846 6010B	Total
Chromium	14.1		1.28		mg/kg dry	1.00	✱	SW846 6010B	Total
Cobalt	9.44		3.84		mg/kg dry	1.00	✱	SW846 6010B	Total
Copper	36.0		2.56		mg/kg dry	1.00	✱	SW846 6010B	Total
Iron	28900		12.8		mg/kg dry	1.00	✱	SW846 6010B	Total
Lead	81.7		1.28		mg/kg dry	1.00	✱	SW846 6010B	Total
Magnesium	3440		128		mg/kg dry	1.00	✱	SW846 6010B	Total
Manganese	235		3.84		mg/kg dry	1.00	✱	SW846 6010B	Total
Nickel	21.5		2.56		mg/kg dry	1.00	✱	SW846 6010B	Total
Potassium	702		128		mg/kg dry	1.00	✱	SW846 6010B	Total
Sulfur	1740		63.9		mg/kg dry	1.00	✱	SW846 6010B	Total
Vanadium	18.2		12.8		mg/kg dry	1.00	✱	SW846 6010B	Total
Zinc	71.4		12.8		mg/kg dry	1.00	✱	SW846 6010B	Total
BTU Content	1680		200		BTU/Lb	1.00		ASTM D240	Total

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#2ESMI(120711)

Lab Sample ID: NVL1036-01

Date Collected: 12/07/11 12:30

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.3

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	PX RL1	3.07		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Benzene	0.997	PX	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Bromochloromethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Bromodichloromethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Bromoform	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Bromomethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
2-Butanone	ND	PX RL1	3.07		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Carbon disulfide	ND	PX RL1	0.307		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Carbon Tetrachloride	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Chlorobenzene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Chlorodibromomethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Chloroethane	ND	PX RL1	0.307		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Chloroform	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Chloromethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Cyclohexane	ND	PX RL1	0.615		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,2-Dibromo-3-chloropropane	ND	PX RL1	0.307		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,2-Dibromoethane (EDB)	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Methylcyclohexane	ND	PX RL1	0.615		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,2-Dichlorobenzene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,3-Dichlorobenzene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,4-Dichlorobenzene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Dichlorodifluoromethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,2-Dichloroethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,1-Dichloroethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,1-Dichloroethene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
trans-1,2-Dichloroethene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,1,2-Trifluorotrichloroethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
cis-1,2-Dichloroethene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,2-Dichloropropane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
trans-1,3-Dichloropropene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
cis-1,3-Dichloropropene	ND	PX	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Ethylbenzene	2.54	PX	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
2-Hexanone	ND	PX RL1	3.07		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Isopropylbenzene	0.741	PX	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Methyl Acetate	ND	PX	0.615		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Methyl tert-Butyl Ether	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Methylene Chloride	ND	PX RL1	0.615		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
4-Methyl-2-pentanone	ND	PX RL1	3.07		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Styrene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,1,2,2-Tetrachloroethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Tetrachloroethene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Toluene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,2,4-Trichlorobenzene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,2,3-Trichlorobenzene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,1,1-Trichloroethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
1,1,2-Trichloroethane	ND	PX RL1	0.307		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Trichloroethene	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Trichlorofluoromethane	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Vinyl chloride	ND	PX RL1	0.123		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0
Xylenes, total	1.63	PX	0.307		mg/kg dry	☼	12/08/11 12:15	12/08/11 18:18	50.0

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#2ESMI(120711)

Lab Sample ID: NVL1036-01

Date Collected: 12/07/11 12:30

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	89		70 - 130	12/08/11 12:15	12/08/11 18:18	50.0
Dibromofluoromethane	96		70 - 130	12/08/11 12:15	12/08/11 18:18	50.0
Toluene-d8	111		70 - 130	12/08/11 12:15	12/08/11 18:18	50.0
4-Bromofluorobenzene	110		70 - 130	12/08/11 12:15	12/08/11 18:18	50.0

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	1.86		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Acenaphthylene	ND		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Anthracene	0.803		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Benzo (a) anthracene	0.544		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Benzo (a) pyrene	0.445		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Benzo (b) fluoranthene	ND		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Benzo (g,h,i) perylene	ND		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Benzo (k) fluoranthene	ND		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
4-Bromophenyl phenyl ether	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Butyl benzyl phthalate	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Carbazole	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
4-Chloro-3-methylphenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
4-Chloroaniline	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Bis(2-chloroethoxy)methane	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Bis(2-chloroethyl)ether	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Bis(2-chloroisopropyl)ether	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2-Chloronaphthalene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2-Chlorophenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
4-Chlorophenyl phenyl ether	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Chrysene	0.542		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Dibenz (a,h) anthracene	1.26		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Dibenzofuran	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Di-n-butyl phthalate	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
1,4-Dichlorobenzene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
1,2-Dichlorobenzene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
1,3-Dichlorobenzene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
3,3-Dichlorobenzidine	ND		4.39		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2,4-Dichlorophenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Diethyl phthalate	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2,4-Dimethylphenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Dimethyl phthalate	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
4,6-Dinitro-2-methylphenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2,4-Dinitrophenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2,6-Dinitrotoluene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2,4-Dinitrotoluene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Di-n-octyl phthalate	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Bis(2-ethylhexyl)phthalate	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Fluoranthene	1.13		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Fluorene	1.34		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Hexachlorobenzene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Hexachlorobutadiene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Hexachlorocyclopentadiene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Hexachloroethane	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Indeno (1,2,3-cd) pyrene	1.18		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#2ESMI(120711)

Lab Sample ID: NVL1036-01

Date Collected: 12/07/11 12:30

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.3

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C - RE1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2-Methylnaphthalene	3.61	M8	0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2-Methylphenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
3/4-Methylphenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Naphthalene	4.08	M8	0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
3-Nitroaniline	ND		5.48		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2-Nitroaniline	ND		5.48		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
4-Nitroaniline	ND		5.48		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Nitrobenzene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
4-Nitrophenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2-Nitrophenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
N-Nitrosodiphenylamine	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
N-Nitrosodi-n-propylamine	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Pentachlorophenol	ND		5.48		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Phenanthrene	3.28		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Phenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
Pyrene	1.79		0.441		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
1,2,4-Trichlorobenzene	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2,4,6-Trichlorophenol	ND		2.19		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00
2,4,5-Trichlorophenol	ND		5.48		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:16	5.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	80		18 - 120	12/08/11 12:53	12/09/11 11:16	5.00
2,4,6-Tribromophenol	61		19 - 120	12/08/11 12:53	12/09/11 11:16	5.00
Phenol-d5	58		18 - 120	12/08/11 12:53	12/09/11 11:16	5.00
2-Fluorobiphenyl	73		14 - 120	12/08/11 12:53	12/09/11 11:16	5.00
2-Fluorophenol	71		17 - 120	12/08/11 12:53	12/09/11 11:16	5.00
Nitrobenzene-d5	78		17 - 120	12/08/11 12:53	12/09/11 11:16	5.00

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	40.6		6.53		mg/kg dry	☼	12/08/11 12:21	12/09/11 09:16	50.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	116		50 - 150	12/08/11 12:21	12/09/11 09:16	50.0

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	1410		130		mg/kg dry	☼	12/08/11 13:00	12/09/11 08:40	20.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl		Z3	50 - 150	12/08/11 13:00	12/09/11 08:40	20.0

Method: SW846 8082 - Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0438		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:02	1.00
PCB-1221	ND		0.0438		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:02	1.00
PCB-1232	ND		0.0438		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:02	1.00
PCB-1242	ND		0.0438		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:02	1.00
PCB-1248	ND		0.0438		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:02	1.00
PCB-1254	ND		0.0438		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:02	1.00
PCB-1260	ND		0.0438		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:02	1.00

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#2ESMI(120711)

Lab Sample ID: NVL1036-01

Date Collected: 12/07/11 12:30

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	72		19 - 147	12/08/11 12:45	12/08/11 23:02	1.00
Decachlorobiphenyl	96		20 - 150	12/08/11 12:45	12/08/11 23:02	1.00

Method: SW846 9056 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		12.9		mg/kg dry	☼	12/08/11 14:00	12/09/11 02:09	1.00

Method: SW846 6010B - Total Metals by EPA Method 6010B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	16000	MHA	25.3		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Antimony	ND		12.6		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Arsenic	8.75		1.26		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Barium	113		2.53		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Beryllium	ND		1.26		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Cadmium	ND		1.26		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Calcium	1450		126		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Chromium	16.2		1.26		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Cobalt	9.69		3.79		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Copper	49.5		2.53		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Iron	28500	MHA	12.6		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Lead	36.3		1.26		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Magnesium	3710		126		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Manganese	213		3.79		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Nickel	22.5		2.53		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Potassium	1650	M7	126		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Selenium	ND		2.53		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Silver	ND	M8	1.26		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Sodium	ND		253		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Sulfur	1870	MHA	63.2		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Thallium	ND		2.53		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Vanadium	23.4		12.6		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00
Zinc	69.8		12.6		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:08	1.00

Method: SW846 7471A - Mercury by EPA Methods 7470A/7471A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.13		mg/kg dry	☼	12/08/11 13:15	12/09/11 11:11	1.0

Method: ASTM D240 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
BTU Content	2500		200		BTU/Lb	—	12/09/11 14:42	12/09/11 16:15	1.00

Method: SW846 9012B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide	ND		2.66		mg/kg dry	☼	12/09/11 09:30	12/09/11 11:24	1.00

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#3ESMI(120711)

Lab Sample ID: NVL1036-02

Date Collected: 12/07/11 12:45

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.8

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND	PX RL1	3.09		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Benzene	0.603	PX	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Bromochloromethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Bromodichloromethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Bromoform	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Bromomethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
2-Butanone	ND	PX RL1	3.09		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Carbon disulfide	ND	RL1 PX	0.309		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Carbon Tetrachloride	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Chlorobenzene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Chlorodibromomethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Chloroethane	ND	PX RL1	0.309		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Chloroform	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Chloromethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Cyclohexane	ND	PX RL1	0.619		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,2-Dibromo-3-chloropropane	ND	PX RL1	0.309		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,2-Dibromoethane (EDB)	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Methylcyclohexane	ND	PX RL1	0.619		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,2-Dichlorobenzene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,3-Dichlorobenzene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,4-Dichlorobenzene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Dichlorodifluoromethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,2-Dichloroethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,1-Dichloroethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,1-Dichloroethene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
trans-1,2-Dichloroethene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,1,2-Trifluorotrichloroethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
cis-1,2-Dichloroethene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,2-Dichloropropane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
trans-1,3-Dichloropropene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
cis-1,3-Dichloropropene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Ethylbenzene	0.680	PX	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
2-Hexanone	ND	PX RL1	3.09		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Isopropylbenzene	0.643	PX	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Methyl Acetate	ND	PX	0.619		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Methyl tert-Butyl Ether	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Methylene Chloride	ND	PX RL1	0.619		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
4-Methyl-2-pentanone	ND	PX RL1	3.09		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Styrene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,1,2,2-Tetrachloroethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Tetrachloroethene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Toluene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,2,4-Trichlorobenzene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,2,3-Trichlorobenzene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,1,1-Trichloroethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
1,1,2-Trichloroethane	ND	PX RL1	0.309		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Trichloroethene	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Trichlorofluoromethane	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Vinyl chloride	ND	PX RL1	0.124		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0
Xylenes, total	0.668	PX	0.309		mg/kg dry	☼	12/08/11 12:19	12/08/11 18:48	50.0

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#3ESMI(120711)

Lab Sample ID: NVL1036-02

Date Collected: 12/07/11 12:45

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.8

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	84		70 - 130				12/08/11 12:19	12/08/11 18:48	50.0
Dibromofluoromethane	94		70 - 130				12/08/11 12:19	12/08/11 18:48	50.0
Toluene-d8	116		70 - 130				12/08/11 12:19	12/08/11 18:48	50.0
4-Bromofluorobenzene	108		70 - 130				12/08/11 12:19	12/08/11 18:48	50.0
Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C - RE1									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	4.23		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Acenaphthylene	0.696		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Anthracene	1.99		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Benzo (a) anthracene	1.34		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Benzo (a) pyrene	1.06		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Benzo (b) fluoranthene	0.663		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Benzo (g,h,i) perylene	0.631		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Benzo (k) fluoranthene	ND		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
4-Bromophenyl phenyl ether	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Butyl benzyl phthalate	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Carbazole	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
4-Chloro-3-methylphenol	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
4-Chloroaniline	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Bis(2-chloroethoxy)methane	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Bis(2-chloroethyl)ether	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Bis(2-chloroisopropyl)ether	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
2-Chloronaphthalene	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
2-Chlorophenol	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
4-Chlorophenyl phenyl ether	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Chrysene	1.15		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Dibenz (a,h) anthracene	1.31		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Dibenzofuran	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Di-n-butyl phthalate	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
1,4-Dichlorobenzene	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
1,2-Dichlorobenzene	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
1,3-Dichlorobenzene	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
3,3-Dichlorobenzidine	ND		4.35		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
2,4-Dichlorophenol	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Diethyl phthalate	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
2,4-Dimethylphenol	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Dimethyl phthalate	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
4,6-Dinitro-2-methylphenol	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
2,4-Dinitrophenol	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
2,6-Dinitrotoluene	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
2,4-Dinitrotoluene	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Di-n-octyl phthalate	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Bis(2-ethylhexyl)phthalate	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Fluoranthene	2.94		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Fluorene	2.93		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Hexachlorobenzene	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Hexachlorobutadiene	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Hexachlorocyclopentadiene	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Hexachloroethane	ND		2.17		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00
Indeno (1,2,3-cd) pyrene	1.36		0.437		mg/kg dry	☆	12/08/11 12:53	12/09/11 11:35	5.00

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#3ESMI(120711)

Lab Sample ID: NVL1036-02

Date Collected: 12/07/11 12:45

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.8

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C - RE1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
2-Methylnaphthalene	6.06		0.437		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
2-Methylphenol	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
3/4-Methylphenol	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
Naphthalene	17.8		0.437		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
3-Nitroaniline	ND		5.43		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
2-Nitroaniline	ND		5.43		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
4-Nitroaniline	ND		5.43		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
Nitrobenzene	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
4-Nitrophenol	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
2-Nitrophenol	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
N-Nitrosodiphenylamine	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
N-Nitrosodi-n-propylamine	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
Pentachlorophenol	ND		5.43		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
Phenanthrene	8.34		0.437		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
Phenol	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
Pyrene	4.39		0.437		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
1,2,4-Trichlorobenzene	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
2,4,6-Trichlorophenol	ND		2.17		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00
2,4,5-Trichlorophenol	ND		5.43		mg/kg dry	☼	12/08/11 12:53	12/09/11 11:35	5.00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	80		18 - 120	12/08/11 12:53	12/09/11 11:35	5.00
2,4,6-Tribromophenol	62		19 - 120	12/08/11 12:53	12/09/11 11:35	5.00
Phenol-d5	64		18 - 120	12/08/11 12:53	12/09/11 11:35	5.00
2-Fluorobiphenyl	74		14 - 120	12/08/11 12:53	12/09/11 11:35	5.00
2-Fluorophenol	71		17 - 120	12/08/11 12:53	12/09/11 11:35	5.00
Nitrobenzene-d5	75		17 - 120	12/08/11 12:53	12/09/11 11:35	5.00

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	34.9		6.39		mg/kg dry	☼	12/08/11 12:23	12/09/11 09:33	50.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	88		50 - 150	12/08/11 12:23	12/09/11 09:33	50.0

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	2230		130		mg/kg dry	☼	12/08/11 13:00	12/09/11 08:54	20.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl		Z3	50 - 150	12/08/11 13:00	12/09/11 08:54	20.0

Method: SW846 8082 - Polychlorinated Biphenyls by EPA Method 8082

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0433		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:24	1.00
PCB-1221	ND		0.0433		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:24	1.00
PCB-1232	ND		0.0433		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:24	1.00
PCB-1242	ND		0.0433		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:24	1.00
PCB-1248	ND		0.0433		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:24	1.00
PCB-1254	ND		0.0433		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:24	1.00
PCB-1260	ND		0.0433		mg/kg dry	☼	12/08/11 12:45	12/08/11 23:24	1.00

Client Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#3ESMI(120711)

Lab Sample ID: NVL1036-02

Date Collected: 12/07/11 12:45

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	64		19 - 147	12/08/11 12:45	12/08/11 23:24	1.00
Decachlorobiphenyl	86		20 - 150	12/08/11 12:45	12/08/11 23:24	1.00

Method: SW846 9056 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		13.1		mg/kg dry	☼	12/08/11 14:00	12/09/11 02:27	1.00

Method: SW846 6010B - Total Metals by EPA Method 6010B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13800		25.6		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Antimony	ND		12.8		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Arsenic	7.77		1.28		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Barium	92.6		2.56		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Beryllium	ND		1.28		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Cadmium	ND		1.28		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Calcium	1490		128		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Chromium	14.1		1.28		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Cobalt	9.44		3.84		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Copper	36.0		2.56		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Iron	28900		12.8		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Lead	81.7		1.28		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Magnesium	3440		128		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Manganese	235		3.84		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Nickel	21.5		2.56		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Potassium	702		128		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Selenium	ND		2.56		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Silver	ND		1.28		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Sodium	ND		256		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Sulfur	1740		63.9		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Thallium	ND		2.56		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Vanadium	18.2		12.8		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00
Zinc	71.4		12.8		mg/kg dry	☼	12/08/11 12:45	12/09/11 06:17	1.00

Method: SW846 7471A - Mercury by EPA Methods 7470A/7471A

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.13		mg/kg dry	☼	12/08/11 13:15	12/09/11 11:13	1.0

Method: ASTM D240 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
BTU Content	1680		200		BTU/Lb	—	12/09/11 14:42	12/09/11 16:15	1.00

Method: SW846 9012B - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide	ND		2.64		mg/kg dry	☼	12/09/11 09:30	12/09/11 11:26	1.00

Surrogate Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Matrix: Soil

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		chloroetha (70-130)	DBFM (70-130)	Toluene-d8 (70-130)	BFB (70-130)
11L1779-BLK1	Method Blank	97	100	116	107
11L1779-BLK2	Method Blank	95	99	114	108
11L1779-BS1	Lab Control Sample	102	102	110	106
11L1779-MS1	Matrix Spike	103	98	113	104
11L1779-MSD1	Matrix Spike Duplicate	102	100	112	105
NVL1036-01	S-WC#2ESMI(120711)	89	96	111	110
NVL1036-02	S-WC#3ESMI(120711)	84	94	116	108

Surrogate Legend

1,2-Dichloroethane-d4 = 1,2-Dichloroethane-d4
DBFM = Dibromofluoromethane
Toluene-d8 = Toluene-d8
BFB = 4-Bromofluorobenzene

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C

Matrix: Soil

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TPH (18-120)	TBP (19-120)	PHL (18-120)	FBP (14-120)	2FP (17-120)	NBZ (17-120)
11L2016-BLK1	Method Blank	93	77	74	75	76	71
11L2016-BS1	Lab Control Sample	81	67	57	63	60	55
11L2016-MS1	S-WC#2ESMI(120711)	76	55	64	50	69	59
11L2016-MSD1	S-WC#2ESMI(120711)	69	52	62	55	61	58
NVL1036-01 - RE1	S-WC#2ESMI(120711)	80	61	58	73	71	78
NVL1036-02 - RE1	S-WC#3ESMI(120711)	80	62	64	74	71	75

Surrogate Legend

TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol
PHL = Phenol-d5
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Matrix: Soil

Prep Type: Total

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		TFT (50-150)	
11L1997-BLK1	Method Blank	98	
11L1997-BLK2	Method Blank	98	
11L1997-BS1	Lab Control Sample	89	
11L1997-BS2	Lab Control Sample	81	
11L1997-BSD1	Lab Control Sample Dup	84	
11L1997-BSD2	Lab Control Sample Dup	88	
11L1997-MS1	S-WC#2ESMI(120711)	75	
11L1997-MSD1	S-WC#2ESMI(120711)	74	
NVL1036-01	S-WC#2ESMI(120711)	116	
NVL1036-02	S-WC#3ESMI(120711)	88	

Surrogate Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Surrogate Legend

TFT = a,a,a-Trifluorotoluene

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Matrix: Soil

Prep Type: Total

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTPH (50-150)
11L2017-BLK1	Method Blank	68
11L2017-BS1	Lab Control Sample	79
NVL1036-01	S-WC#2ESMI(120711)	Z3
NVL1036-02	S-WC#3ESMI(120711)	Z3

Surrogate Legend

OTPH = o-Terphenyl

Method: SW846 8082 - Polychlorinated Biphenyls by EPA Method 8082

Matrix: Soil

Prep Type: Total

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	chloro-meta- (19-147)	chlorobiphenyl (20-150)
11L2015-BLK1	Method Blank	90	96
11L2015-BS1	Lab Control Sample	94	108
11L2015-MS1	S-WC#2ESMI(120711)	68	92
11L2015-MSD1	S-WC#2ESMI(120711)	70	94
NVL1036-01	S-WC#2ESMI(120711)	72	96
NVL1036-02	S-WC#3ESMI(120711)	64	86

Surrogate Legend

Tetrachloro-meta-xylene = Tetrachloro-meta-xylene

Decachlorobiphenyl = Decachlorobiphenyl

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C

Matrix: Soil

Prep Type: Total

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TPH	TBP	PHL	FBP	2FP	NBZ
NVL1036-01	S-WC#2ESMI(120711)						

Surrogate Legend

TPH = Terphenyl-d14

TBP = 2,4,6-Tribromophenol

PHL = Phenol-d5

FBP = 2-Fluorobiphenyl

2FP = 2-Fluorophenol

NBZ = Nitrobenzene-d5

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11L1779-BLK1

Matrix: Soil

Analysis Batch: U021619

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1779_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		0.0500		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Benzene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Bromochloromethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Bromodichloromethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Bromoform	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Bromomethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
2-Butanone	ND		0.0500		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Carbon disulfide	ND		0.00500		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Carbon Tetrachloride	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Chlorobenzene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Chlorodibromomethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Chloroethane	ND		0.00500		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Chloroform	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Chloromethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Cyclohexane	ND		0.0100		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,2-Dibromo-3-chloropropane	ND		0.00500		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,2-Dibromoethane (EDB)	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Methylcyclohexane	ND		0.0100		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,2-Dichlorobenzene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,3-Dichlorobenzene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,4-Dichlorobenzene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Dichlorodifluoromethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,2-Dichloroethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,1-Dichloroethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,1-Dichloroethene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
trans-1,2-Dichloroethene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,1,2-Trifluorotrichloroethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
cis-1,2-Dichloroethene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,2-Dichloropropane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
trans-1,3-Dichloropropene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
cis-1,3-Dichloropropene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Ethylbenzene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
2-Hexanone	ND		0.0500		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Isopropylbenzene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Methyl Acetate	ND		0.0100		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Methyl tert-Butyl Ether	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Methylene Chloride	ND		0.0100		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
4-Methyl-2-pentanone	ND		0.0500		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Styrene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,1,2,2-Tetrachloroethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Tetrachloroethene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Toluene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,2,4-Trichlorobenzene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,2,3-Trichlorobenzene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,1,1-Trichloroethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
1,1,2-Trichloroethane	ND		0.00500		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Trichloroethene	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Trichlorofluoromethane	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Vinyl chloride	ND		0.00200		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L1779-BLK1

Matrix: Soil

Analysis Batch: U021619

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1779_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, total	ND		0.00500		mg/kg wet		12/07/11 16:28	12/08/11 13:32	1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	97		70 - 130				12/07/11 16:28	12/08/11 13:32	1.00
Dibromofluoromethane	100		70 - 130				12/07/11 16:28	12/08/11 13:32	1.00
Toluene-d8	116		70 - 130				12/07/11 16:28	12/08/11 13:32	1.00
4-Bromofluorobenzene	107		70 - 130				12/07/11 16:28	12/08/11 13:32	1.00

Lab Sample ID: 11L1779-BLK2

Matrix: Soil

Analysis Batch: U021619

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1779_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		2.50		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Benzene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Bromochloromethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Bromodichloromethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Bromoform	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Bromomethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
2-Butanone	ND		2.50		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Carbon disulfide	ND		0.250		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Carbon Tetrachloride	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Chlorobenzene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Chlorodibromomethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Chloroethane	ND		0.250		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Chloroform	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Chloromethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Cyclohexane	ND		0.500		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,2-Dibromo-3-chloropropane	ND		0.250		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,2-Dibromoethane (EDB)	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Methylcyclohexane	ND		0.500		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,2-Dichlorobenzene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,3-Dichlorobenzene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,4-Dichlorobenzene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Dichlorodifluoromethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,2-Dichloroethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,1-Dichloroethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,1-Dichloroethene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
trans-1,2-Dichloroethene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,1,2-Trifluoroethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
cis-1,2-Dichloroethene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,2-Dichloropropane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
trans-1,3-Dichloropropene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
cis-1,3-Dichloropropene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Ethylbenzene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
2-Hexanone	ND		2.50		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Isopropylbenzene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Methyl Acetate	ND		0.500		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Methyl tert-Butyl Ether	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L1779-BLK2

Matrix: Soil

Analysis Batch: U021619

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1779_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		0.500		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
4-Methyl-2-pentanone	ND		2.50		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Styrene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,1,2,2-Tetrachloroethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Tetrachloroethene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Toluene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,2,4-Trichlorobenzene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,2,3-Trichlorobenzene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,1,1-Trichloroethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
1,1,2-Trichloroethane	ND		0.250		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Trichloroethene	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Trichlorofluoromethane	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Vinyl chloride	ND		0.100		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0
Xylenes, total	ND		0.250		mg/kg wet		12/07/11 16:28	12/08/11 14:43	50.0

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4	95		70 - 130	12/07/11 16:28	12/08/11 14:43	50.0
Dibromofluoromethane	99		70 - 130	12/07/11 16:28	12/08/11 14:43	50.0
Toluene-d8	114		70 - 130	12/07/11 16:28	12/08/11 14:43	50.0
4-Bromofluorobenzene	108		70 - 130	12/07/11 16:28	12/08/11 14:43	50.0

Lab Sample ID: 11L1779-BS1

Matrix: Soil

Analysis Batch: U021619

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1779_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	250	237		ug/kg		95	51 - 149
Benzene	50.0	52.8		ug/kg		106	75 - 127
Bromochloromethane	50.0	50.9		ug/kg		102	70 - 132
Bromodichloromethane	50.0	50.7		ug/kg		101	68 - 135
Bromoform	50.0	47.8		ug/kg		96	36 - 150
Bromomethane	50.0	62.5		ug/kg		125	43 - 142
2-Butanone	250	242		ug/kg		97	61 - 132
Carbon disulfide	50.0	55.9		ug/kg		112	74 - 135
Carbon Tetrachloride	50.0	53.3		ug/kg		107	70 - 141
Chlorobenzene	50.0	50.2		ug/kg		100	84 - 125
Chlorodibromomethane	50.0	52.8		ug/kg		106	66 - 134
Chloroethane	50.0	53.9		ug/kg		108	53 - 144
Chloroform	50.0	47.6		ug/kg		95	76 - 130
Chloromethane	50.0	44.2		ug/kg		88	23 - 150
Cyclohexane	50.0	65.3		ug/kg		131	70 - 133
1,2-Dibromo-3-chloropropane	50.0	45.7		ug/kg		91	49 - 142
1,2-Dibromoethane (EDB)	50.0	47.5		ug/kg		95	80 - 135
Methylcyclohexane	50.0	56.1		ug/kg		112	69 - 140
1,2-Dichlorobenzene	50.0	55.3		ug/kg		111	80 - 134
1,3-Dichlorobenzene	50.0	56.4		ug/kg		113	79 - 137
1,4-Dichlorobenzene	50.0	55.2		ug/kg		110	77 - 139
Dichlorodifluoromethane	50.0	35.4		ug/kg		71	12 - 144
1,2-Dichloroethane	50.0	49.2		ug/kg		98	65 - 134

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11L1779-BS1

Matrix: Soil

Analysis Batch: U021619

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1779_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	50.0	57.4		ug/kg		115	75 - 124
1,1-Dichloroethene	50.0	52.6		ug/kg		105	75 - 131
trans-1,2-Dichloroethene	50.0	58.7		ug/kg		117	76 - 128
1,1,2-Trifluorotrichloroethane	50.0	53.9		ug/kg		108	67 - 136
cis-1,2-Dichloroethene	50.0	55.3		ug/kg		111	75 - 125
1,2-Dichloropropane	50.0	52.8		ug/kg		106	69 - 120
trans-1,3-Dichloropropene	50.0	49.4		ug/kg		99	62 - 139
cis-1,3-Dichloropropene	50.0	64.2		ug/kg		128	73 - 148
Ethylbenzene	50.0	51.0		ug/kg		102	80 - 134
2-Hexanone	250	240		ug/kg		96	57 - 148
Isopropylbenzene	50.0	59.6		ug/kg		119	80 - 150
Methyl Acetate	50.0	65.0		ug/kg		130	11 - 170
Methyl tert-Butyl Ether	50.0	52.0		ug/kg		104	70 - 136
Methylene Chloride	50.0	58.8		ug/kg		118	68 - 144
4-Methyl-2-pentanone	250	281		ug/kg		112	59 - 138
Styrene	50.0	55.8		ug/kg		112	82 - 137
1,1,2,2-Tetrachloroethane	50.0	46.3		ug/kg		93	66 - 134
Tetrachloroethene	50.0	42.6		ug/kg		85	78 - 140
Toluene	50.0	54.3		ug/kg		109	80 - 132
1,2,4-Trichlorobenzene	50.0	55.9		ug/kg		112	62 - 150
1,2,3-Trichlorobenzene	50.0	51.3		ug/kg		103	70 - 150
1,1,1-Trichloroethane	50.0	49.7		ug/kg		99	72 - 140
1,1,2-Trichloroethane	50.0	43.0		ug/kg		86	78 - 128
Trichloroethene	50.0	52.2		ug/kg		104	77 - 127
Trichlorofluoromethane	50.0	43.9		ug/kg		88	50 - 140
Vinyl chloride	50.0	49.2		ug/kg		98	47 - 136
Xylenes, total	150	153		ug/kg		102	80 - 137

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4	102		70 - 130
Dibromofluoromethane	102		70 - 130
Toluene-d8	110		70 - 130
4-Bromofluorobenzene	106		70 - 130

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C

Lab Sample ID: 11L2016-BLK1

Matrix: Soil

Analysis Batch: 11L2016

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2016_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Acenaphthylene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Anthracene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Benzo (a) anthracene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Benzo (a) pyrene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Benzo (b) fluoranthene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Benzo (g,h,i) perylene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Benzo (k) fluoranthene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L2016-BLK1

Matrix: Soil

Analysis Batch: 11L2016

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2016_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Butyl benzyl phthalate	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Carbazole	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
4-Chloro-3-methylphenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
4-Chloroaniline	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Bis(2-chloroethoxy)methane	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Bis(2-chloroethyl)ether	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Bis(2-chloroisopropyl)ether	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2-Chloronaphthalene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2-Chlorophenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
4-Chlorophenyl phenyl ether	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Chrysene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Dibenz (a,h) anthracene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Dibenzofuran	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Di-n-butyl phthalate	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
1,4-Dichlorobenzene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
1,2-Dichlorobenzene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
1,3-Dichlorobenzene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
3,3-Dichlorobenzidine	ND		0.667		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2,4-Dichlorophenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Diethyl phthalate	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2,4-Dimethylphenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Dimethyl phthalate	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
4,6-Dinitro-2-methylphenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2,4-Dinitrophenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2,6-Dinitrotoluene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2,4-Dinitrotoluene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Di-n-octyl phthalate	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Bis(2-ethylhexyl)phthalate	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Fluoranthene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Fluorene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Hexachlorobenzene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Hexachlorobutadiene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Hexachlorocyclopentadiene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Hexachloroethane	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Isophorone	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2-Methylnaphthalene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2-Methylphenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
3/4-Methylphenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Naphthalene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
3-Nitroaniline	ND		0.833		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2-Nitroaniline	ND		0.833		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
4-Nitroaniline	ND		0.833		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Nitrobenzene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
4-Nitrophenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2-Nitrophenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
N-Nitrosodiphenylamine	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
N-Nitrosodi-n-propylamine	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Pentachlorophenol	ND		0.833		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L2016-BLK1

Matrix: Soil

Analysis Batch: 11L2016

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2016_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Phenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
Pyrene	ND		0.0670		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
1,2,4-Trichlorobenzene	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2,4,6-Trichlorophenol	ND		0.333		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00
2,4,5-Trichlorophenol	ND		0.833		mg/kg wet		12/08/11 12:53	12/08/11 18:27	1.00

Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	93		18 - 120	12/08/11 12:53	12/08/11 18:27	1.00
2,4,6-Tribromophenol	77		19 - 120	12/08/11 12:53	12/08/11 18:27	1.00
Phenol-d5	74		18 - 120	12/08/11 12:53	12/08/11 18:27	1.00
2-Fluorobiphenyl	75		14 - 120	12/08/11 12:53	12/08/11 18:27	1.00
2-Fluorophenol	76		17 - 120	12/08/11 12:53	12/08/11 18:27	1.00
Nitrobenzene-d5	71		17 - 120	12/08/11 12:53	12/08/11 18:27	1.00

Lab Sample ID: 11L2016-BS1

Matrix: Soil

Analysis Batch: 11L2016

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L2016_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.67	1.26		mg/kg wet		76	36 - 120
Acenaphthylene	1.67	1.18		mg/kg wet		71	38 - 120
Anthracene	1.67	1.34		mg/kg wet		80	46 - 124
Benzo (a) anthracene	1.67	1.40		mg/kg wet		84	45 - 120
Benzo (a) pyrene	1.67	1.41		mg/kg wet		84	45 - 120
Benzo (b) fluoranthene	1.67	1.28		mg/kg wet		77	42 - 120
Benzo (g,h,i) perylene	1.67	1.40		mg/kg wet		84	38 - 120
Benzo (k) fluoranthene	1.67	1.33		mg/kg wet		80	42 - 120
4-Bromophenyl phenyl ether	1.67	1.44		mg/kg wet		87	40 - 120
Butyl benzyl phthalate	1.67	1.30		mg/kg wet		78	43 - 133
Carbazole	1.67	1.41		mg/kg wet		85	44 - 120
4-Chloro-3-methylphenol	1.67	1.12		mg/kg wet		67	38 - 120
4-Chloroaniline	1.67	1.17		mg/kg wet		70	35 - 120
Bis(2-chloroethoxy)methane	1.67	1.08		mg/kg wet		65	32 - 120
Bis(2-chloroethyl)ether	1.67	1.13		mg/kg wet		68	31 - 120
Bis(2-chloroisopropyl)ether	1.67	1.12		mg/kg wet		67	32 - 120
2-Chloronaphthalene	1.67	1.06		mg/kg wet		64	34 - 120
2-Chlorophenol	1.67	1.12		mg/kg wet		67	32 - 120
4-Chlorophenyl phenyl ether	1.67	1.32		mg/kg wet		79	42 - 120
Chrysene	1.67	1.35		mg/kg wet		81	43 - 120
Dibenz (a,h) anthracene	1.67	1.10		mg/kg wet		66	32 - 128
Dibenzofuran	1.67	1.37		mg/kg wet		82	41 - 120
Di-n-butyl phthalate	1.67	1.30		mg/kg wet		78	46 - 127
1,4-Dichlorobenzene	1.67	0.966		mg/kg wet		58	32 - 120
1,2-Dichlorobenzene	1.67	0.994		mg/kg wet		60	33 - 120
1,3-Dichlorobenzene	1.67	0.969		mg/kg wet		58	32 - 120
3,3-Dichlorobenzidine	1.67	1.35		mg/kg wet		81	39 - 120
2,4-Dichlorophenol	1.67	1.04		mg/kg wet		63	32 - 120
Diethyl phthalate	1.67	1.30		mg/kg wet		78	41 - 122

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L2016-BS1

Matrix: Soil

Analysis Batch: 11L2016

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L2016_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	1.67	1.17		mg/kg wet		70	32 - 120
Dimethyl phthalate	1.67	1.32		mg/kg wet		79	55 - 120
4,6-Dinitro-2-methylphenol	1.67	1.48		mg/kg wet		89	27 - 134
2,4-Dinitrophenol	1.67	1.43		mg/kg wet		86	23 - 142
2,6-Dinitrotoluene	1.67	1.21		mg/kg wet		73	43 - 120
2,4-Dinitrotoluene	1.67	1.18		mg/kg wet		71	43 - 120
Di-n-octyl phthalate	1.67	1.09		mg/kg wet		66	40 - 130
Bis(2-ethylhexyl)phthalate	1.67	1.19		mg/kg wet		72	43 - 120
Fluoranthene	1.67	1.46		mg/kg wet		87	46 - 120
Fluorene	1.67	1.34		mg/kg wet		81	42 - 120
Hexachlorobenzene	1.67	1.43		mg/kg wet		86	44 - 120
Hexachlorobutadiene	1.67	1.21		mg/kg wet		73	31 - 120
Hexachlorocyclopentadiene	1.67	0.739		mg/kg wet		44	24 - 120
Hexachloroethane	1.67	1.08		mg/kg wet		65	33 - 120
Indeno (1,2,3-cd) pyrene	1.67	1.17		mg/kg wet		70	41 - 121
Isophorone	1.67	0.989		mg/kg wet		59	33 - 120
2-Methylnaphthalene	1.67	1.12		mg/kg wet		67	28 - 120
2-Methylphenol	1.67	1.00		mg/kg wet		60	36 - 120
3/4-Methylphenol	1.67	0.944		mg/kg wet		57	37 - 120
Naphthalene	1.67	1.26		mg/kg wet		76	32 - 120
3-Nitroaniline	1.67	1.34		mg/kg wet		81	42 - 120
2-Nitroaniline	1.67	1.27		mg/kg wet		76	40 - 120
4-Nitroaniline	1.67	1.35		mg/kg wet		81	43 - 120
Nitrobenzene	1.67	0.907		mg/kg wet		54	26 - 120
4-Nitrophenol	1.67	1.24		mg/kg wet		75	32 - 136
2-Nitrophenol	1.67	1.04		mg/kg wet		63	29 - 120
N-Nitrosodiphenylamine	1.67	1.69		mg/kg wet		102	52 - 140
N-Nitrosodi-n-propylamine	1.67	1.05		mg/kg wet		63	35 - 120
Pentachlorophenol	1.67	1.64		mg/kg wet		98	44 - 134
Phenanthrene	1.67	1.36		mg/kg wet		82	45 - 120
Phenol	1.67	1.13		mg/kg wet		68	30 - 120
Pyrene	1.67	1.35		mg/kg wet		81	43 - 120
1,2,4-Trichlorobenzene	1.67	0.968		mg/kg wet		58	29 - 120
2,4,6-Trichlorophenol	1.67	1.35		mg/kg wet		81	39 - 120
2,4,5-Trichlorophenol	1.67	1.11		mg/kg wet		67	39 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Terphenyl-d14	81		18 - 120
2,4,6-Tribromophenol	67		19 - 120
Phenol-d5	57		18 - 120
2-Fluorobiphenyl	63		14 - 120
2-Fluorophenol	60		17 - 120
Nitrobenzene-d5	55		17 - 120

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L2016-MS1

Matrix: Soil

Analysis Batch: 11L2016

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2016_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	Limits
Acenaphthene	2.00		2.20	3.65		mg/kg dry	☼	75	19 - 120
Acenaphthylene	0.265		2.20	1.63		mg/kg dry	☼	62	25 - 120
Anthracene	0.948		2.20	2.67		mg/kg dry	☼	78	28 - 125
Benzo (a) anthracene	0.594		2.20	2.35		mg/kg dry	☼	80	23 - 120
Benzo (a) pyrene	0.458		2.20	2.35		mg/kg dry	☼	86	15 - 128
Benzo (b) fluoranthene	0.467		2.20	2.55		mg/kg dry	☼	95	12 - 133
Benzo (g,h,i) perylene	0.176		2.20	1.62		mg/kg dry	☼	66	22 - 120
Benzo (k) fluoranthene	0.504		2.20	1.75		mg/kg dry	☼	57	28 - 120
4-Bromophenyl phenyl ether	ND		2.20	1.70		mg/kg dry	☼	77	31 - 120
Butyl benzyl phthalate	ND		2.20	1.59		mg/kg dry	☼	73	24 - 133
Carbazole	ND		2.20	1.97		mg/kg dry	☼	90	25 - 123
4-Chloro-3-methylphenol	ND		2.20	1.76		mg/kg dry	☼	80	21 - 120
4-Chloroaniline	ND		2.20	1.95		mg/kg dry	☼	89	26 - 120
Bis(2-chloroethoxy)methane	ND		2.20	1.58		mg/kg dry	☼	72	24 - 120
Bis(2-chloroethyl)ether	ND		2.20	1.67		mg/kg dry	☼	76	22 - 120
Bis(2-chloroisopropyl)ether	ND		2.20	1.73		mg/kg dry	☼	79	20 - 120
2-Chloronaphthalene	ND		2.20	1.36		mg/kg dry	☼	62	24 - 120
2-Chlorophenol	ND		2.20	1.68		mg/kg dry	☼	76	25 - 120
4-Chlorophenyl phenyl ether	ND		2.20	2.24		mg/kg dry	☼	102	26 - 120
Chrysene	0.554		2.20	2.12		mg/kg dry	☼	71	20 - 120
Dibenz (a,h) anthracene	0.282		2.20	1.48		mg/kg dry	☼	54	12 - 128
Dibenzofuran	0.241		2.20	2.07		mg/kg dry	☼	83	21 - 120
Di-n-butyl phthalate	ND		2.20	1.89		mg/kg dry	☼	86	29 - 126
1,4-Dichlorobenzene	ND		2.20	1.46		mg/kg dry	☼	66	10 - 120
1,2-Dichlorobenzene	ND		2.20	1.60		mg/kg dry	☼	73	10 - 120
1,3-Dichlorobenzene	ND		2.20	1.45		mg/kg dry	☼	66	10 - 120
3,3-Dichlorobenzidine	ND		2.20	2.08		mg/kg dry	☼	95	10 - 120
2,4-Dichlorophenol	ND		2.20	1.48		mg/kg dry	☼	67	17 - 120
Diethyl phthalate	ND		2.20	1.70		mg/kg dry	☼	77	29 - 122
2,4-Dimethylphenol	ND		2.20	1.66		mg/kg dry	☼	76	17 - 120
Dimethyl phthalate	ND		2.20	1.72		mg/kg dry	☼	78	30 - 120
4,6-Dinitro-2-methylphenol	ND		2.20	0.825		mg/kg dry	☼	37	10 - 134
2,4-Dinitrophenol	ND		2.20	0.644		mg/kg dry	☼	29	10 - 150
2,6-Dinitrotoluene	ND		2.20	1.48		mg/kg dry	☼	68	24 - 120
2,4-Dinitrotoluene	ND		2.20	1.99		mg/kg dry	☼	91	24 - 121
Di-n-octyl phthalate	ND		2.20	1.55		mg/kg dry	☼	70	27 - 130
Bis(2-ethylhexyl)phthalate	ND		2.20	1.50		mg/kg dry	☼	68	26 - 120
Fluoranthene	1.34		2.20	3.08		mg/kg dry	☼	79	10 - 143
Fluorene	1.53		2.20	3.42		mg/kg dry	☼	86	20 - 120
Hexachlorobenzene	ND		2.20	1.79		mg/kg dry	☼	81	25 - 120
Hexachlorobutadiene	ND		2.20	1.83		mg/kg dry	☼	83	10 - 120
Hexachlorocyclopentadiene	ND		2.20	0.911		mg/kg dry	☼	41	10 - 120
Hexachloroethane	0.239		2.20	1.83		mg/kg dry	☼	72	10 - 120
Indeno (1,2,3-cd) pyrene	0.296		2.20	1.52		mg/kg dry	☼	56	22 - 121
Isophorone	ND		2.20	1.31		mg/kg dry	☼	60	24 - 120
2-Methylnaphthalene	5.46		2.20	5.42	M8	mg/kg dry	☼	-2	13 - 120
2-Methylphenol	ND		2.20	1.51		mg/kg dry	☼	69	23 - 120
3/4-Methylphenol	ND		2.20	1.37		mg/kg dry	☼	62	19 - 120
Naphthalene	4.71		2.20	4.71	M8	mg/kg dry	☼	0.03	10 - 120

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L2016-MS1

Matrix: Soil

Analysis Batch: 11L2016

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2016_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
3-Nitroaniline	ND		2.20	1.87		mg/kg dry	☼	85	31 - 120
2-Nitroaniline	ND		2.20	1.50		mg/kg dry	☼	68	31 - 120
4-Nitroaniline	ND		2.20	1.70		mg/kg dry	☼	77	28 - 120
Nitrobenzene	0.237		2.20	1.32		mg/kg dry	☼	49	19 - 120
4-Nitrophenol	0.811		2.20	2.36		mg/kg dry	☼	70	16 - 139
2-Nitrophenol	ND		2.20	1.37		mg/kg dry	☼	62	23 - 120
N-Nitrosodiphenylamine	0.245		2.20	2.10		mg/kg dry	☼	84	26 - 150
N-Nitrosodi-n-propylamine	ND		2.20	1.41		mg/kg dry	☼	64	24 - 120
Pentachlorophenol	ND		2.20	1.88		mg/kg dry	☼	85	19 - 145
Phenanthrene	3.43		2.20	4.47		mg/kg dry	☼	47	21 - 122
Phenol	ND		2.20	1.57		mg/kg dry	☼	71	15 - 120
Pyrene	2.29		2.20	3.19		mg/kg dry	☼	41	20 - 123
1,2,4-Trichlorobenzene	ND		2.20	1.39		mg/kg dry	☼	63	14 - 120
2,4,6-Trichlorophenol	ND		2.20	1.73		mg/kg dry	☼	78	24 - 122
2,4,5-Trichlorophenol	ND		2.20	1.50		mg/kg dry	☼	68	27 - 120

Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits
Terphenyl-d14	76		18 - 120
2,4,6-Tribromophenol	55		19 - 120
Phenol-d5	64		18 - 120
2-Fluorobiphenyl	50		14 - 120
2-Fluorophenol	69		17 - 120
Nitrobenzene-d5	59		17 - 120

Lab Sample ID: 11L2016-MSD1

Matrix: Soil

Analysis Batch: 11L2016

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2016_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Acenaphthene	2.00		2.20	3.47		mg/kg dry	☼	67	19 - 120	5	50
Acenaphthylene	0.265		2.20	1.87		mg/kg dry	☼	73	25 - 120	14	50
Anthracene	0.948		2.20	2.96		mg/kg dry	☼	91	28 - 125	10	49
Benzo (a) anthracene	0.594		2.20	2.61		mg/kg dry	☼	92	23 - 120	10	50
Benzo (a) pyrene	0.458		2.20	2.69		mg/kg dry	☼	102	15 - 128	13	50
Benzo (b) fluoranthene	0.467		2.20	2.45		mg/kg dry	☼	90	12 - 133	4	50
Benzo (g,h,i) perylene	0.176		2.20	1.85		mg/kg dry	☼	76	22 - 120	13	50
Benzo (k) fluoranthene	0.504		2.20	2.20		mg/kg dry	☼	77	28 - 120	23	45
4-Bromophenyl phenyl ether	ND		2.20	1.81		mg/kg dry	☼	82	31 - 120	6	37
Butyl benzyl phthalate	ND		2.20	1.53		mg/kg dry	☼	70	24 - 133	4	50
Carbazole	ND		2.20	2.07		mg/kg dry	☼	94	25 - 123	5	46
4-Chloro-3-methylphenol	ND		2.20	1.67		mg/kg dry	☼	76	21 - 120	5	49
4-Chloroaniline	ND		2.20	1.96		mg/kg dry	☼	89	26 - 120	0.6	50
Bis(2-chloroethoxy)methane	ND		2.20	1.68		mg/kg dry	☼	77	24 - 120	7	50
Bis(2-chloroethyl)ether	ND		2.20	1.72		mg/kg dry	☼	78	22 - 120	3	50
Bis(2-chloroisopropyl)ether	ND		2.20	1.71		mg/kg dry	☼	78	20 - 120	1	50
2-Chloronaphthalene	ND		2.20	1.49		mg/kg dry	☼	68	24 - 120	9	50
2-Chlorophenol	ND		2.20	1.75		mg/kg dry	☼	79	25 - 120	4	50
4-Chlorophenyl phenyl ether	ND		2.20	2.44		mg/kg dry	☼	111	26 - 120	9	50
Chrysene	0.554		2.20	2.24		mg/kg dry	☼	77	20 - 120	5	49

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L2016-MSD1

Matrix: Soil

Analysis Batch: 11L2016

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2016_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenz (a,h) anthracene	0.282		2.20	1.61		mg/kg dry	✱	60	12 - 128	9	50
Dibenzofuran	0.241		2.20	2.17		mg/kg dry	✱	88	21 - 120	5	50
Di-n-butyl phthalate	ND		2.20	1.96		mg/kg dry	✱	89	29 - 126	4	49
1,4-Dichlorobenzene	ND		2.20	1.51		mg/kg dry	✱	69	10 - 120	4	50
1,2-Dichlorobenzene	ND		2.20	1.59		mg/kg dry	✱	72	10 - 120	0.5	50
1,3-Dichlorobenzene	ND		2.20	1.47		mg/kg dry	✱	67	10 - 120	1	50
3,3-Dichlorobenzidine	ND		2.20	2.24		mg/kg dry	✱	102	10 - 120	7	50
2,4-Dichlorophenol	ND		2.20	1.52		mg/kg dry	✱	69	17 - 120	3	50
Diethyl phthalate	ND		2.20	1.79		mg/kg dry	✱	81	29 - 122	5	45
2,4-Dimethylphenol	ND		2.20	1.73		mg/kg dry	✱	78	17 - 120	4	50
Dimethyl phthalate	ND		2.20	1.73		mg/kg dry	✱	78	30 - 120	0.5	46
4,6-Dinitro-2-methylphenol	ND		2.20	0.950		mg/kg dry	✱	43	10 - 134	14	50
2,4-Dinitrophenol	ND		2.20	0.627		mg/kg dry	✱	29	10 - 150	3	50
2,6-Dinitrotoluene	ND		2.20	1.68		mg/kg dry	✱	76	24 - 120	12	50
2,4-Dinitrotoluene	ND		2.20	1.84		mg/kg dry	✱	84	24 - 121	8	50
Di-n-octyl phthalate	ND		2.20	1.56		mg/kg dry	✱	71	27 - 130	0.4	50
Bis(2-ethylhexyl)phthalate	ND		2.20	1.60		mg/kg dry	✱	73	26 - 120	6	50
Fluoranthene	1.34		2.20	3.64		mg/kg dry	✱	104	10 - 143	17	50
Fluorene	1.53		2.20	3.53		mg/kg dry	✱	91	20 - 120	3	50
Hexachlorobenzene	ND		2.20	1.88		mg/kg dry	✱	85	25 - 120	5	50
Hexachlorobutadiene	ND		2.20	1.84		mg/kg dry	✱	84	10 - 120	0.9	50
Hexachlorocyclopentadiene	ND		2.20	0.963		mg/kg dry	✱	44	10 - 120	6	50
Hexachloroethane	0.239		2.20	1.83		mg/kg dry	✱	73	10 - 120	0.2	50
Indeno (1,2,3-cd) pyrene	0.296		2.20	1.68		mg/kg dry	✱	63	22 - 121	10	50
Isophorone	ND		2.20	1.35		mg/kg dry	✱	61	24 - 120	3	50
2-Methylnaphthalene	5.46		2.20	4.59	M8	mg/kg dry	✱	-40	13 - 120	17	50
2-Methylphenol	ND		2.20	1.57		mg/kg dry	✱	71	23 - 120	4	50
3/4-Methylphenol	ND		2.20	1.42		mg/kg dry	✱	64	19 - 120	3	50
Naphthalene	4.71		2.20	5.18		mg/kg dry	✱	22	10 - 120	10	50
3-Nitroaniline	ND		2.20	1.92		mg/kg dry	✱	87	31 - 120	3	49
2-Nitroaniline	ND		2.20	1.86		mg/kg dry	✱	85	31 - 120	21	50
4-Nitroaniline	ND		2.20	1.64		mg/kg dry	✱	74	28 - 120	4	49
Nitrobenzene	0.237		2.20	1.41		mg/kg dry	✱	53	19 - 120	6	50
4-Nitrophenol	0.811		2.20	2.17		mg/kg dry	✱	62	16 - 139	8	45
2-Nitrophenol	ND		2.20	1.50		mg/kg dry	✱	68	23 - 120	9	50
N-Nitrosodiphenylamine	0.245		2.20	2.28		mg/kg dry	✱	92	26 - 150	8	50
N-Nitrosodi-n-propylamine	ND		2.20	1.49		mg/kg dry	✱	68	24 - 120	6	50
Pentachlorophenol	ND		2.20	2.14		mg/kg dry	✱	97	19 - 145	13	50
Phenanthrene	3.43		2.20	5.20		mg/kg dry	✱	81	21 - 122	15	50
Phenol	ND		2.20	1.62		mg/kg dry	✱	73	15 - 120	3	50
Pyrene	2.29		2.20	3.44		mg/kg dry	✱	53	20 - 123	7	50
1,2,4-Trichlorobenzene	ND		2.20	1.42		mg/kg dry	✱	65	14 - 120	2	50
2,4,6-Trichlorophenol	ND		2.20	2.02		mg/kg dry	✱	92	24 - 122	16	50
2,4,5-Trichlorophenol	ND		2.20	1.82		mg/kg dry	✱	83	27 - 120	19	50

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits
Terphenyl-d14	69		18 - 120
2,4,6-Tribromophenol	52		19 - 120
Phenol-d5	62		18 - 120

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8270C - Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Lab Sample ID: 11L2016-MSD1

Matrix: Soil

Analysis Batch: 11L2016

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2016_P

Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits
2-Fluorobiphenyl	55		14 - 120
2-Fluorophenol	61		17 - 120
Nitrobenzene-d5	58		17 - 120

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Lab Sample ID: 11L1997-BLK1

Matrix: Soil

Analysis Batch: U021584

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1997_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		5.00		mg/kg wet		12/08/11 11:40	12/09/11 01:10	50.0
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150				12/08/11 11:40	12/09/11 01:10	50.0

Lab Sample ID: 11L1997-BLK2

Matrix: Soil

Analysis Batch: U021584

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1997_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		5.00		mg/kg wet		12/08/11 11:40	12/09/11 01:27	50.0
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	98		50 - 150				12/08/11 11:40	12/09/11 01:27	50.0

Lab Sample ID: 11L1997-BS1

Matrix: Soil

Analysis Batch: U021584

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1997_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO as Gasoline	10.0	9.79		mg/kg wet		98	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	89		50 - 150				

Lab Sample ID: 11L1997-BS2

Matrix: Soil

Analysis Batch: U021584

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1997_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO as Gasoline	10.0	9.60		mg/kg wet		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
a,a,a-Trifluorotoluene	81		50 - 150				

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11L1997-BSD1

Matrix: Soil

Analysis Batch: U021584

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11L1997_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO as Gasoline	10.0	9.82		mg/kg wet		98	70 - 130	0.3	23
Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits						
a,a,a-Trifluorotoluene	84		50 - 150						

Lab Sample ID: 11L1997-BSD2

Matrix: Soil

Analysis Batch: U021584

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11L1997_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO as Gasoline	10.0	10.0		mg/kg wet		100	70 - 130	4	23
Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits						
a,a,a-Trifluorotoluene	88		50 - 150						

Lab Sample ID: 11L1997-MS1

Matrix: Soil

Analysis Batch: U021584

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L1997_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO as Gasoline	40.6		653	588		mg/kg dry	☼	84	56 - 130		
Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits								
a,a,a-Trifluorotoluene	75		50 - 150								

Lab Sample ID: 11L1997-MSD1

Matrix: Soil

Analysis Batch: U021584

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L1997_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO as Gasoline	40.6		653	580		mg/kg dry	☼	83	56 - 130	1	21
Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Limits								
a,a,a-Trifluorotoluene	74		50 - 150								

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Lab Sample ID: 11L2017-BLK1

Matrix: Soil

Analysis Batch: U021605

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2017_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		5.00		mg/kg wet		12/08/11 13:00	12/09/11 05:31	1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-Terphenyl	68		50 - 150	12/08/11 13:00	12/09/11 05:31	1.00			

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8015B - Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11L2017-BS1

Matrix: Soil

Analysis Batch: U021605

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L2017_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel	40.0	34.7	MNR	mg/kg wet		87	54 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
o-Terphenyl	79		50 - 150				

Method: SW846 8082 - Polychlorinated Biphenyls by EPA Method 8082

Lab Sample ID: 11L2015-BLK1

Matrix: Soil

Analysis Batch: U021550

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2015_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		0.0333		mg/kg wet		12/08/11 12:45	12/08/11 21:35	1.00
PCB-1221	ND		0.0333		mg/kg wet		12/08/11 12:45	12/08/11 21:35	1.00
PCB-1232	ND		0.0333		mg/kg wet		12/08/11 12:45	12/08/11 21:35	1.00
PCB-1242	ND		0.0333		mg/kg wet		12/08/11 12:45	12/08/11 21:35	1.00
PCB-1248	ND		0.0333		mg/kg wet		12/08/11 12:45	12/08/11 21:35	1.00
PCB-1254	ND		0.0333		mg/kg wet		12/08/11 12:45	12/08/11 21:35	1.00
PCB-1260	ND		0.0333		mg/kg wet		12/08/11 12:45	12/08/11 21:35	1.00
Surrogate	Blank %Recovery	Blank Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	90		19 - 147				12/08/11 12:45	12/08/11 21:35	1.00
Decachlorobiphenyl	96		20 - 150				12/08/11 12:45	12/08/11 21:35	1.00

Lab Sample ID: 11L2015-BS1

Matrix: Soil

Analysis Batch: U021550

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L2015_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.167	0.152		mg/kg wet		91	65 - 125
PCB-1260	0.167	0.177		mg/kg wet		106	52 - 150
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Tetrachloro-meta-xylene	94		19 - 147				
Decachlorobiphenyl	108		20 - 150				

Lab Sample ID: 11L2015-MS1

Matrix: Soil

Analysis Batch: U021550

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2015_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		0.219	0.146		mg/kg dry	☼	67	42 - 140
PCB-1260	ND		0.219	0.176		mg/kg dry	☼	81	37 - 159
Surrogate	Matrix Spike %Recovery	Matrix Spike Qualifier	Limits						
Tetrachloro-meta-xylene	68		19 - 147						
Decachlorobiphenyl	92		20 - 150						

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 8082 - Polychlorinated Biphenyls by EPA Method 8082 (Continued)

Lab Sample ID: 11L2015-MSD1

Matrix: Soil

Analysis Batch: U021550

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2015_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		0.220	0.149		mg/kg dry	✱	68	42 - 140	2	33
PCB-1260	ND		0.220	0.186		mg/kg dry	✱	84	37 - 159	5	37
Surrogate	Matrix Spike Dup %Recovery	Matrix Spike Dup Qualifier	Matrix Spike Dup Limits								
Tetrachloro-meta-xylene	70		19 - 147								
Decachlorobiphenyl	94		20 - 150								

Method: SW846 9056 - General Chemistry Parameters

Lab Sample ID: 11L0530-BLK1

Matrix: Soil

Analysis Batch: U021570

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L0530_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		10.0		mg/kg wet		12/02/11 14:40	12/09/11 01:17	1.00

Lab Sample ID: 11L0530-BS1

Matrix: Soil

Analysis Batch: U021570

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L0530_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits			
Sulfate	500	494		mg/kg wet		99	90 - 110			

Lab Sample ID: 11L0530-BSD1

Matrix: Soil

Analysis Batch: U021570

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11L0530_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	500	495		mg/kg wet		99	90 - 110	0.3	20

Method: SW846 6010B - Total Metals by EPA Method 6010B

Lab Sample ID: 11L2030-BLK1

Matrix: Soil

Analysis Batch: 11L2030

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2030_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		20.2		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Antimony	ND		10.1		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Arsenic	ND		1.01		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Barium	ND		2.02		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Beryllium	ND		1.01		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Cadmium	ND		1.01		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Calcium	ND		101		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Chromium	ND		1.01		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Cobalt	ND		3.03		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Copper	ND		2.02		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Iron	ND		10.1		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Lead	ND		1.01		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 6010B - Total Metals by EPA Method 6010B (Continued)

Lab Sample ID: 11L2030-BLK1

Matrix: Soil

Analysis Batch: 11L2030

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2030_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	ND		101		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Manganese	ND		3.03		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Nickel	ND		2.02		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Potassium	ND		101		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Selenium	ND		2.02		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Silver	ND		1.01		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Sodium	ND		202		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Sulfur	ND		50.5		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Thallium	ND		2.02		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Vanadium	ND		10.1		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00
Zinc	ND		10.1		mg/kg wet		12/08/11 12:45	12/09/11 06:02	1.00

Lab Sample ID: 11L2030-BS1

Matrix: Soil

Analysis Batch: 11L2030

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L2030_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	808	761		mg/kg wet		94	80 - 120
Antimony	40.4	42.9		mg/kg wet		106	80 - 120
Arsenic	20.2	18.8		mg/kg wet		93	80 - 120
Barium	808	818		mg/kg wet		101	80 - 120
Beryllium	20.2	20.3		mg/kg wet		101	80 - 120
Cadmium	20.2	19.8		mg/kg wet		98	80 - 120
Calcium	2020	2070		mg/kg wet		102	80 - 120
Chromium	80.8	77.2		mg/kg wet		96	80 - 120
Cobalt	202	207		mg/kg wet		103	80 - 120
Copper	101	97.9		mg/kg wet		97	80 - 120
Iron	404	383		mg/kg wet		95	80 - 120
Lead	20.2	20.8		mg/kg wet		103	80 - 120
Magnesium	2020	2080		mg/kg wet		103	80 - 120
Manganese	202	205		mg/kg wet		102	80 - 120
Nickel	202	208		mg/kg wet		103	80 - 120
Potassium	2020	1870		mg/kg wet		92	80 - 120
Selenium	20.2	18.8		mg/kg wet		93	80 - 120
Silver	20.2	19.4		mg/kg wet		96	75 - 125
Sodium	2020	1960		mg/kg wet		97	80 - 120
Sulfur	404	379		mg/kg wet		94	80 - 120
Thallium	20.2	18.6		mg/kg wet		92	80 - 120
Vanadium	202	201		mg/kg wet		100	80 - 120
Zinc	202	192		mg/kg wet		95	80 - 120

Lab Sample ID: 11L2030-MS1

Matrix: Soil

Analysis Batch: 11L2030

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2030_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	16000	MHA	1070	22600	MHA	mg/kg dry	☼	617	75 - 125
Antimony	ND		53.4	53.5		mg/kg dry	☼	100	75 - 125
Arsenic	8.75		26.7	32.8		mg/kg dry	☼	90	75 - 125
Barium	113		1070	1160		mg/kg dry	☼	98	75 - 125

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 6010B - Total Metals by EPA Method 6010B (Continued)

Lab Sample ID: 11L2030-MS1

Matrix: Soil

Analysis Batch: 11L2030

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2030_P

Analyte	Sample	Sample	Spike	Matrix Spike	Matrix Spike	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Beryllium	ND		26.7	26.5		mg/kg dry	☼	99	75 - 125	
Cadmium	ND		26.7	25.9		mg/kg dry	☼	97	75 - 125	
Calcium	1450		2670	4490		mg/kg dry	☼	114	75 - 125	
Chromium	16.2		107	119		mg/kg dry	☼	97	75 - 125	
Cobalt	9.69		267	279		mg/kg dry	☼	101	75 - 125	
Copper	49.5		134	166		mg/kg dry	☼	87	75 - 125	
Iron	28500	MHA	534	33000	MHA	mg/kg dry	☼	850	75 - 125	
Lead	36.3		26.7	62.7		mg/kg dry	☼	99	75 - 125	
Magnesium	3710		2670	6880		mg/kg dry	☼	119	75 - 125	
Manganese	213		267	489		mg/kg dry	☼	103	75 - 125	
Nickel	22.5		267	299		mg/kg dry	☼	103	75 - 125	
Potassium	1650	M7	2670	5120	M7	mg/kg dry	☼	130	75 - 125	
Selenium	ND		26.7	22.5		mg/kg dry	☼	84	75 - 125	
Silver	ND	M8	26.7	19.3	M8	mg/kg dry	☼	72	75 - 125	
Sodium	134		2670	2680		mg/kg dry	☼	95	75 - 125	
Sulfur	1870	MHA	534	1800	MHA	mg/kg dry	☼	-13	75 - 125	
Thallium	ND		26.7	23.6		mg/kg dry	☼	88	75 - 125	
Vanadium	23.4		267	287		mg/kg dry	☼	99	75 - 125	
Zinc	69.8		267	331		mg/kg dry	☼	98	75 - 125	

Lab Sample ID: 11L2030-MSD1

Matrix: Soil

Analysis Batch: 11L2030

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2030_P

Analyte	Sample	Sample	Spike	Matrix Spike Dup	Matrix Spike Dup	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits		RPD	Limit
Aluminum	16000	MHA	1030	19200	MHA	mg/kg dry	☼	316	75 - 125		16	20
Antimony	ND		51.5	51.1		mg/kg dry	☼	99	75 - 125		5	20
Arsenic	8.75		25.7	29.2		mg/kg dry	☼	79	75 - 125		12	20
Barium	113		1030	1080		mg/kg dry	☼	94	75 - 125		7	20
Beryllium	ND		25.7	24.7		mg/kg dry	☼	96	75 - 125		7	20
Cadmium	ND		25.7	24.6		mg/kg dry	☼	96	75 - 125		5	20
Calcium	1450		2570	3820		mg/kg dry	☼	92	75 - 125		16	20
Chromium	16.2		103	111		mg/kg dry	☼	92	75 - 125		7	20
Cobalt	9.69		257	260		mg/kg dry	☼	97	75 - 125		7	20
Copper	49.5		129	144	M8	mg/kg dry	☼	73	75 - 125		14	20
Iron	28500	MHA	515	31100	MHA	mg/kg dry	☼	506	75 - 125		6	20
Lead	36.3		25.7	52.3	M8	mg/kg dry	☼	62	75 - 125		18	20
Magnesium	3710		2570	6700		mg/kg dry	☼	116	75 - 125		3	20
Manganese	213		257	462		mg/kg dry	☼	96	75 - 125		6	20
Nickel	22.5		257	282		mg/kg dry	☼	101	75 - 125		6	20
Potassium	1650	M7	2570	3640	R3	mg/kg dry	☼	78	75 - 125		34	20
Selenium	ND		25.7	20.9		mg/kg dry	☼	81	75 - 125		7	20
Silver	ND	M8	25.7	17.8	M8	mg/kg dry	☼	69	75 - 125		8	20
Sodium	134		2570	2490		mg/kg dry	☼	92	75 - 125		7	20
Sulfur	1870	MHA	515	1510	MHA	mg/kg dry	☼	-69	75 - 125		17	20
Thallium	ND		25.7	22.2		mg/kg dry	☼	86	75 - 125		6	20
Vanadium	23.4		257	262		mg/kg dry	☼	93	75 - 125		9	20
Zinc	69.8		257	322		mg/kg dry	☼	98	75 - 125		3	20

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 7471A - Mercury by EPA Methods 7470A/7471A

Lab Sample ID: 11L1254-BLK1

Matrix: Soil

Analysis Batch: 11L1254

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L1254_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.097		mg/kg wet		12/08/11 13:15	12/09/11 09:55	1.0

Lab Sample ID: 11L1254-BS1

Matrix: Soil

Analysis Batch: 11L1254

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L1254_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.162	0.16		mg/kg wet		99	80 - 120

Lab Sample ID: 11L1254-BSD1

Matrix: Soil

Analysis Batch: 11L1254

Client Sample ID: Lab Control Sample Dup

Prep Type: Total

Prep Batch: 11L1254_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.162	0.16		mg/kg wet		101	80 - 120	1	20

Method: ASTM D240 - General Chemistry Parameters

Lab Sample ID: 11L2431-BLK1

Matrix: Soil

Analysis Batch: 11L2431

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2431_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
BTU Content	ND		200		BTU/Lb		12/09/11 14:42	12/09/11 16:15	1.00

Lab Sample ID: 11L2431-BS1

Matrix: Soil

Analysis Batch: 11L2431

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L2431_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
BTU Content	11400	10500		BTU/Lb		92	90 - 110

Lab Sample ID: 11L2431-DUP1

Matrix: Soil

Analysis Batch: 11L2431

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2431_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
BTU Content	2500		2500		BTU/Lb		0	10

Method: SW846 9012B - General Chemistry Parameters

Lab Sample ID: 11L2095-BLK1

Matrix: Soil

Analysis Batch: 11L2095

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11L2095_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide	ND		0.00500		mg/kg wet		12/09/11 09:30	12/09/11 11:22	1.00

QC Sample Results

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method: SW846 9012B - General Chemistry Parameters (Continued)

Lab Sample ID: 11L2095-BS1

Matrix: Soil

Analysis Batch: 11L2095

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11L2095_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide			5.00	5.34		mg/kg wet		107	90 - 110

Lab Sample ID: 11L2095-MS1

Matrix: Soil

Analysis Batch: 11L2095

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2095_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide	ND		6.64	5.59		mg/kg dry	☼	84	70 - 130

Lab Sample ID: 11L2095-MSD1

Matrix: Soil

Analysis Batch: 11L2095

Client Sample ID: S-WC#2ESMI(120711)

Prep Type: Total

Prep Batch: 11L2095_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD Limit
Cyanide	ND		6.64	6.03		mg/kg dry	☼	91	70 - 130	7 20

Lab Sample ID: 11L2095-DUP1

Matrix: Soil

Analysis Batch: 11L2095

Client Sample ID: S-WC#3ESMI(120711)

Prep Type: Total

Prep Batch: 11L2095_P

Analyte	Sample Result	Sample Qualifier		Duplicate Result	Duplicate Qualifier	Unit	D		RPD Limit
Cyanide	ND			0.245	R2	mg/kg dry	☼		20

QC Association Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

GCMS Volatiles

Analysis Batch: U021619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1779-BLK1	Method Blank	Total	Soil	SW846 8260B	11L1779_P
11L1779-BLK2	Method Blank	Total	Soil	SW846 8260B	11L1779_P
11L1779-BS1	Lab Control Sample	Total	Soil	SW846 8260B	11L1779_P
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	SW846 8260B	11L1779_P
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	SW846 8260B	11L1779_P

Prep Batch: 11L1779_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1779-BLK1	Method Blank	Total	Soil	EPA 5035	
11L1779-BLK2	Method Blank	Total	Soil	EPA 5035	
11L1779-BS1	Lab Control Sample	Total	Soil	EPA 5035	
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	EPA 5035	
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	EPA 5035	

GCMS Semivolatiles

Analysis Batch: 11L2016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2016-BLK1	Method Blank	Total	Soil	SW846 8270C	11L2016_P
11L2016-BS1	Lab Control Sample	Total	Soil	SW846 8270C	11L2016_P
11L2016-MS1	S-WC#2ESMI(120711)	Total	Soil	SW846 8270C	11L2016_P
11L2016-MSD1	S-WC#2ESMI(120711)	Total	Soil	SW846 8270C	11L2016_P
NVL1036-01 - RE1	S-WC#2ESMI(120711)	Total	Soil	SW846 8270C	11L2016_P
NVL1036-02 - RE1	S-WC#3ESMI(120711)	Total	Soil	SW846 8270C	11L2016_P

Prep Batch: 11L2016_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2016-BLK1	Method Blank	Total	Soil	EPA 3550B	
11L2016-BS1	Lab Control Sample	Total	Soil	EPA 3550B	
11L2016-MS1	S-WC#2ESMI(120711)	Total	Soil	EPA 3550B	
11L2016-MSD1	S-WC#2ESMI(120711)	Total	Soil	EPA 3550B	
NVL1036-01 - RE1	S-WC#2ESMI(120711)	Total	Soil	EPA 3550B	
NVL1036-02 - RE1	S-WC#3ESMI(120711)	Total	Soil	EPA 3550B	

GC Volatiles

Analysis Batch: U021584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1997-BLK1	Method Blank	Total	Soil	SW846 8015B	11L1997_P
11L1997-BLK2	Method Blank	Total	Soil	SW846 8015B	11L1997_P
11L1997-BS1	Lab Control Sample	Total	Soil	SW846 8015B	11L1997_P
11L1997-BS2	Lab Control Sample	Total	Soil	SW846 8015B	11L1997_P
11L1997-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8015B	11L1997_P
11L1997-BSD2	Lab Control Sample Dup	Total	Soil	SW846 8015B	11L1997_P
11L1997-MS1	S-WC#2ESMI(120711)	Total	Soil	SW846 8015B	11L1997_P
11L1997-MSD1	S-WC#2ESMI(120711)	Total	Soil	SW846 8015B	11L1997_P
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	SW846 8015B	11L1997_P
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	SW846 8015B	11L1997_P

QC Association Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

GC Volatiles (Continued)

Prep Batch: 11L1997_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1997-BLK1	Method Blank	Total	Soil	EPA 5035A (GC)	
11L1997-BLK2	Method Blank	Total	Soil	EPA 5035A (GC)	
11L1997-BS1	Lab Control Sample	Total	Soil	EPA 5035A (GC)	
11L1997-BS2	Lab Control Sample	Total	Soil	EPA 5035A (GC)	
11L1997-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035A (GC)	
11L1997-BSD2	Lab Control Sample Dup	Total	Soil	EPA 5035A (GC)	
11L1997-MS1	S-WC#2ESMI(120711)	Total	Soil	EPA 5035A (GC)	
11L1997-MSD1	S-WC#2ESMI(120711)	Total	Soil	EPA 5035A (GC)	
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	EPA 5035A (GC)	
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	EPA 5035A (GC)	

GC Semivolatiles

Analysis Batch: U021605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2017-BLK1	Method Blank	Total	Soil	SW846 8015B	11L2017_P
11L2017-BS1	Lab Control Sample	Total	Soil	SW846 8015B	11L2017_P
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	SW846 8015B	11L2017_P
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	SW846 8015B	11L2017_P

Prep Batch: 11L2017_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2017-BLK1	Method Blank	Total	Soil	EPA 3550B	
11L2017-BS1	Lab Control Sample	Total	Soil	EPA 3550B	
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	EPA 3550B	
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	EPA 3550B	

Pesticides

Analysis Batch: U021550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2015-BLK1	Method Blank	Total	Soil	SW846 8082	11L2015_P
11L2015-BS1	Lab Control Sample	Total	Soil	SW846 8082	11L2015_P
11L2015-MS1	S-WC#2ESMI(120711)	Total	Soil	SW846 8082	11L2015_P
11L2015-MSD1	S-WC#2ESMI(120711)	Total	Soil	SW846 8082	11L2015_P
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	SW846 8082	11L2015_P
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	SW846 8082	11L2015_P

Prep Batch: 11L2015_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2015-BLK1	Method Blank	Total	Soil	EPA 3550B/3665A	
11L2015-BS1	Lab Control Sample	Total	Soil	EPA 3550B/3665A	

QC Association Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Pesticides (Continued)

Prep Batch: 11L2015_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2015-MS1	S-WC#2ESMI(120711)	Total	Soil	EPA 3550B/3665A	
11L2015-MSD1	S-WC#2ESMI(120711)	Total	Soil	EPA 3550B/3665A	
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	EPA 3550B/3665A	
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	EPA 3550B/3665A	

HPLC

Analysis Batch: U021570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0530-BLK1	Method Blank	Total	Soil	SW846 9056	11L0530_P
11L0530-BS1	Lab Control Sample	Total	Soil	SW846 9056	11L0530_P
11L0530-BSD1	Lab Control Sample Dup	Total	Soil	SW846 9056	11L0530_P
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	SW846 9056	11L0530_P
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	SW846 9056	11L0530_P

Prep Batch: 11L0530_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L0530-BLK1	Method Blank	Total	Soil	Method Prep (IC)	
11L0530-BS1	Lab Control Sample	Total	Soil	Method Prep (IC)	
11L0530-BSD1	Lab Control Sample Dup	Total	Soil	Method Prep (IC)	
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	Method Prep (IC)	
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	Method Prep (IC)	

Metals

Analysis Batch: 11L1254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1254-BLK1	Method Blank	Total	Soil	SW846 7471A	11L1254_P
11L1254-BS1	Lab Control Sample	Total	Soil	SW846 7471A	11L1254_P
11L1254-BSD1	Lab Control Sample Dup	Total	Soil	SW846 7471A	11L1254_P
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	SW846 7471A	11L1254_P
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	SW846 7471A	11L1254_P

Analysis Batch: 11L2030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2030-BLK1	Method Blank	Total	Soil	SW846 6010B	11L2030_P
11L2030-BS1	Lab Control Sample	Total	Soil	SW846 6010B	11L2030_P
11L2030-MS1	S-WC#2ESMI(120711)	Total	Soil	SW846 6010B	11L2030_P
11L2030-MSD1	S-WC#2ESMI(120711)	Total	Soil	SW846 6010B	11L2030_P
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	SW846 6010B	11L2030_P
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	SW846 6010B	11L2030_P

Prep Batch: 11L1254_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L1254-BLK1	Method Blank	Total	Soil	EPA 7471	
11L1254-BS1	Lab Control Sample	Total	Soil	EPA 7471	
11L1254-BSD1	Lab Control Sample Dup	Total	Soil	EPA 7471	
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	EPA 7471	
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	EPA 7471	

QC Association Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Metals (Continued)

Prep Batch: 11L2030_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2030-BLK1	Method Blank	Total	Soil	EPA 3051A/6010	
11L2030-BS1	Lab Control Sample	Total	Soil	EPA 3051A/6010	
11L2030-MS1	S-WC#2ESMI(120711)	Total	Soil	EPA 3051A/6010	
11L2030-MSD1	S-WC#2ESMI(120711)	Total	Soil	EPA 3051A/6010	
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	EPA 3051A/6010	
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	EPA 3051A/6010	

WetChem

Analysis Batch: 11L2095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2095-BLK1	Method Blank	Total	Soil	SW846 9012B	11L2095_P
11L2095-BS1	Lab Control Sample	Total	Soil	SW846 9012B	11L2095_P
11L2095-DUP1	S-WC#3ESMI(120711)	Total	Soil	SW846 9012B	11L2095_P
11L2095-MS1	S-WC#2ESMI(120711)	Total	Soil	SW846 9012B	11L2095_P
11L2095-MSD1	S-WC#2ESMI(120711)	Total	Soil	SW846 9012B	11L2095_P
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	SW846 9012B	11L2095_P
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	SW846 9012B	11L2095_P

Analysis Batch: 11L2431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2431-BLK1	Method Blank	Total	Soil	ASTM D240	11L2431_P
11L2431-BS1	Lab Control Sample	Total	Soil	ASTM D240	11L2431_P
11L2431-DUP1	S-WC#2ESMI(120711)	Total	Soil	ASTM D240	11L2431_P
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	ASTM D240	11L2431_P
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	ASTM D240	11L2431_P

Prep Batch: 11L2095_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2095-BLK1	Method Blank	Total	Soil	NO PREP	
11L2095-BS1	Lab Control Sample	Total	Soil	NO PREP	
11L2095-DUP1	S-WC#3ESMI(120711)	Total	Soil	NO PREP	
11L2095-MS1	S-WC#2ESMI(120711)	Total	Soil	NO PREP	
11L2095-MSD1	S-WC#2ESMI(120711)	Total	Soil	NO PREP	
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	NO PREP	
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	NO PREP	

Prep Batch: 11L2431_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11L2431-BLK1	Method Blank	Total	Soil	BTU	
11L2431-BS1	Lab Control Sample	Total	Soil	BTU	
11L2431-DUP1	S-WC#2ESMI(120711)	Total	Soil	BTU	
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	BTU	
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	BTU	

QC Association Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Extractions

Analysis Batch: 11L2020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	SW-846	11L2020_P
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	SW-846	11L2020_P

Prep Batch: 11L2020_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	% Solids	
NVL1036-02	S-WC#3ESMI(120711)	Total	Soil	% Solids	

Analysis Batch: 11L2016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NVL1036-01	S-WC#2ESMI(120711)	Total	Soil	SW846 8270C	

Lab Chronicle

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#2ESMI(120711)

Lab Sample ID: NVL1036-01

Date Collected: 12/07/11 12:30

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.926	11L1779_P	12/08/11 12:15	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U021619	12/08/11 18:18	KXC	TAL NSH
Total	Prep	EPA 3550B	RE1	0.991	11L2016_P	12/08/11 12:53	JJR	TAL NSH
Total	Analysis	SW846 8270C	RE1	5.00	11L2016	12/09/11 11:16	KJP	TAL NSH
Total	Prep	EPA 5035A (GC)		0.984	11L1997_P	12/08/11 12:21	AAN	TAL NSH
Total	Analysis	SW846 8015B		50.0	U021584	12/09/11 09:16	FKG	TAL NSH
Total	Prep	EPA 3550B		0.975	11L2017_P	12/08/11 13:00	JJR	TAL NSH
Total	Analysis	SW846 8015B		20.0	U021605	12/09/11 08:40	JLF	TAL NSH
Total	Prep	EPA 3550B/3665A		0.991	11L2015_P	12/08/11 12:45	JJR	TAL NSH
Total	Analysis	SW846 8082		1.00	U021550	12/08/11 23:02	RMC	TAL NSH
Total	Prep	Method Prep (IC)		0.968	11L0530_P	12/08/11 14:00	AMC	TAL NSH
Total	Analysis	SW846 9056		1.00	U021570	12/09/11 02:09	AMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.952	11L2030_P	12/08/11 12:45	CAT	TAL NSH
Total	Analysis	SW846 6010B		1.00	11L2030	12/09/11 06:08	AVR	TAL NSH
Total	Prep	EPA 7471		0.98	11L1254_P	12/08/11 13:15	MB	TAL NSH
Total	Analysis	SW846 7471A		1.0	11L1254	12/09/11 11:11	MB	TAL NSH
Total	Prep	BTU		1.00	11L2431_P	12/09/11 14:42	REM	TAL NSH
Total	Analysis	ASTM D240		1.00	11L2431	12/09/11 16:15	AMB	TAL NSH
Total	Prep	NO PREP		1.00	11L2095_P	12/09/11 09:30	SAB	TAL NSH
Total	Analysis	SW846 9012B		1.00	11L2095	12/09/11 11:24	MLM	TAL NSH
Total	Prep	% Solids		1.00	11L2020_P	12/08/11 16:35	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L2020	12/09/11 09:10	RRS	TAL NSH
Total	Analysis	SW846 8270C		1.00	11L2016	12/08/11 18:46		TAL NSH

Client Sample ID: S-WC#3ESMI(120711)

Lab Sample ID: NVL1036-02

Date Collected: 12/07/11 12:45

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035		0.938	11L1779_P	12/08/11 12:19	AAN	TAL NSH
Total	Analysis	SW846 8260B		50.0	U021619	12/08/11 18:48	KXC	TAL NSH
Total	Prep	EPA 3550B	RE1	0.989	11L2016_P	12/08/11 12:53	JJR	TAL NSH
Total	Analysis	SW846 8270C	RE1	5.00	11L2016	12/09/11 11:35	KJP	TAL NSH
Total	Prep	EPA 5035A (GC)		0.969	11L1997_P	12/08/11 12:23	AAN	TAL NSH
Total	Analysis	SW846 8015B		50.0	U021584	12/09/11 09:33	FKG	TAL NSH
Total	Prep	EPA 3550B		0.989	11L2017_P	12/08/11 13:00	JJR	TAL NSH
Total	Analysis	SW846 8015B		20.0	U021605	12/09/11 08:54	JLF	TAL NSH
Total	Prep	EPA 3550B/3665A		0.986	11L2015_P	12/08/11 12:45	JJR	TAL NSH
Total	Analysis	SW846 8082		1.00	U021550	12/08/11 23:24	RMC	TAL NSH
Total	Prep	Method Prep (IC)		0.990	11L0530_P	12/08/11 14:00	AMC	TAL NSH
Total	Analysis	SW846 9056		1.00	U021570	12/09/11 02:27	AMC	TAL NSH
Total	Prep	EPA 3051A/6010		0.969	11L2030_P	12/08/11 12:45	CAT	TAL NSH
Total	Analysis	SW846 6010B		1.00	11L2030	12/09/11 06:17	AVR	TAL NSH
Total	Prep	EPA 7471		0.96	11L1254_P	12/08/11 13:15	MB	TAL NSH
Total	Analysis	SW846 7471A		1.0	11L1254	12/09/11 11:13	MB	TAL NSH

Lab Chronicle

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Client Sample ID: S-WC#3ESMI(120711)

Lab Sample ID: NVL1036-02

Date Collected: 12/07/11 12:45

Matrix: Soil

Date Received: 12/08/11 08:00

Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	BTU		1.00	11L2431_P	12/09/11 14:42	REM	TAL NSH
Total	Analysis	ASTM D240		1.00	11L2431	12/09/11 16:15	AMB	TAL NSH
Total	Prep	NO PREP		1.00	11L2095_P	12/09/11 09:30	SAB	TAL NSH
Total	Analysis	SW846 9012B		1.00	11L2095	12/09/11 11:26	MLM	TAL NSH
Total	Prep	% Solids		1.00	11L2020_P	12/08/11 16:35	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11L2020	12/09/11 09:10	RRS	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Buffalo	Arkansas	State Program	6	88-0686
TestAmerica Buffalo	California	NELAC	9	1169CA
TestAmerica Buffalo	Connecticut	State Program	1	PH-0568
TestAmerica Buffalo	Florida	NELAC	4	E87672
TestAmerica Buffalo	Georgia	Georgia EPD	4	N/A
TestAmerica Buffalo	Georgia	State Program	4	956
TestAmerica Buffalo	Illinois	NELAC	5	100325 / 200003
TestAmerica Buffalo	Iowa	State Program	7	374
TestAmerica Buffalo	Kansas	NELAC	7	E-10187
TestAmerica Buffalo	Kentucky	Kentucky UST	4	30
TestAmerica Buffalo	Kentucky	State Program	4	90029
TestAmerica Buffalo	Louisiana	NELAC	6	02031
TestAmerica Buffalo	Maine	State Program	1	NY0044
TestAmerica Buffalo	Maryland	State Program	3	294
TestAmerica Buffalo	Massachusetts	State Program	1	M-NY044
TestAmerica Buffalo	Michigan	State Program	5	9937
TestAmerica Buffalo	Minnesota	NELAC	5	036-999-337
TestAmerica Buffalo	New Hampshire	NELAC	1	2337
TestAmerica Buffalo	New Hampshire	NELAC	1	68-00281
TestAmerica Buffalo	New Jersey	NELAC	2	NY455
TestAmerica Buffalo	New York	NELAC	2	10026
TestAmerica Buffalo	North Dakota	State Program	8	R-176
TestAmerica Buffalo	Oklahoma	State Program	6	9421
TestAmerica Buffalo	Oregon	NELAC	10	NY200003
TestAmerica Buffalo	Pennsylvania	NELAC	3	68-00281
TestAmerica Buffalo	Tennessee	State Program	4	TN02970
TestAmerica Buffalo	Texas	NELAC	6	T104704412-08-TX
TestAmerica Buffalo	USDA	USDA		P330-08-00242
TestAmerica Buffalo	Virginia	NELAC Secondary AB	3	460185
TestAmerica Buffalo	Virginia	State Program	3	278
TestAmerica Buffalo	Washington	State Program	10	C1677
TestAmerica Buffalo	Wisconsin	State Program	5	998310390
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Canada (CALA)	Canada (CALA)		3744
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032

Certification Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219
TestAmerica Nashville	Wisconsin	State Program	5	998020430

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Method Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270C	Semivolatile Organic Compounds by EPA Method 8270C		TAL NSH
SW846 8015B	Purgeable Petroleum Hydrocarbons		TAL NSH
SW846 8015B	Extractable Petroleum Hydrocarbons		TAL NSH
SW846 8082	Polychlorinated Biphenyls by EPA Method 8082		TAL NSH
SW846 9056	General Chemistry Parameters		TAL NSH
SW846 6010B	Total Metals by EPA Method 6010B		TAL NSH
SW846 7471A	Mercury by EPA Methods 7470A/7471A		TAL NSH
ASTM D240	General Chemistry Parameters		TAL NSH
SW846 9012B	General Chemistry Parameters		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Sample Summary

Client: New York State Electric & Gas
Project/Site: NYSEG -Binghamton Court Street

TestAmerica Job ID: 480-13838-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-13838-1	NVL1036 - S-WC #2 ESMI(120711)	Solid	12/07/11 12:30	12/08/11 08:00
480-13838-2	NVL1036 - S-WC #3 ESMI(120711)	Solid	12/07/11 12:45	12/08/11 08:00
NVL1036-01	S-WC#2ESMI(120711)	Soil	12/07/11 12:30	12/08/11 08:00
NVL1036-02	S-WC#3ESMI(120711)	Soil	12/07/11 12:45	12/08/11 08:00

Chain of Custody Record

Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Lab PM: Giglia, Denise E-Mail: denise.giglia@testamericainc.com Phone:		Carrier Tracking No(s): 480-2441.1 Page: Page 1 of 1 Job #: 480-13838-1	
Company: TestAmerica Laboratories, Inc Address: 2980 Foster Creighton Drive, City: Nashville State, Zip: TN, 37204 Phone: 800-765-0980(Tel) 615-726-0954(Fax) Email:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Antichlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Due Date Requested: 12/13/2011 TAT Requested (days): PO #: WO #: Project #: 48005192 SSO#:		SUBCONTRACT Field Filtered Sample (Yes or No)	
Sample Identification - Client ID (Lab ID) NVL 1036 - S-WC #2 ESMI(120711) (480-13838-1) NVL 1036 - S-WC #3 ESMI(120711) (480-13838-2)		Sample Date: 12/7/11 Sample Time: 12:30 Eastern Sample Type (C=Comp, G=grab): Solid Matrix (W=water, S=solid, O=other): Solid	
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant		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:	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Relinquished by:		Date/Time:	
Custody Seals Intact: ☐ Yes ☐ No		Cooler Temperature(s) °C and Other Remarks:	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 480-13838-1

Login Number: 13838

List Source: TestAmerica Buffalo

List Number: 1

Creator: Kinecki, Kenneth

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.	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.	True	
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	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	



Friday, December 23, 2011

Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Project ID: NYSEG-BINGHAMTON COURT ST
Sample ID#s: BB10476 - BB10478

This laboratory is in compliance with the QA/QC procedures outlined in EPA 600/4-79-019, Handbook for Analytical Quality in Water and Waste Water, March 1979, SW846 QA/QC and NELAC requirements of procedures used.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

December 23, 2011

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: SOIL
Location Code: ARCAD-SY | S WC ES
Rush Request: RUSH##
P.O.#: 10122411

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
12/12/11 15:00
12/13/11 11:39

Laboratory Data

SDG ID: GBB10476
Phoenix ID: BB10476

Project ID: NYSEG-BINGHAMTON COURT ST

Client ID: S-WC #4 ESMI (121211)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.39	0.39	mg/Kg	12/15/11		EK	6010/200.7
Arsenic	6.24	0.78	mg/Kg	12/15/11		EK	6010/200.7
Beryllium	0.62	0.31	mg/Kg	12/15/11		EK	6010/200.7
Cadmium	1.06	0.39	mg/Kg	12/15/11		EK	6010/200.7
Chromium	17.6	0.39	mg/Kg	12/15/11		EK	6010/200.7
Mercury	< 0.09	0.09	mg/Kg	12/14/11		RS	SW-7471
Nickel	27.3	0.39	mg/Kg	12/15/11		EK	6010/200.7
Lead	28.5	0.39	mg/Kg	12/15/11		EK	6010/200.7
Antimony	< 3.9	3.9	mg/Kg	12/15/11		EK	6010/200.7
Selenium	< 1.6	1.6	mg/Kg	12/15/11		EK	6010/200.7
Thallium	< 3.5	3.5	mg/Kg	12/15/11		EK	6010/200.7
Total Metals Digest	Completed			12/13/11		AG	SW846 - 3050
Vanadium	35.8	0.39	mg/Kg	12/15/11		EK	6010/200.7
Zinc	88.3	0.39	mg/Kg	12/15/11		EK	6010/200.7
Percent Solid	79		%	12/13/11		JL	E160.3
Total Cyanide	3.6	0.63	mg/Kg	12/13/11		O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			12/13/11		RB/F	SW3545
Soil Extraction for SVOA	Completed			12/13/11		RB/R	SW3545
Mercury Digestion	Completed			12/14/11			SW7471
BTU Value	BDL	500	BTU/LB	12/16/11		*	ASTMD2015 1
Sulfur	BDL	0.10	%	12/16/11		*	ASTMD4239 1
Gasoline Range Organics	< 20	20	mg/Kg	12/14/11		JRB	8015GRO
Extraction of TPH SM	Completed			12/13/11		RS/F	3545/3550

Polychlorinated Biphenyls

PCB-1016	ND	420	ug/Kg	12/14/11		MH	SW 8082
PCB-1221	ND	420	ug/Kg	12/14/11		MH	SW 8082
PCB-1232	ND	420	ug/Kg	12/14/11		MH	SW 8082

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1242	ND	420	ug/Kg	12/14/11		MH	SW 8082
PCB-1248	ND	420	ug/Kg	12/14/11		MH	SW 8082
PCB-1254	ND	420	ug/Kg	12/14/11		MH	SW 8082
PCB-1260	ND	420	ug/Kg	12/14/11		MH	SW 8082
PCB-1262	ND	420	ug/Kg	12/14/11		MH	SW 8082
PCB-1268	ND	420	ug/Kg	12/14/11		MH	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	102		%	12/14/11		MH	30 - 150 %
% TCMX	106		%	12/14/11		MH	30 - 150 %
<u>TPH by GC (Extractable Products)</u>							
Fuel Oil #2 / Diesel Fuel	**	84	mg/kg	12/14/11		JRB	8015M (C9-C36)
Fuel Oil #4	ND	84	mg/kg	12/14/11		JRB	8015M (C9-C36)
Fuel Oil #6	ND	84	mg/kg	12/14/11		JRB	8015M (C9-C36)
Kerosene	ND	84	mg/kg	12/14/11		JRB	8015M (C9-C36)
Motor Oil	ND	84	mg/kg	12/14/11		JRB	8015M (C9-C36)
Other Oil (Cutting & Lubricating)	ND	84	mg/kg	12/14/11		JRB	8015M (C9-C36)
Unidentified	1100	84	mg/kg	12/14/11		JRB	8015M (C9-C36)
<u>QA/QC Surrogates</u>							
% n-Pentacosane	56		%	12/14/11		JRB	50 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,1,1-Trichloroethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,1,2,2-Tetrachloroethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,1,2-Trichloroethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,1-Dichloroethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,1-Dichloroethene	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,1-Dichloropropene	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,2,3-Trichlorobenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,2,3-Trichloropropane	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,2,4-Trichlorobenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,2,4-Trimethylbenzene	4700	1600	ug/Kg	12/19/11		RM	SW8260
1,2-Dibromo-3-chloropropane	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,2-Dichlorobenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,2-Dichloroethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,2-Dichloropropane	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,3,5-Trimethylbenzene	1900	1600	ug/Kg	12/19/11		RM	SW8260
1,3-Dichlorobenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,3-Dichloropropane	ND	1600	ug/Kg	12/19/11		RM	SW8260
1,4-Dichlorobenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
2,2-Dichloropropane	ND	1600	ug/Kg	12/19/11		RM	SW8260
2-Chlorotoluene	ND	1600	ug/Kg	12/19/11		RM	SW8260
2-Hexanone	ND	7900	ug/Kg	12/19/11		RM	SW8260
2-Isopropyltoluene	ND	1600	ug/Kg	12/19/11		RM	SW8260
4-Chlorotoluene	ND	1600	ug/Kg	12/19/11		RM	SW8260
4-Methyl-2-pentanone	ND	7900	ug/Kg	12/19/11		RM	SW8260
Acetone	ND	7900	ug/Kg	12/19/11		RM	SW8260
Acrylonitrile	ND	3200	ug/Kg	12/19/11		RM	SW8260
Benzene	ND	1600	ug/Kg	12/19/11		RM	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
Bromochloromethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
Bromodichloromethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
Bromoform	ND	1600	ug/Kg	12/19/11		RM	SW8260
Bromomethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
Carbon Disulfide	ND	1600	ug/Kg	12/19/11		RM	SW8260
Carbon tetrachloride	ND	1600	ug/Kg	12/19/11		RM	SW8260
Chlorobenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
Chloroethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
Chloroform	ND	1600	ug/Kg	12/19/11		RM	SW8260
Chloromethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
cis-1,2-Dichloroethene	ND	1600	ug/Kg	12/19/11		RM	SW8260
cis-1,3-Dichloropropene	ND	1600	ug/Kg	12/19/11		RM	SW8260
Dibromochloromethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
Dibromoethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
Dibromomethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
Dichlorodifluoromethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
Ethylbenzene	6700	1600	ug/Kg	12/19/11		RM	SW8260
Hexachlorobutadiene	ND	1600	ug/Kg	12/19/11		RM	SW8260
Isopropylbenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
m&p-Xylene	6800	1600	ug/Kg	12/19/11		RM	SW8260
Methyl Ethyl Ketone	ND	7900	ug/Kg	12/19/11		RM	SW8260
Methyl t-butyl ether (MTBE)	ND	3200	ug/Kg	12/19/11		RM	SW8260
Methylene chloride	ND	1600	ug/Kg	12/19/11		RM	SW8260
Naphthalene	150000	12800	ug/Kg	12/19/11		RM	SW8260
n-Butylbenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
n-Propylbenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
o-Xylene	3200	1600	ug/Kg	12/19/11		RM	SW8260
p-Isopropyltoluene	ND	1600	ug/Kg	12/19/11		RM	SW8260
sec-Butylbenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
Styrene	ND	1600	ug/Kg	12/19/11		RM	SW8260
tert-Butylbenzene	ND	1600	ug/Kg	12/19/11		RM	SW8260
Tetrachloroethene	ND	1600	ug/Kg	12/19/11		RM	SW8260
Tetrahydrofuran (THF)	ND	3200	ug/Kg	12/19/11		RM	SW8260
Toluene	ND	1600	ug/Kg	12/19/11		RM	SW8260
Total Xylenes	10000	1600	ug/Kg	12/19/11		RM	SW8260
trans-1,2-Dichloroethene	ND	1600	ug/Kg	12/19/11		RM	SW8260
trans-1,3-Dichloropropene	ND	1600	ug/Kg	12/19/11		RM	SW8260
trans-1,4-dichloro-2-butene	ND	3200	ug/Kg	12/19/11		RM	SW8260
Trichloroethene	ND	1600	ug/Kg	12/19/11		RM	SW8260
Trichlorofluoromethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
Trichlorotrifluoroethane	ND	1600	ug/Kg	12/19/11		RM	SW8260
Vinyl chloride	ND	1600	ug/Kg	12/19/11		RM	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103		%	12/19/11		RM	70 - 130 %
% Bromofluorobenzene	103		%	12/19/11		RM	70 - 130 %
% Dibromofluoromethane	96		%	12/19/11		RM	70 - 130 %
% Toluene-d8	98		%	12/19/11		RM	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	290	ug/Kg	12/14/11		DD	SW 8270
1,2,4-Trichlorobenzene	ND	290	ug/Kg	12/14/11		DD	SW 8270
1,2-Dichlorobenzene	ND	290	ug/Kg	12/14/11		DD	SW 8270
1,3-Dichlorobenzene	ND	290	ug/Kg	12/14/11		DD	SW 8270
1,4-Dichlorobenzene	ND	290	ug/Kg	12/14/11		DD	SW 8270
2,4,5-Trichlorophenol	ND	290	ug/Kg	12/14/11		DD	SW 8270
2,4,6-Trichlorophenol	ND	290	ug/Kg	12/14/11		DD	SW 8270
2,4-Dichlorophenol	ND	290	ug/Kg	12/14/11		DD	SW 8270
2,4-Dimethylphenol	ND	290	ug/Kg	12/14/11		DD	SW 8270
2,4-Dinitrophenol	ND	660	ug/Kg	12/14/11		DD	SW 8270
2,4-Dinitrotoluene	ND	290	ug/Kg	12/14/11		DD	SW 8270
2,6-Dinitrotoluene	ND	290	ug/Kg	12/14/11		DD	SW 8270
2-Chloronaphthalene	ND	290	ug/Kg	12/14/11		DD	SW 8270
2-Chlorophenol	ND	290	ug/Kg	12/14/11		DD	SW 8270
2-Methylnaphthalene	45000	290	ug/Kg	12/14/11		DD	SW 8270
2-Methylphenol (o-cresol)	ND	290	ug/Kg	12/14/11		DD	SW 8270
2-Nitroaniline	ND	660	ug/Kg	12/14/11		DD	SW 8270
2-Nitrophenol	ND	290	ug/Kg	12/14/11		DD	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	420	ug/Kg	12/14/11		DD	SW 8270
3,3'-Dichlorobenzidine	ND	500	ug/Kg	12/14/11		DD	SW 8270
3-Nitroaniline	ND	660	ug/Kg	12/14/11		DD	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	12/14/11		DD	SW 8270
4-Bromophenyl phenyl ether	ND	420	ug/Kg	12/14/11		DD	SW 8270
4-Chloro-3-methylphenol	ND	290	ug/Kg	12/14/11		DD	SW 8270
4-Chloroaniline	ND	290	ug/Kg	12/14/11		DD	SW 8270
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	12/14/11		DD	SW 8270
4-Nitroaniline	ND	660	ug/Kg	12/14/11		DD	SW 8270
4-Nitrophenol	ND	1200	ug/Kg	12/14/11		DD	SW 8270
Acenaphthene	35000	290	ug/Kg	12/14/11		DD	SW 8270
Acenaphthylene	3600	290	ug/Kg	12/14/11		DD	SW 8270
Acetophenone	ND	290	ug/Kg	12/14/11		DD	SW 8270
Aniline	ND	1200	ug/Kg	12/14/11		DD	SW 8270
Anthracene	11000	290	ug/Kg	12/14/11		DD	SW 8270
Azobenzene	ND	420	ug/Kg	12/14/11		DD	SW 8270
Benz(a)anthracene	3500	290	ug/Kg	12/14/11		DD	SW 8270
Benzidine	ND	500	ug/Kg	12/14/11		DD	SW 8270
Benzo(a)pyrene	2300	290	ug/Kg	12/14/11		DD	SW 8270
Benzo(b)fluoranthene	2300	290	ug/Kg	12/14/11		DD	SW 8270
Benzo(ghi)perylene	460	290	ug/Kg	12/14/11		DD	SW 8270
Benzo(k)fluoranthene	710	290	ug/Kg	12/14/11		DD	SW 8270
Benzoic acid	ND	1200	ug/Kg	12/14/11		DD	SW 8270
Benzyl butyl phthalate	ND	290	ug/Kg	12/14/11		DD	SW 8270
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	12/14/11		DD	SW 8270
Bis(2-chloroethyl)ether	ND	420	ug/Kg	12/14/11		DD	SW 8270
Bis(2-chloroisopropyl)ether	ND	290	ug/Kg	12/14/11		DD	SW 8270
Bis(2-ethylhexyl)phthalate	ND	290	ug/Kg	12/14/11		DD	SW 8270
Carbazole	ND	620	ug/Kg	12/14/11		DD	SW 8270
Chrysene	2800	290	ug/Kg	12/14/11		DD	SW 8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Dibenz(a,h)anthracene	ND	290	ug/Kg	12/14/11		DD	SW 8270
Dibenzofuran	ND	290	ug/Kg	12/14/11		DD	SW 8270
Diethyl phthalate	ND	290	ug/Kg	12/14/11		DD	SW 8270
Dimethylphthalate	ND	290	ug/Kg	12/14/11		DD	SW 8270
Di-n-butylphthalate	ND	290	ug/Kg	12/14/11		DD	SW 8270
Di-n-octylphthalate	ND	290	ug/Kg	12/14/11		DD	SW 8270
Fluoranthene	7300	290	ug/Kg	12/14/11		DD	SW 8270
Fluorene	30000	290	ug/Kg	12/14/11		DD	SW 8270
Hexachlorobenzene	ND	290	ug/Kg	12/14/11		DD	SW 8270
Hexachlorobutadiene	ND	290	ug/Kg	12/14/11		DD	SW 8270
Hexachlorocyclopentadiene	ND	290	ug/Kg	12/14/11		DD	SW 8270
Hexachloroethane	ND	290	ug/Kg	12/14/11		DD	SW 8270
Indeno(1,2,3-cd)pyrene	440	290	ug/Kg	12/14/11		DD	SW 8270
Isophorone	ND	290	ug/Kg	12/14/11		DD	SW 8270
Naphthalene	53000	290	ug/Kg	12/14/11		DD	SW 8270
Nitrobenzene	ND	290	ug/Kg	12/14/11		DD	SW 8270
N-Nitrosodimethylamine	ND	420	ug/Kg	12/14/11		DD	SW 8270
N-Nitrosodi-n-propylamine	ND	290	ug/Kg	12/14/11		DD	SW 8270
N-Nitrosodiphenylamine	ND	420	ug/Kg	12/14/11		DD	SW 8270
Pentachloronitrobenzene	ND	420	ug/Kg	12/14/11		DD	SW 8270
Pentachlorophenol	ND	420	ug/Kg	12/14/11		DD	SW 8270
Phenanthrene	66000	290	ug/Kg	12/14/11		DD	SW 8270
Phenol	ND	290	ug/Kg	12/14/11		DD	SW 8270
Pyrene	9800	290	ug/Kg	12/14/11		DD	SW 8270
Pyridine	ND	420	ug/Kg	12/14/11		DD	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	143		%	12/14/11		DD	15 - 130 %
% 2-Fluorobiphenyl	74		%	12/14/11		DD	15 - 130 %
% 2-Fluorophenol	94		%	12/14/11		DD	15 - 130 %
% Nitrobenzene-d5	96		%	12/14/11		DD	15 - 130 %
% Phenol-d5	96		%	12/14/11		DD	15 - 130 %
% Terphenyl-d14	86		%	12/14/11		DD	15 - 130 %

3

Parameter	Result	RL	Units	Date	Time	By	Reference

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

3 = This parameter exceeds laboratory specified limits.

Comments:

*BTU & Sulfur analysis was completed by a CT certified lab PH-0520.

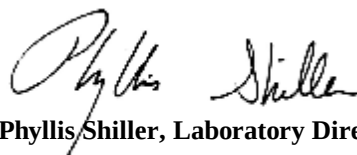
* The surrogate failed method criteria due to sample matrix interference for the semivolatile analysis. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but most closely resembles diesel fuel / fuel #2.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

December 23, 2011



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

December 23, 2011

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: SOIL
Location Code: ARCAD-SY | S WC ES
Rush Request: RUSH##
P.O.#: 10122411

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
12/12/11 15:15
12/13/11 11:39

Laboratory Data

SDG ID: GBB10476
Phoenix ID: BB10477

Project ID: NYSEG-BINGHAMTON COURT ST

Client ID: S-WC #5 ESMI (121211)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.38	0.38	mg/Kg	12/15/11		EK	6010/200.7
Arsenic	5.85	0.76	mg/Kg	12/15/11		EK	6010/200.7
Beryllium	0.65	0.30	mg/Kg	12/15/11		EK	6010/200.7
Cadmium	0.99	0.38	mg/Kg	12/15/11		EK	6010/200.7
Chromium	18.2	0.38	mg/Kg	12/15/11		EK	6010/200.7
Mercury	< 0.10	0.10	mg/Kg	12/14/11		RS	SW-7471
Nickel	30.2	0.38	mg/Kg	12/15/11		EK	6010/200.7
Lead	16.4	0.38	mg/Kg	12/15/11		EK	6010/200.7
Antimony	< 3.8	3.8	mg/Kg	12/15/11		EK	6010/200.7
Selenium	< 1.5	1.5	mg/Kg	12/15/11		EK	6010/200.7
Thallium	< 3.4	3.4	mg/Kg	12/15/11		EK	6010/200.7
Total Metals Digest	Completed			12/13/11		AG	SW846 - 3050
Vanadium	25.0	0.38	mg/Kg	12/15/11		EK	6010/200.7
Zinc	85.4	0.38	mg/Kg	12/15/11		EK	6010/200.7
Percent Solid	80		%	12/13/11		JL	E160.3
Total Cyanide	3.0	0.57	mg/Kg	12/13/11		O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			12/13/11		RB/F	SW3545
Soil Extraction for SVOA	Completed			12/13/11		RB/R	SW3545
Mercury Digestion	Completed			12/14/11			SW7471
BTU Value	BDL	500	BTU/LB	12/16/11		*	ASTMD2015 1
Sulfur	BDL	0.10	%	12/16/11		*	ASTMD4239 1
Gasoline Range Organics	< 20	20	mg/Kg	12/14/11		JRB	8015GRO
Extraction of TPH SM	Completed			12/13/11		RS/F	3545/3550

Polychlorinated Biphenyls

PCB-1016	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1221	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1232	ND	410	ug/Kg	12/14/11		MH	SW 8082

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1242	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1248	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1254	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1260	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1262	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1268	ND	410	ug/Kg	12/14/11		MH	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	93		%	12/14/11		MH	30 - 150 %
% TCMX	94		%	12/14/11		MH	30 - 150 %
<u>TPH by GC (Extractable Products)</u>							
Fuel Oil #2 / Diesel Fuel	**	81	mg/kg	12/14/11		JRB	8015M (C9-C36)
Fuel Oil #4	ND	81	mg/kg	12/14/11		JRB	8015M (C9-C36)
Fuel Oil #6	ND	81	mg/kg	12/14/11		JRB	8015M (C9-C36)
Kerosene	ND	81	mg/kg	12/14/11		JRB	8015M (C9-C36)
Motor Oil	ND	81	mg/kg	12/14/11		JRB	8015M (C9-C36)
Other Oil (Cutting & Lubricating)	ND	81	mg/kg	12/14/11		JRB	8015M (C9-C36)
Unidentified	1000	81	mg/kg	12/14/11		JRB	8015M (C9-C36)
<u>QA/QC Surrogates</u>							
% n-Pentacosane	62		%	12/14/11		JRB	50 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,1,1-Trichloroethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,1,2-Trichloroethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,1-Dichloroethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,1-Dichloroethene	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,1-Dichloropropene	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,2,3-Trichlorobenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,2,3-Trichloropropane	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,2,4-Trichlorobenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,2,4-Trimethylbenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,2-Dichlorobenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,2-Dichloroethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,2-Dichloropropane	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,3,5-Trimethylbenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,3-Dichlorobenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,3-Dichloropropane	ND	310	ug/Kg	12/17/11		R/J	SW8260
1,4-Dichlorobenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
2,2-Dichloropropane	ND	310	ug/Kg	12/17/11		R/J	SW8260
2-Chlorotoluene	ND	310	ug/Kg	12/17/11		R/J	SW8260
2-Hexanone	ND	1600	ug/Kg	12/17/11		R/J	SW8260
2-Isopropyltoluene	ND	310	ug/Kg	12/17/11		R/J	SW8260
4-Chlorotoluene	ND	310	ug/Kg	12/17/11		R/J	SW8260
4-Methyl-2-pentanone	ND	1600	ug/Kg	12/17/11		R/J	SW8260
Acetone	ND	1600	ug/Kg	12/17/11		R/J	SW8260
Acrylonitrile	ND	630	ug/Kg	12/17/11		R/J	SW8260
Benzene	ND	310	ug/Kg	12/17/11		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Bromochloromethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
Bromodichloromethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
Bromoform	ND	310	ug/Kg	12/17/11		R/J	SW8260
Bromomethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
Carbon Disulfide	ND	310	ug/Kg	12/17/11		R/J	SW8260
Carbon tetrachloride	ND	310	ug/Kg	12/17/11		R/J	SW8260
Chlorobenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Chloroethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
Chloroform	ND	310	ug/Kg	12/17/11		R/J	SW8260
Chloromethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
cis-1,2-Dichloroethene	ND	310	ug/Kg	12/17/11		R/J	SW8260
cis-1,3-Dichloropropene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Dibromochloromethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
Dibromoethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
Dibromomethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
Dichlorodifluoromethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
Ethylbenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Hexachlorobutadiene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Isopropylbenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
m&p-Xylene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Methyl Ethyl Ketone	ND	1600	ug/Kg	12/17/11		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	630	ug/Kg	12/17/11		R/J	SW8260
Methylene chloride	ND	310	ug/Kg	12/17/11		R/J	SW8260
Naphthalene	39000	1600	ug/Kg	12/17/11		R/J	SW8260
n-Butylbenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
n-Propylbenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
o-Xylene	ND	310	ug/Kg	12/17/11		R/J	SW8260
p-Isopropyltoluene	ND	310	ug/Kg	12/17/11		R/J	SW8260
sec-Butylbenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Styrene	ND	310	ug/Kg	12/17/11		R/J	SW8260
tert-Butylbenzene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Tetrachloroethene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Tetrahydrofuran (THF)	ND	630	ug/Kg	12/17/11		R/J	SW8260
Toluene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Total Xylenes	ND	310	ug/Kg	12/17/11		R/J	SW8260
trans-1,2-Dichloroethene	ND	310	ug/Kg	12/17/11		R/J	SW8260
trans-1,3-Dichloropropene	ND	310	ug/Kg	12/17/11		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	630	ug/Kg	12/17/11		R/J	SW8260
Trichloroethene	ND	310	ug/Kg	12/17/11		R/J	SW8260
Trichlorofluoromethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
Trichlorotrifluoroethane	ND	310	ug/Kg	12/17/11		R/J	SW8260
Vinyl chloride	ND	310	ug/Kg	12/17/11		R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	12/17/11		R/J	70 - 130 %
% Bromofluorobenzene	100		%	12/17/11		R/J	70 - 130 %
% Dibromofluoromethane	89		%	12/17/11		R/J	70 - 130 %
% Toluene-d8	100		%	12/17/11		R/J	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
1,2,4-Trichlorobenzene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
1,2-Dichlorobenzene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
1,3-Dichlorobenzene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
1,4-Dichlorobenzene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
2,4,5-Trichlorophenol	ND	280	ug/Kg	12/14/11		KCA	SW 8270
2,4,6-Trichlorophenol	ND	280	ug/Kg	12/14/11		KCA	SW 8270
2,4-Dichlorophenol	ND	280	ug/Kg	12/14/11		KCA	SW 8270
2,4-Dimethylphenol	ND	280	ug/Kg	12/14/11		KCA	SW 8270
2,4-Dinitrophenol	ND	650	ug/Kg	12/14/11		KCA	SW 8270
2,4-Dinitrotoluene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
2,6-Dinitrotoluene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
2-Chloronaphthalene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
2-Chlorophenol	ND	280	ug/Kg	12/14/11		KCA	SW 8270
2-Methylnaphthalene	42000	280	ug/Kg	12/14/11		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	280	ug/Kg	12/14/11		KCA	SW 8270
2-Nitroaniline	ND	650	ug/Kg	12/14/11		KCA	SW 8270
2-Nitrophenol	ND	280	ug/Kg	12/14/11		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	410	ug/Kg	12/14/11		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	490	ug/Kg	12/14/11		KCA	SW 8270
3-Nitroaniline	ND	650	ug/Kg	12/14/11		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	12/14/11		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	410	ug/Kg	12/14/11		KCA	SW 8270
4-Chloro-3-methylphenol	ND	280	ug/Kg	12/14/11		KCA	SW 8270
4-Chloroaniline	ND	280	ug/Kg	12/14/11		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	280	ug/Kg	12/14/11		KCA	SW 8270
4-Nitroaniline	ND	650	ug/Kg	12/14/11		KCA	SW 8270
4-Nitrophenol	ND	1200	ug/Kg	12/14/11		KCA	SW 8270
Acenaphthene	30000	280	ug/Kg	12/14/11		KCA	SW 8270
Acenaphthylene	4400	280	ug/Kg	12/14/11		KCA	SW 8270
Acetophenone	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Aniline	ND	1200	ug/Kg	12/14/11		KCA	SW 8270
Anthracene	11000	280	ug/Kg	12/14/11		KCA	SW 8270
Azobenzene	ND	410	ug/Kg	12/14/11		KCA	SW 8270
Benz(a)anthracene	3800	280	ug/Kg	12/14/11		KCA	SW 8270
Benzidine	ND	490	ug/Kg	12/14/11		KCA	SW 8270
Benzo(a)pyrene	2300	280	ug/Kg	12/14/11		KCA	SW 8270
Benzo(b)fluoranthene	2000	280	ug/Kg	12/14/11		KCA	SW 8270
Benzo(ghi)perylene	670	280	ug/Kg	12/14/11		KCA	SW 8270
Benzo(k)fluoranthene	530	280	ug/Kg	12/14/11		KCA	SW 8270
Benzoic acid	ND	1200	ug/Kg	12/14/11		KCA	SW 8270
Benzyl butyl phthalate	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	410	ug/Kg	12/14/11		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Carbazole	ND	610	ug/Kg	12/14/11		KCA	SW 8270
Chrysene	2500	280	ug/Kg	12/14/11		KCA	SW 8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Dibenz(a,h)anthracene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Dibenzofuran	4800	280	ug/Kg	12/14/11		KCA	SW 8270
Diethyl phthalate	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Dimethylphthalate	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Di-n-butylphthalate	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Di-n-octylphthalate	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Fluoranthene	7500	280	ug/Kg	12/14/11		KCA	SW 8270
Fluorene	26000	280	ug/Kg	12/14/11		KCA	SW 8270
Hexachlorobenzene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Hexachlorobutadiene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Hexachlorocyclopentadiene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Hexachloroethane	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	600	280	ug/Kg	12/14/11		KCA	SW 8270
Isophorone	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Naphthalene	49000	280	ug/Kg	12/14/11		KCA	SW 8270
Nitrobenzene	ND	280	ug/Kg	12/14/11		KCA	SW 8270
N-Nitrosodimethylamine	ND	410	ug/Kg	12/14/11		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	280	ug/Kg	12/14/11		KCA	SW 8270
N-Nitrosodiphenylamine	ND	410	ug/Kg	12/14/11		KCA	SW 8270
Pentachloronitrobenzene	ND	410	ug/Kg	12/14/11		KCA	SW 8270
Pentachlorophenol	ND	410	ug/Kg	12/14/11		KCA	SW 8270
Phenanthrene	57000	280	ug/Kg	12/14/11		KCA	SW 8270
Phenol	ND	280	ug/Kg	12/14/11		KCA	SW 8270
Pyrene	11000	280	ug/Kg	12/14/11		KCA	SW 8270
Pyridine	ND	410	ug/Kg	12/14/11		KCA	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	112		%	12/14/11		KCA	15 - 130 %
% 2-Fluorobiphenyl	68		%	12/14/11		KCA	15 - 130 %
% 2-Fluorophenol	85		%	12/14/11		KCA	15 - 130 %
% Nitrobenzene-d5	79		%	12/14/11		KCA	15 - 130 %
% Phenol-d5	86		%	12/14/11		KCA	15 - 130 %
% Terphenyl-d14	72		%	12/14/11		KCA	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

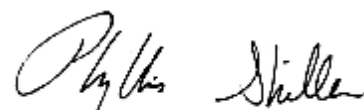
**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but most closely resembles diesel fuel / fuel #2.

*BTU & Sulfur analysis was completed by a CT certified lab PH-0520.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 23, 2011



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

December 23, 2011

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: SOIL
Location Code: ARCAD-SY | S WC ES
Rush Request: RUSH##
P.O.#: 10122411

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
12/12/11 15:30
12/13/11 11:39

Laboratory Data

SDG ID: GBB10476
Phoenix ID: BB10478

Project ID: NYSEG-BINGHAMTON COURT ST

Client ID: S-WC #6 ESMI (121211)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.42	0.42	mg/Kg	12/15/11		EK	6010/200.7
Arsenic	9.39	0.83	mg/Kg	12/15/11		EK	6010/200.7
Beryllium	0.68	0.33	mg/Kg	12/15/11		EK	6010/200.7
Cadmium	1.04	0.42	mg/Kg	12/15/11		EK	6010/200.7
Chromium	18.1	0.42	mg/Kg	12/15/11		EK	6010/200.7
Mercury	< 0.09	0.09	mg/Kg	12/14/11		RS	SW-7471
Nickel	26.0	0.42	mg/Kg	12/15/11		EK	6010/200.7
Lead	16.2	0.42	mg/Kg	12/15/11		EK	6010/200.7
Antimony	< 4.2	4.2	mg/Kg	12/15/11		EK	6010/200.7
Selenium	< 1.7	1.7	mg/Kg	12/15/11		EK	6010/200.7
Thallium	< 3.8	3.8	mg/Kg	12/15/11		EK	6010/200.7
Total Metals Digest	Completed			12/13/11		AG	SW846 - 3050
Vanadium	24.2	0.42	mg/Kg	12/15/11		EK	6010/200.7
Zinc	78.0	0.42	mg/Kg	12/15/11		EK	6010/200.7
Percent Solid	80		%	12/13/11		JL	E160.3
Total Cyanide	4.0	0.63	mg/Kg	12/13/11		O/GD	SW 9010/9012
Soil Extraction for PCB	Completed			12/13/11		RB/F	SW3545
Soil Extraction for SVOA	Completed			12/13/11		RB/R	SW3545
Mercury Digestion	Completed			12/14/11			SW7471
BTU Value	BDL	500	BTU/LB	12/16/11		*	ASTMD2015 1
Sulfur	BDL	0.10	%	12/16/11		*	ASTMD4239 1
Gasoline Range Organics	< 20	20	mg/Kg	12/14/11		JRB	8015GRO
Extraction of TPH SM	Completed			12/13/11		RS/F	3545/3550

Polychlorinated Biphenyls

PCB-1016	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1221	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1232	ND	410	ug/Kg	12/14/11		MH	SW 8082

Parameter	Result	RL	Units	Date	Time	By	Reference
PCB-1242	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1248	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1254	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1260	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1262	ND	410	ug/Kg	12/14/11		MH	SW 8082
PCB-1268	ND	410	ug/Kg	12/14/11		MH	SW 8082
<u>QA/QC Surrogates</u>							
% DCBP	91		%	12/14/11		MH	30 - 150 %
% TCMX	83		%	12/14/11		MH	30 - 150 %
<u>TPH by GC (Extractable Products)</u>							
Fuel Oil #2 / Diesel Fuel	**	82	mg/kg	12/14/11		JRB	8015M (C9-C36)
Fuel Oil #4	ND	82	mg/kg	12/14/11		JRB	8015M (C9-C36)
Fuel Oil #6	ND	82	mg/kg	12/14/11		JRB	8015M (C9-C36)
Kerosene	ND	82	mg/kg	12/14/11		JRB	8015M (C9-C36)
Motor Oil	ND	82	mg/kg	12/14/11		JRB	8015M (C9-C36)
Other Oil (Cutting & Lubricating)	ND	82	mg/kg	12/14/11		JRB	8015M (C9-C36)
Unidentified	890	82	mg/kg	12/14/11		JRB	8015M (C9-C36)
<u>QA/QC Surrogates</u>							
% n-Pentacosane	56		%	12/14/11		JRB	50 - 150 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,1,1-Trichloroethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,1,2,2-Tetrachloroethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,1,2-Trichloroethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,1-Dichloroethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,1-Dichloroethene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,1-Dichloropropene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,2,3-Trichlorobenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,2,3-Trichloropropane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,2,4-Trichlorobenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,2,4-Trimethylbenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,2-Dibromo-3-chloropropane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,2-Dichlorobenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,2-Dichloroethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,2-Dichloropropane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,3,5-Trimethylbenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,3-Dichlorobenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,3-Dichloropropane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
1,4-Dichlorobenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
2,2-Dichloropropane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
2-Chlorotoluene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
2-Hexanone	ND	7800	ug/Kg	12/15/11		R/J	SW8260
2-Isopropyltoluene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
4-Chlorotoluene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
4-Methyl-2-pentanone	ND	7800	ug/Kg	12/15/11		R/J	SW8260
Acetone	ND	7800	ug/Kg	12/15/11		R/J	SW8260
Acrylonitrile	ND	3100	ug/Kg	12/15/11		R/J	SW8260
Benzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260

Parameter	Result	RL	Units	Date	Time	By	Reference
Bromobenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Bromochloromethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Bromodichloromethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Bromoform	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Bromomethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Carbon Disulfide	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Carbon tetrachloride	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Chlorobenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Chloroethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Chloroform	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Chloromethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
cis-1,2-Dichloroethene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
cis-1,3-Dichloropropene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Dibromochloromethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Dibromoethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Dibromomethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Dichlorodifluoromethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Ethylbenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Hexachlorobutadiene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Isopropylbenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
m&p-Xylene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Methyl Ethyl Ketone	ND	7800	ug/Kg	12/15/11		R/J	SW8260
Methyl t-butyl ether (MTBE)	ND	3100	ug/Kg	12/15/11		R/J	SW8260
Methylene chloride	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Naphthalene	57000	3200	ug/Kg	12/15/11		R/J	SW8260
n-Butylbenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
n-Propylbenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
o-Xylene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
p-Isopropyltoluene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
sec-Butylbenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Styrene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
tert-Butylbenzene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Tetrachloroethene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Tetrahydrofuran (THF)	ND	3100	ug/Kg	12/15/11		R/J	SW8260
Toluene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Total Xylenes	ND	1600	ug/Kg	12/15/11		R/J	SW8260
trans-1,2-Dichloroethene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
trans-1,3-Dichloropropene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
trans-1,4-dichloro-2-butene	ND	3100	ug/Kg	12/15/11		R/J	SW8260
Trichloroethene	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Trichlorofluoromethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Trichlorotrifluoroethane	ND	1600	ug/Kg	12/15/11		R/J	SW8260
Vinyl chloride	ND	1600	ug/Kg	12/15/11		R/J	SW8260
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103		%	12/15/11		R/J	70 - 130 %
% Bromofluorobenzene	97		%	12/15/11		R/J	70 - 130 %
% Dibromofluoromethane	102		%	12/15/11		R/J	70 - 130 %
% Toluene-d8	99		%	12/15/11		R/J	70 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Semivolatiles</u>							
1,2,4,5-Tetrachlorobenzene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
1,2,4-Trichlorobenzene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
1,2-Dichlorobenzene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
1,3-Dichlorobenzene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
1,4-Dichlorobenzene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2,4,5-Trichlorophenol	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2,4,6-Trichlorophenol	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2,4-Dichlorophenol	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2,4-Dimethylphenol	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2,4-Dinitrophenol	ND	660	ug/Kg	12/14/11		KCA	SW 8270
2,4-Dinitrotoluene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2,6-Dinitrotoluene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2-Chloronaphthalene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2-Chlorophenol	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2-Methylnaphthalene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2-Methylphenol (o-cresol)	ND	290	ug/Kg	12/14/11		KCA	SW 8270
2-Nitroaniline	ND	660	ug/Kg	12/14/11		KCA	SW 8270
2-Nitrophenol	ND	290	ug/Kg	12/14/11		KCA	SW 8270
3&4-Methylphenol (m&p-cresol)	ND	410	ug/Kg	12/14/11		KCA	SW 8270
3,3'-Dichlorobenzidine	ND	500	ug/Kg	12/14/11		KCA	SW 8270
3-Nitroaniline	ND	660	ug/Kg	12/14/11		KCA	SW 8270
4,6-Dinitro-2-methylphenol	ND	1200	ug/Kg	12/14/11		KCA	SW 8270
4-Bromophenyl phenyl ether	ND	410	ug/Kg	12/14/11		KCA	SW 8270
4-Chloro-3-methylphenol	ND	290	ug/Kg	12/14/11		KCA	SW 8270
4-Chloroaniline	ND	290	ug/Kg	12/14/11		KCA	SW 8270
4-Chlorophenyl phenyl ether	ND	290	ug/Kg	12/14/11		KCA	SW 8270
4-Nitroaniline	ND	660	ug/Kg	12/14/11		KCA	SW 8270
4-Nitrophenol	ND	1200	ug/Kg	12/14/11		KCA	SW 8270
Acenaphthene	11000	290	ug/Kg	12/14/11		KCA	SW 8270
Acenaphthylene	2100	290	ug/Kg	12/14/11		KCA	SW 8270
Acetophenone	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Aniline	ND	1200	ug/Kg	12/14/11		KCA	SW 8270
Anthracene	3800	290	ug/Kg	12/14/11		KCA	SW 8270
Azobenzene	ND	410	ug/Kg	12/14/11		KCA	SW 8270
Benz(a)anthracene	1400	290	ug/Kg	12/14/11		KCA	SW 8270
Benzidine	ND	500	ug/Kg	12/14/11		KCA	SW 8270
Benzo(a)pyrene	790	290	ug/Kg	12/14/11		KCA	SW 8270
Benzo(b)fluoranthene	680	290	ug/Kg	12/14/11		KCA	SW 8270
Benzo(ghi)perylene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Benzo(k)fluoranthene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Benzoic acid	ND	1200	ug/Kg	12/14/11		KCA	SW 8270
Benzyl butyl phthalate	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Bis(2-chloroethoxy)methane	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Bis(2-chloroethyl)ether	ND	410	ug/Kg	12/14/11		KCA	SW 8270
Bis(2-chloroisopropyl)ether	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Bis(2-ethylhexyl)phthalate	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Carbazole	ND	620	ug/Kg	12/14/11		KCA	SW 8270
Chrysene	890	290	ug/Kg	12/14/11		KCA	SW 8270

Parameter	Result	RL	Units	Date	Time	By	Reference
Dibenz(a,h)anthracene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Dibenzofuran	1400	290	ug/Kg	12/14/11		KCA	SW 8270
Diethyl phthalate	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Dimethylphthalate	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Di-n-butylphthalate	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Di-n-octylphthalate	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Fluoranthene	2400	290	ug/Kg	12/14/11		KCA	SW 8270
Fluorene	9600	290	ug/Kg	12/14/11		KCA	SW 8270
Hexachlorobenzene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Hexachlorobutadiene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Hexachlorocyclopentadiene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Hexachloroethane	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Indeno(1,2,3-cd)pyrene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Isophorone	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Naphthalene	16000	290	ug/Kg	12/14/11		KCA	SW 8270
Nitrobenzene	ND	290	ug/Kg	12/14/11		KCA	SW 8270
N-Nitrosodimethylamine	ND	410	ug/Kg	12/14/11		KCA	SW 8270
N-Nitrosodi-n-propylamine	ND	290	ug/Kg	12/14/11		KCA	SW 8270
N-Nitrosodiphenylamine	ND	410	ug/Kg	12/14/11		KCA	SW 8270
Pentachloronitrobenzene	ND	410	ug/Kg	12/14/11		KCA	SW 8270
Pentachlorophenol	ND	410	ug/Kg	12/14/11		KCA	SW 8270
Phenanthrene	21000	290	ug/Kg	12/14/11		KCA	SW 8270
Phenol	ND	290	ug/Kg	12/14/11		KCA	SW 8270
Pyrene	3100	290	ug/Kg	12/14/11		KCA	SW 8270
Pyridine	ND	410	ug/Kg	12/14/11		KCA	SW 8270
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	112		%	12/14/11		KCA	15 - 130 %
% 2-Fluorobiphenyl	75		%	12/14/11		KCA	15 - 130 %
% 2-Fluorophenol	84		%	12/14/11		KCA	15 - 130 %
% Nitrobenzene-d5	75		%	12/14/11		KCA	15 - 130 %
% Phenol-d5	85		%	12/14/11		KCA	15 - 130 %
% Terphenyl-d14	74		%	12/14/11		KCA	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

*BTU & Sulfur analysis was completed by a CT certified lab PH-0520.

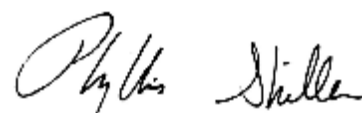
**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but most closely resembles diesel fuel / fuel #2.

Elevated reporting limits for volatiles due to the presence of target and non-target compounds.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 23, 2011



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

December 23, 2011

QA/QC Data

SDG I.D.: GBB10476

Parameter	Blank	Dup RPD	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits
QA/QC Batch 190622, QC Sample No: BB10513 (BB10476, BB10477, BB10478)										
<u>ICP Metals - Soil</u>										
Antimony	BDL	NC	87.8	81.5	7.4	81.3	75.1	7.9	75 - 125	30
Arsenic	BDL	NC	94.8	87.2	8.4	96.6	83.1	15.0	75 - 125	30
Beryllium	BDL	NC	98.4	91.9	6.8	98.6	91.5	7.5	75 - 125	30
Cadmium	BDL	NC	97.5	89.8	8.2	99.6	85.9	14.8	75 - 125	30
Chromium	BDL	0.60	112	96.9	14.5	99.2	93.0	6.5	75 - 125	30
Lead	BDL	39.7	99.5	90.9	9.0	98.5	87.8	11.5	75 - 125	30
Nickel	BDL	12.8	103	96.9	6.1	101	92.2	9.1	75 - 125	30
Selenium	BDL	NC	88.1	81.8	7.4	92.8	78.6	16.6	75 - 125	30
Silver	BDL	NC	99.6	90.3	9.8	96.7	93.7	3.2	75 - 125	30
Thallium	BDL	NC	100	91.3	9.1	96.0	90.2	6.2	75 - 125	30
Vanadium	BDL	0.30	111	103	7.5	99.2	95.0	4.3	75 - 125	30
Zinc	BDL	8.90	96.1	89.3	7.3	98.0	83.6	15.9	75 - 125	30
QA/QC Batch 190684, QC Sample No: BB10668 (BB10476, BB10477, BB10478)										
Mercury - Soil	BDL	NC	81.5	68.2	17.8	97.6	105	7.3	70 - 130	30

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.



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QA/QC Report

December 23, 2011

QA/QC Data

SDG I.D.: GBB10476

Parameter	Blank	Dup	LCS	LCSD	LCS	MS	MS	RPD	%	%
		RPD	%	%	RPD	Rec %	Dup Rec %		Rec Limits	RPD Limits
QA/QC Batch 190552, QC Sample No: BB09299 (BB10476, BB10477, BB10478)										
Total Cyanide	BDL	NC	99.1			97.5			85 - 115	30



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QA/QC Report

December 23, 2011

QA/QC Data

SDG I.D.: GBB10476

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 191149, QC Sample No: BB07359 (BB10476, BB10477, BB10478)										
Volatiles - Soil										
1,1,1,2-Tetrachloroethane	ND	102	99	3.0	96	93	3.2	70 - 130	30	
1,1,1-Trichloroethane	ND	100	102	2.0	98	92	6.3	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	101	95	6.1	100	90	10.5	70 - 130	30	
1,1,2-Trichloroethane	ND	104	99	4.9	99	92	7.3	70 - 130	30	
1,1-Dichloroethane	ND	107	92	15.1	105	82	24.6	70 - 130	30	
1,1-Dichloroethene	ND	95	99	4.1	79	91	14.1	70 - 130	30	
1,1-Dichloropropene	ND	101	100	1.0	98	100	2.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	107	99	7.8	102	105	2.9	70 - 130	30	
1,2,3-Trichloropropane	ND	104	102	1.9	94	94	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	98	91	7.4	99	104	4.9	70 - 130	30	
1,2,4-Trimethylbenzene	ND	100	92	8.3	99	101	2.0	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	109	101	7.6	98	91	7.4	70 - 130	30	
1,2-Dichlorobenzene	ND	99	90	9.5	97	98	1.0	70 - 130	30	
1,2-Dichloroethane	ND	103	102	1.0	98	97	1.0	70 - 130	30	
1,2-Dichloropropane	ND	104	102	1.9	99	96	3.1	70 - 130	30	
1,3,5-Trimethylbenzene	ND	102	94	8.2	99	101	2.0	70 - 130	30	
1,3-Dichlorobenzene	ND	97	89	8.6	99	99	0.0	70 - 130	30	
1,3-Dichloropropane	ND	104	100	3.9	101	93	8.2	70 - 130	30	
1,4-Dichlorobenzene	ND	96	88	8.7	98	98	0.0	70 - 130	30	
2,2-Dichloropropane	ND	100	103	3.0	93	87	6.7	70 - 130	30	
2-Chlorotoluene	ND	98	91	7.4	99	101	2.0	70 - 130	30	
2-Hexanone	ND	107	94	12.9	55	47	15.7	70 - 130	30	m
2-Isopropyltoluene	ND	98	89	9.6	99	104	4.9	70 - 130	30	
4-Chlorotoluene	ND	93	87	6.7	99	98	1.0	70 - 130	30	
4-Methyl-2-pentanone	ND	113	99	13.2	91	80	12.9	70 - 130	30	
Acetone	ND	104	92	12.2	<40	<40	NC	70 - 130	30	m
Acrylonitrile	ND	104	95	9.0	106	87	19.7	70 - 130	30	
Benzene	ND	102	101	1.0	98	97	1.0	70 - 130	30	
Bromobenzene	ND	101	95	6.1	99	99	0.0	70 - 130	30	
Bromochloromethane	ND	104	101	2.9	101	91	10.4	70 - 130	30	
Bromodichloromethane	ND	104	102	1.9	95	94	1.1	70 - 130	30	
Bromoform	ND	109	102	6.6	93	88	5.5	70 - 130	30	
Bromomethane	ND	89	94	5.5	47	67	35.1	70 - 130	30	m,r
Carbon Disulfide	ND	103	107	3.8	79	89	11.9	70 - 130	30	
Carbon tetrachloride	ND	96	102	6.1	89	93	4.4	70 - 130	30	
Chlorobenzene	ND	98	94	4.2	97	97	0.0	70 - 130	30	
Chloroethane	ND	96	102	6.1	<40	<40	NC	70 - 130	30	m
Chloroform	ND	102	97	5.0	100	89	11.6	70 - 130	30	
Chloromethane	ND	98	99	1.0	91	90	1.1	70 - 130	30	
cis-1,2-Dichloroethene	ND	100	103	3.0	98	94	4.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	104	102	1.9	97	93	4.2	70 - 130	30	

QA/QC Data

SDG I.D.: GBB10476

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits	
Dibromochloromethane	ND	102	99	3.0	94	91	3.2	70 - 130	30	
Dibromoethane	ND	105	102	2.9	99	95	4.1	70 - 130	30	
Dibromomethane	ND	101	102	1.0	97	93	4.2	70 - 130	30	
Dichlorodifluoromethane	ND	90	90	0.0	90	91	1.1	70 - 130	30	
Ethylbenzene	ND	101	95	6.1	99	99	0.0	70 - 130	30	
Hexachlorobutadiene	ND	93	81	13.8	100	107	6.8	70 - 130	30	
Isopropylbenzene	ND	98	93	5.2	99	102	3.0	70 - 130	30	
m&p-Xylene	ND	101	94	7.2	98	100	2.0	70 - 130	30	
Methyl ethyl ketone	ND	100	92	8.3	52	44	16.7	70 - 130	30	m
Methyl t-butyl ether (MTBE)	ND	102	98	4.0	97	97	0.0	70 - 130	30	
Methylene chloride	ND	98	103	5.0	79	90	13.0	70 - 130	30	
Naphthalene	ND	105	108	2.8	104	107	2.8	70 - 130	30	
n-Butylbenzene	ND	97	89	8.6	98	104	5.9	70 - 130	30	
n-Propylbenzene	ND	93	84	10.2	99	101	2.0	70 - 130	30	
o-Xylene	ND	101	95	6.1	100	100	0.0	70 - 130	30	
p-Isopropyltoluene	ND	104	93	11.2	101	104	2.9	70 - 130	30	
sec-Butylbenzene	ND	96	87	9.8	100	100	0.0	70 - 130	30	
Styrene	ND	104	97	7.0	100	99	1.0	70 - 130	30	
tert-Butylbenzene	ND	98	91	7.4	99	100	1.0	70 - 130	30	
Tetrachloroethene	ND	96	92	4.3	95	102	7.1	70 - 130	30	
Tetrahydrofuran (THF)	ND	106	91	15.2	105	76	32.0	70 - 130	30	r
Toluene	ND	102	98	4.0	97	96	1.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	98	102	4.0	82	94	13.6	70 - 130	30	
trans-1,3-Dichloropropene	ND	105	100	4.9	94	88	6.6	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	107	100	6.8	91	79	14.1	70 - 130	30	
Trichloroethene	ND	100	98	2.0	95	98	3.1	70 - 130	30	
Trichlorofluoromethane	ND	120	107	11.5	<40	<40	NC	70 - 130	30	m
Trichlorotrifluoroethane	ND	94	101	7.2	82	94	13.6	70 - 130	30	
Vinyl chloride	ND	97	102	5.0	86	89	3.4	70 - 130	30	
% 1,2-dichlorobenzene-d4	99	102	100	2.0	97	98	1.0	70 - 130	30	
% Bromofluorobenzene	99	102	98	4.0	105	99	5.9	70 - 130	30	
% Dibromofluoromethane	97	102	99	3.0	98	89	9.6	70 - 130	30	
% Toluene-d8	101	101	100	1.0	101	99	2.0	70 - 130	30	

QA/QC Batch 190877, QC Sample No: BB09844 (BB10477, BB10478)

Volatiles - Soil

1,1,1,2-Tetrachloroethane	ND	93	94	1.1	87	87	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	85	86	1.2	82	82	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	91	96	5.3	96	96	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	97	101	4.0	88	88	0.0	70 - 130	30	
1,1-Dichloroethane	ND	83	85	2.4	77	77	0.0	70 - 130	30	
1,1-Dichloroethene	ND	83	81	2.4	87	87	0.0	70 - 130	30	
1,1-Dichloropropene	ND	85	84	1.2	81	81	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	91	90	1.1	76	76	0.0	70 - 130	30	
1,2,3-Trichloropropane	ND	95	96	1.0	93	93	0.0	70 - 130	30	
1,2,4-Trichlorobenzene	ND	75	71	5.5	63	63	0.0	70 - 130	30	m
1,2,4-Trimethylbenzene	ND	82	80	2.5	67	67	0.0	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	108	111	2.7	98	98	0.0	70 - 130	30	
1,2-Dichlorobenzene	ND	83	83	0.0	78	78	0.0	70 - 130	30	
1,2-Dichloroethane	ND	91	91	0.0	85	85	0.0	70 - 130	30	
1,2-Dichloropropane	ND	90	91	1.1	84	84	0.0	70 - 130	30	
1,3,5-Trimethylbenzene	ND	84	82	2.4	76	76	0.0	70 - 130	30	
1,3-Dichlorobenzene	ND	77	76	1.3	69	69	0.0	70 - 130	30	m

QA/QC Data

SDG I.D.: GBB10476

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits	
1,3-Dichloropropane	ND	99	100	1.0	89	89	0.0	70 - 130	30	
1,4-Dichlorobenzene	ND	74	74	0.0	69	69	0.0	70 - 130	30	m
2,2-Dichloropropane	ND	80	80	0.0	73	73	0.0	70 - 130	30	
2-Chlorotoluene	ND	81	80	1.2	77	77	0.0	70 - 130	30	
2-Hexanone	ND	73	66	10.1	46	46	0.0	70 - 130	30	I,m
2-Isopropyltoluene	ND	83	81	2.4	83	83	0.0	70 - 130	30	
4-Chlorotoluene	ND	76	74	2.7	51	51	0.0	70 - 130	30	m
4-Methyl-2-pentanone	ND	93	95	2.1	86	86	0.0	70 - 130	30	
Acetone	ND	66	59	11.2	<40	<40	NC	70 - 130	30	I,m
Acrylonitrile	ND	98	101	3.0	90	90	0.0	70 - 130	30	
Benzene	ND	86	86	0.0	81	81	0.0	70 - 130	30	
Bromobenzene	ND	88	88	0.0	81	81	0.0	70 - 130	30	
Bromochloromethane	ND	94	100	6.2	84	84	0.0	70 - 130	30	
Bromodichloromethane	ND	91	93	2.2	85	85	0.0	70 - 130	30	
Bromoform	ND	103	106	2.9	93	93	0.0	70 - 130	30	
Bromomethane	ND	79	82	3.7	79	79	0.0	70 - 130	30	
Carbon Disulfide	ND	88	85	3.5	81	81	0.0	70 - 130	30	
Carbon tetrachloride	ND	85	83	2.4	83	83	0.0	70 - 130	30	
Chlorobenzene	ND	85	85	0.0	80	80	0.0	70 - 130	30	
Chloroethane	ND	82	81	1.2	83	83	0.0	70 - 130	30	
Chloroform	ND	87	88	1.1	81	81	0.0	70 - 130	30	
Chloromethane	ND	80	84	4.9	78	78	0.0	70 - 130	30	
cis-1,2-Dichloroethene	ND	90	94	4.3	81	81	0.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	89	88	1.1	79	79	0.0	70 - 130	30	
Dibromochloromethane	ND	100	101	1.0	92	92	0.0	70 - 130	30	
Dibromoethane	ND	103	102	1.0	93	93	0.0	70 - 130	30	
Dibromomethane	ND	97	98	1.0	88	88	0.0	70 - 130	30	
Dichlorodifluoromethane	ND	76	79	3.9	78	78	0.0	70 - 130	30	
Ethylbenzene	ND	85	85	0.0	80	80	0.0	70 - 130	30	
Hexachlorobutadiene	ND	79	75	5.2	74	74	0.0	70 - 130	30	
Isopropylbenzene	ND	83	83	0.0	82	82	0.0	70 - 130	30	
m&p-Xylene	ND	83	82	1.2	62	62	0.0	70 - 130	30	m
Methyl ethyl ketone	ND	67	63	6.2	<40	<40	NC	70 - 130	30	I,m
Methyl t-butyl ether (MTBE)	ND	97	97	0.0	92	92	0.0	70 - 130	30	
Methylene chloride	ND	96	94	2.1	89	89	0.0	70 - 130	30	
Naphthalene	ND	119	111	7.0	104	104	0.0	70 - 130	30	
n-Butylbenzene	ND	77	71	8.1	68	68	0.0	70 - 130	30	m
n-Propylbenzene	ND	76	75	1.3	76	76	0.0	70 - 130	30	
o-Xylene	ND	89	88	1.1	82	82	0.0	70 - 130	30	
p-Isopropyltoluene	ND	83	80	3.7	43	43	0.0	70 - 130	30	m
sec-Butylbenzene	ND	80	78	2.5	80	80	0.0	70 - 130	30	
Styrene	ND	89	89	0.0	<40	<40	NC	70 - 130	30	m
tert-Butylbenzene	ND	84	82	2.4	82	82	0.0	70 - 130	30	
Tetrachloroethene	ND	81	80	1.2	76	76	0.0	70 - 130	30	
Tetrahydrofuran (THF)	ND	97	104	7.0	94	94	0.0	70 - 130	30	
Toluene	ND	86	85	1.2	78	78	0.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	89	81	9.4	83	83	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	91	90	1.1	82	82	0.0	70 - 130	30	
trans-1,4-dichloro-2-butene	ND	98	97	1.0	85	85	0.0	70 - 130	30	
Trichloroethene	ND	88	87	1.1	79	79	0.0	70 - 130	30	
Trichlorofluoromethane	ND	86	94	8.9	75	75	0.0	70 - 130	30	
Trichlorotrifluoroethane	ND	84	82	2.4	89	89	0.0	70 - 130	30	
Vinyl chloride	ND	80	81	1.2	81	81	0.0	70 - 130	30	

QA/QC Data

SDG I.D.: GBB10476

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits
% 1,2-dichlorobenzene-d4	104	99	100	1.0	100	100	0.0	70 - 130	30
% Bromofluorobenzene	96	100	101	1.0	98	98	0.0	70 - 130	30
% Dibromofluoromethane	105	101	103	2.0	105	105	0.0	70 - 130	30
% Toluene-d8	99	99	98	1.0	99	99	0.0	70 - 130	30

QA/QC Batch 190514, QC Sample No: BB10199 (BB10476, BB10477, BB10478)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	79	90	13.0	102	95	7.1	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	78	90	14.3	101	96	5.1	40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	73	71	72	1.4	79	83	4.9	30 - 150	30
% TCMX (Surrogate Rec)	84	80	81	1.2	77	78	1.3	30 - 150	30

QA/QC Batch 190534, QC Sample No: BB10199 (BB10476, BB10477, BB10478)

TPH by GC (Extractable Products) - Soil

Ext. Petroleum HC	ND	66	60	9.5	62	107	53.3	50 - 150	30
% n-Pentacosane	60	60	76	23.5	74	94	23.8	50 - 150	30

QA/QC Batch 190536, QC Sample No: BB10326 (BB10476, BB10477, BB10478)

Semivolatiles - Soil

1,2,4,5-Tetrachlorobenzene	ND	74	74	0.0				30 - 130	30
1,2,4-Trichlorobenzene	ND	65	65	0.0				30 - 130	30
1,2-Dichlorobenzene	ND	62	63	1.6				30 - 130	30
1,3-Dichlorobenzene	ND	61	61	0.0				30 - 130	30
1,4-Dichlorobenzene	ND	62	62	0.0				30 - 130	30
2,4,5-Trichlorophenol	ND	88	87	1.1				30 - 130	30
2,4,6-Trichlorophenol	ND	88	88	0.0				30 - 130	30
2,4-Dichlorophenol	ND	79	79	0.0				30 - 130	30
2,4-Dimethylphenol	ND	46	46	0.0				30 - 130	30
2,4-Dinitrophenol	ND	31	32	3.2				30 - 130	30
2,4-Dinitrotoluene	ND	77	77	0.0				30 - 130	30
2,6-Dinitrotoluene	ND	80	79	1.3				30 - 130	30
2-Chloronaphthalene	ND	71	72	1.4				30 - 130	30
2-Chlorophenol	ND	66	66	0.0				30 - 130	30
2-Methylnaphthalene	ND	74	74	0.0				30 - 130	30
2-Methylphenol (o-cresol)	ND	64	64	0.0				30 - 130	30
2-Nitroaniline	ND	>150	>150	NC				30 - 130	30
2-Nitrophenol	ND	69	69	0.0				30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	71	72	1.4				30 - 130	30
3,3'-Dichlorobenzidine	ND	68	69	1.5				30 - 130	30
3-Nitroaniline	ND	90	89	1.1				30 - 130	30
4,6-Dinitro-2-methylphenol	ND	59	62	5.0				30 - 130	30
4-Bromophenyl phenyl ether	ND	84	80	4.9				30 - 130	30
4-Chloro-3-methylphenol	ND	81	80	1.2				30 - 130	30
4-Chloroaniline	ND	79	79	0.0				30 - 130	30
4-Chlorophenyl phenyl ether	ND	78	80	2.5				30 - 130	30
4-Nitroaniline	ND	82	81	1.2				30 - 130	30
4-Nitrophenol	ND	72	72	0.0				30 - 130	30

QA/QC Data

SDG I.D.: GBB10476

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS Rec %	MS Dup Rec %	RPD	% Rec Limits	% RPD Limits
Acenaphthene	ND	75	74	1.3				30 - 130	30
Acenaphthylene	ND	73	74	1.4				30 - 130	30
Acetophenone	ND	67	67	0.0				30 - 130	30
Aniline	ND	N/A	N/A	NC				30 - 130	30
Anthracene	ND	84	84	0.0				30 - 130	30
Azobenzene	ND	75	75	0.0				30 - 130	30
Benz(a)anthracene	ND	81	81	0.0				30 - 130	30
Benzidine	ND	100	100	0.0				30 - 130	30
Benzo(a)pyrene	ND	82	82	0.0				30 - 130	30
Benzo(b)fluoranthene	ND	85	86	1.2				30 - 130	30
Benzo(ghi)perylene	ND	69	64	7.5				30 - 130	30
Benzo(k)fluoranthene	ND	85	88	3.5				30 - 130	30
Benzoic acid	ND	N/A	N/A	NC				30 - 130	30
Benzyl butyl phthalate	ND	69	74	7.0				30 - 130	30
Bis(2-chloroethoxy)methane	ND	67	68	1.5				30 - 130	30
Bis(2-chloroethyl)ether	ND	61	62	1.6				30 - 130	30
Bis(2-chloroisopropyl)ether	ND	60	60	0.0				30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	89	91	2.2				30 - 130	30
Carbazole	ND	84	87	3.5				30 - 130	30
Chrysene	ND	98	96	2.1				30 - 130	30
Dibenz(a,h)anthracene	ND	76	70	8.2				30 - 130	30
Dibenzofuran	ND	74	75	1.3				30 - 130	30
Diethyl phthalate	ND	78	79	1.3				30 - 130	30
Dimethylphthalate	ND	78	78	0.0				30 - 130	30
Di-n-butylphthalate	ND	75	74	1.3				30 - 130	30
Di-n-octylphthalate	ND	101	100	1.0				30 - 130	30
Fluoranthene	ND	69	72	4.3				30 - 130	30
Fluorene	ND	80	82	2.5				30 - 130	30
Hexachlorobenzene	ND	79	78	1.3				30 - 130	30
Hexachlorobutadiene	ND	68	70	2.9				30 - 130	30
Hexachlorocyclopentadiene	ND	48	48	0.0				30 - 130	30
Hexachloroethane	ND	59	60	1.7				30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	75	69	8.3				30 - 130	30
Isophorone	ND	55	54	1.8				30 - 130	30
Naphthalene	ND	66	67	1.5				30 - 130	30
Nitrobenzene	ND	66	67	1.5				30 - 130	30
N-Nitrosodimethylamine	ND	52	53	1.9				30 - 130	30
N-Nitrosodi-n-propylamine	ND	66	67	1.5				30 - 130	30
N-Nitrosodiphenylamine	ND	87	88	1.1				30 - 130	30
Pentachloronitrobenzene	ND	86	82	4.8				30 - 130	30
Pentachlorophenol	ND	93	93	0.0				30 - 130	30
Phenanthrene	ND	80	81	1.2				30 - 130	30
Phenol	ND	69	70	1.4				30 - 130	30
Pyrene	ND	68	70	2.9				30 - 130	30
Pyridine	ND	45	46	2.2				30 - 130	30
% 2,4,6-Tribromophenol	94	97	90	7.5				15 - 130	30
% 2-Fluorobiphenyl	70	67	68	1.5				30 - 130	30
% 2-Fluorophenol	70	66	67	1.5				15 - 130	30
% Nitrobenzene-d5	63	59	60	1.7				30 - 130	30
% Phenol-d5	72	69	70	1.4				15 - 130	30
% Terphenyl-d14	74	66	68	3.0				30 - 130	30

Comment:

*The MS/MSD could not be analyzed because of matrix interference. The LCS was within QA/QC criteria.

QA/QC Data

SDG I.D.: GBB10476

Parameter	Blank	LCS	LCSD	LCS	MS	MS	RPD	%	%
		%	%	RPD	Rec %	Dup Rec %		Rec Limits	RPD Limits
QA/QC Batch 190757, QC Sample No: BB10907 (BB10476, BB10477, BB10478)									
<u>Gasoline Range Organics - Soil</u>									
Gasoline Range Organics	BDL	80			58	72	21.5		

l = This parameter is outside laboratory lcs/lcsd specified recovery limits.

m = This parameter is outside laboratory ms/msd specified recovery limits.

r = This parameter is outside laboratory rpd specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

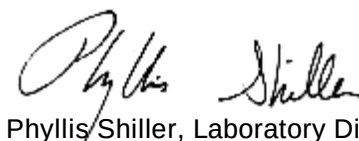
LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria



Phyllis Shiller, Laboratory Director

December 23, 2011



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

December 23, 2011

SDG I.D.: GBB10476

The samples in this delivery group were received at 4C.
(Note acceptance criteria is above freezing up to 6C)



CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823

Client Services (860) 645-8726

Temp 4 of 1

Data Delivery:

☐ Fax # _____
☒ Email: _____

Customer: ARCADIS

Address: 6723 Towpath Rd

Syracuse NY, 13214

Project: NYSEG - Binghamton Court ST

Report to: Jason Brien

Invoice to: Jason Brien

Project P.O.: 10122411

Phone #: 315-671-9114

Fax #:

Client Sample - Information - Identification

Sampler's Signature _____ Date: 12/12/11

Matrix Code:
DW=drinking water
GW=groundwater
WW=wastewater
SL=sludge
S=solid/solid
A=air
O=oil
X=other

Phoenix Sample #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled
10476	S-WC #4 ESMI (121211)	S	12/12/2011	1500
10477	S-WC #5 ESMI (121211)	S	12/12/2011	1500
10478	S-WC #6 ESMI (121211)	S	12/12/2011	1500

Analysis Request

Total VOCs 8260B	2	1	1	1	1	1	2
PCBs 8082	2	1	1	1	1	1	2
Mercury 7471 Metals 8010B	2	1	1	1	1	1	2
Percent Solids D129.64, BTU D240.87							
Sol VOCs 8270C							
GL Soil container () or							
GL Soil container () or							
GL Amber 100ml () As is () HCl							
PL H2SO4 () 250ml () 500ml () 1000ml							
PL HNO3 250ml							
PL H2O 250ml							

Relinquished by: <u>[Signature]</u>	Accepted by: <u>[Signature]</u>	Date: <u>12/13/11</u>	Time: <u>11:37</u>
Comments, Special Requirements or Regulations: 3 Day TAT NOA 8 + 5 per table		State where samples were collected: <u>NY</u>	
Turnaround: ☐ 1 Day* ☐ 2 Days* ☒ 3 Days* ☐ Standard ☐ Other		CT/RI: ☐ RCP Cert ☐ GW Protect ☐ GA Mobility ☐ GB Mobility ☐ SW Protection ☐ Res. Vol. ☐ Ind. Vol. ☐ Res. Criteria ☐ Other	MA: ☐ MCP Certification ☐ GW-1 ☐ GW-2 ☐ GW-3 ☐ S-1 ☐ S-2 ☐ S-3 ☐ MWRA eSMART ☐ Other
Data Format: ☐ Excel ☐ PDF ☐ GIS/Key ☐ EQUIS ☐ Other		Data Package: ☐ ASP-A ☐ NJ Reduced Deliv. * ☐ NJ HazSite EDD ☐ Phoenix Std Report ☐ Other	

Appendix L

Analytical Results for Treated Water
Samples



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

December 15, 2011

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WATER
Location Code: ARCAD-SY | AECOM B
Rush Request: RUSH24
P.O.#: 10122411

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
12/12/11 16:00
12/13/11 10:53

Laboratory Data

SDG ID: GBB10461
Phoenix ID: BB10461

Project ID: NYSEG-BINGHAMTON COURT ST
Client ID: AECOM WATER BATCH #1-2 (121211)

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	12/14/11		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	12/14/11		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	12/14/11		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	12/14/11		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	12/14/11		LK	6010/200.7
Copper	0.005	0.001	mg/L	12/14/11		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	12/14/11		RS	7470/E245.1
Nickel	0.005	0.001	mg/L	12/14/11		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	12/14/11		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	12/14/11		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	12/14/11		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	12/14/11		RS	SW7010/200.9
Total Metals Digestion	Completed			12/13/11		AG	
Zinc	0.069	0.002	mg/L	12/14/11		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	12/14/11		MF/EG	EPA 1664A
pH	6.20	0.10	pH	12/13/11	15:00	EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	12/13/11		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	12/13/11		KDB	SM2540D
Mercury Digestion	Completed			12/14/11			7471/245.1
Semi-Volatile Extraction	Completed			12/14/11		L/L	SW3520

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	12/13/11		H/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	12/13/11		H/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	12/13/11		H/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	12/13/11		H/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	12/13/11		H/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	12/13/11		H/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	45	5.0	ug/L	12/13/11		H/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	12/13/11		H/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	12/13/11		H/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	12/13/11		H/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	12/13/11		H/J	E624
Acrolein	ND	25	ug/L	12/13/11		H/J	E624
Benzene	ND	5.0	ug/L	12/13/11		H/J	E624
Bromodichloromethane	ND	5.0	ug/L	12/13/11		H/J	E624
Bromoform	ND	5.0	ug/L	12/13/11		H/J	E624
Bromomethane	ND	5.0	ug/L	12/13/11		H/J	E624
Carbon tetrachloride	ND	5.0	ug/L	12/13/11		H/J	E624
Chlorobenzene	ND	5.0	ug/L	12/13/11		H/J	E624
Chloroethane	ND	5.0	ug/L	12/13/11		H/J	E624
Chloroform	ND	5.0	ug/L	12/13/11		H/J	E624
Chloromethane	ND	5.0	ug/L	12/13/11		H/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	12/13/11		H/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	12/13/11		H/J	E624
Dibromochloromethane	ND	5.0	ug/L	12/13/11		H/J	E624
Ethylbenzene	ND	5.0	ug/L	12/13/11		H/J	E624
m&p-Xylene	ND	5.0	ug/L	12/13/11		H/J	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	12/13/11		H/J	E624
Methylene chloride	ND	5.0	ug/L	12/13/11		H/J	E624
o-Xylene	ND	5.0	ug/L	12/13/11		H/J	E624
Tetrachloroethene	ND	5.0	ug/L	12/13/11		H/J	E624
Toluene	ND	5.0	ug/L	12/13/11		H/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	12/13/11		H/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	12/13/11		H/J	E624
Trichloroethene	ND	5.0	ug/L	12/13/11		H/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	12/13/11		H/J	E624
Vinyl chloride	ND	5.0	ug/L	12/13/11		H/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103		%	12/13/11		H/J	70 - 130 %
% Bromofluorobenzene	91		%	12/13/11		H/J	70 - 130 %
% Dibromofluoromethane	89		%	12/13/11		H/J	70 - 130 %
% Toluene-d8	100		%	12/13/11		H/J	70 - 130 %
Biphenyl	ND	5.0	ug/L	12/15/11		DD	E625
<u>Base Neutrals & Acid Compounds</u>							
1,2,4-Trichlorobenzene	ND	10	ug/L	12/14/11		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	12/14/11		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	12/14/11		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	12/14/11		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	12/14/11		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	12/14/11		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	12/14/11		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	12/14/11		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	12/14/11		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	12/14/11		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	12/14/11		DD	E625
2-Chloronaphthalene	ND	10	ug/L	12/14/11		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Chlorophenol	ND	10	ug/L	12/14/11		DD	E625
2-Nitrophenol	ND	10	ug/L	12/14/11		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	12/14/11		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	12/14/11		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	12/14/11		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	12/14/11		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	12/14/11		DD	E625
4-Nitrophenol	ND	50	ug/L	12/14/11		DD	E625
Acenaphthene	ND	10	ug/L	12/14/11		DD	E625
Acenaphthylene	ND	10	ug/L	12/14/11		DD	E625
Anthracene	ND	10	ug/L	12/14/11		DD	E625
Benz(a)anthracene	ND	10	ug/L	12/14/11		DD	E625
Benzidine	ND	10	ug/L	12/14/11		DD	E625
Benzo(a)pyrene	ND	10	ug/L	12/14/11		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	12/14/11		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	12/14/11		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	12/14/11		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	12/14/11		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	12/14/11		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	12/14/11		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	12/14/11		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	12/14/11		DD	E625
Chrysene	ND	10	ug/L	12/14/11		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	12/14/11		DD	E625
Diethyl phthalate	ND	10	ug/L	12/14/11		DD	E625
Dimethylphthalate	ND	10	ug/L	12/14/11		DD	E625
Di-n-butylphthalate	ND	10	ug/L	12/14/11		DD	E625
Di-n-octylphthalate	ND	10	ug/L	12/14/11		DD	E625
Fluoranthene	ND	10	ug/L	12/14/11		DD	E625
Fluorene	ND	10	ug/L	12/14/11		DD	E625
Hexachlorobenzene	ND	10	ug/L	12/14/11		DD	E625
Hexachlorobutadiene	ND	10	ug/L	12/14/11		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	12/14/11		DD	E625
Hexachloroethane	ND	10	ug/L	12/14/11		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	12/14/11		DD	E625
Isophorone	ND	10	ug/L	12/14/11		DD	E625
Naphthalene	ND	10	ug/L	12/14/11		DD	E625
Nitrobenzene	ND	10	ug/L	12/14/11		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	12/14/11		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	12/14/11		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	12/14/11		DD	E625
Pentachlorophenol	ND	50	ug/L	12/14/11		DD	E625
Phenanthrene	ND	10	ug/L	12/14/11		DD	E625
Phenol	ND	10	ug/L	12/14/11		DD	E625
Pyrene	ND	10	ug/L	12/14/11		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	144		%	12/14/11		DD	15 - 130 %
% 2-Fluorobiphenyl	77		%	12/14/11		DD	15 - 130 %
% 2-Fluorophenol	56		%	12/14/11		DD	15 - 130 %
% Nitrobenzene-d5	87		%	12/14/11		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Phenol-d5	35		%	12/14/11		DD	15 - 130 %
% Terphenyl-d14	78		%	12/14/11		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.
3 = This parameter exceeds laboratory specified limits.

Comments:

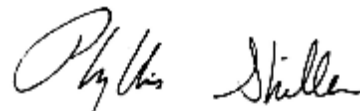
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* The surrogate failed method criteria due to sample matrix interference for the semivolatile analysis. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 15, 2011



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

December 23, 2011

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY | BATCH
Rush Request: RUSH!
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date	Time
12/16/11	14:30
12/17/11	8:58

Laboratory Data

SDG ID: GBB12440
Phoenix ID: BB12443

Project ID:

Client ID: 121611 BATCH 1-3

Parameter	Result	RL	Units	Date	Time	By	Reference
pH	6.72	0.10	pH	12/17/11	9:04	KDB/EG	4500-H B/9040

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	12/18/11		HM	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	12/18/11		HM	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	12/18/11		HM	E624
1,1-Dichloroethane	ND	5.0	ug/L	12/18/11		HM	E624
1,1-Dichloroethene	ND	5.0	ug/L	12/18/11		HM	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	12/18/11		HM	E624
1,2-Dichloroethane	ND	5.0	ug/L	12/18/11		HM	E624
1,2-Dichloropropane	ND	5.0	ug/L	12/18/11		HM	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	12/18/11		HM	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	12/18/11		HM	E624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	12/18/11		HM	E624
Acrolein	ND	25	ug/L	12/18/11		HM	E624
Benzene	ND	5.0	ug/L	12/18/11		HM	E624
Bromodichloromethane	ND	5.0	ug/L	12/18/11		HM	E624
Bromoform	ND	5.0	ug/L	12/18/11		HM	E624
Bromomethane	ND	5.0	ug/L	12/18/11		HM	E624
Carbon tetrachloride	ND	5.0	ug/L	12/18/11		HM	E624
Chlorobenzene	ND	5.0	ug/L	12/18/11		HM	E624
Chloroethane	ND	5.0	ug/L	12/18/11		HM	E624
Chloroform	ND	5.0	ug/L	12/18/11		HM	E624
Chloromethane	ND	5.0	ug/L	12/18/11		HM	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	12/18/11		HM	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	12/18/11		HM	E624
Dibromochloromethane	ND	5.0	ug/L	12/18/11		HM	E624
Ethylbenzene	ND	5.0	ug/L	12/18/11		HM	E624

Project ID:
Client ID: 121611 BATCH 1-3

Phoenix I.D.: BB12443

Parameter	Result	RL	Units	Date	Time	By	Reference
m&p-Xylene	ND	5.0	ug/L	12/18/11		HM	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	12/18/11		HM	E624
Methylene chloride	ND	5.0	ug/L	12/18/11		HM	E624
o-Xylene	ND	5.0	ug/L	12/18/11		HM	E624
Tetrachloroethene	ND	5.0	ug/L	12/18/11		HM	E624
Toluene	ND	5.0	ug/L	12/18/11		HM	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	12/18/11		HM	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	12/18/11		HM	E624
Trichloroethene	ND	5.0	ug/L	12/18/11		HM	E624
Trichlorofluoromethane	ND	5.0	ug/L	12/18/11		HM	E624
Vinyl chloride	ND	5.0	ug/L	12/18/11		HM	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	104		%	12/18/11		HM	70 - 130 %
% Bromofluorobenzene	96		%	12/18/11		HM	70 - 130 %
% Dibromofluoromethane	97		%	12/18/11		HM	70 - 130 %
% Toluene-d8	101		%	12/18/11		HM	70 - 130 %

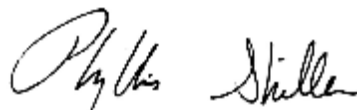
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
December 23, 2011



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

December 27, 2011

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WATER
Location Code: ARCAD-SY | AE BATCH
Rush Request: RUSH#
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date
12/20/11 13:03
12/21/11 9:00

Laboratory Data

SDG ID: GBB13492
Phoenix ID: BB13492

Project ID: NYSEG-BINGHAMTON

Client ID: AE-BATCH2-122011

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	12/22/11		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	12/22/11		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	12/22/11		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	12/22/11		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	12/22/11		LK	6010/200.7
Copper	< 0.001	0.001	mg/L	12/22/11		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	12/22/11		RS	7470/E245.1
Nickel	0.002	0.001	mg/L	12/22/11		LK	6010/200.7
Lead	0.002	0.002	mg/L	12/22/11		LK	6010/200.7
Antimony	< 0.010	0.010	mg/L	12/22/11		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	12/22/11		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	12/22/11		RS	SW7010/200.9
Total Metals Digestion	Completed			12/21/11		AG	
Zinc	0.013	0.002	mg/L	12/22/11		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	12/22/11		MF	EPA 1664A
pH	6.85	0.10	pH	12/22/11	0:49	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	12/21/11		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	12/21/11		KDB	SM2540D
Mercury Digestion	Completed			12/22/11			7471/245.1
Semi-Volatile Extraction	Completed			12/21/11		F/F	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	12/21/11		R/T	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	12/21/11		R/T	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	12/21/11		R/T	E624
1,1-Dichloroethane	ND	5.0	ug/L	12/21/11		R/T	E624
1,1-Dichloroethene	ND	5.0	ug/L	12/21/11		R/T	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	12/21/11		R/T	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	12/21/11		R/T	E624
1,2-Dichloropropane	ND	5.0	ug/L	12/21/11		R/T	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	12/21/11		R/T	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	12/21/11		R/T	E624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	12/21/11		R/T	E624
Acrolein	ND	25	ug/L	12/21/11		R/T	E624
Benzene	ND	5.0	ug/L	12/21/11		R/T	E624
Bromodichloromethane	ND	5.0	ug/L	12/21/11		R/T	E624
Bromoform	ND	5.0	ug/L	12/21/11		R/T	E624
Bromomethane	ND	5.0	ug/L	12/21/11		R/T	E624
Carbon tetrachloride	ND	5.0	ug/L	12/21/11		R/T	E624
Chlorobenzene	ND	5.0	ug/L	12/21/11		R/T	E624
Chloroethane	ND	5.0	ug/L	12/21/11		R/T	E624
Chloroform	ND	5.0	ug/L	12/21/11		R/T	E624
Chloromethane	ND	5.0	ug/L	12/21/11		R/T	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	12/21/11		R/T	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	12/21/11		R/T	E624
Dibromochloromethane	ND	5.0	ug/L	12/21/11		R/T	E624
Ethylbenzene	ND	5.0	ug/L	12/21/11		R/T	E624
m&p-Xylene	12	5.0	ug/L	12/21/11		R/T	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	12/21/11		R/T	E624
Methylene chloride	ND	5.0	ug/L	12/21/11		R/T	E624
o-Xylene	9.3	5.0	ug/L	12/21/11		R/T	E624
Tetrachloroethene	ND	5.0	ug/L	12/21/11		R/T	E624
Toluene	ND	5.0	ug/L	12/21/11		R/T	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	12/21/11		R/T	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	12/21/11		R/T	E624
Trichloroethene	ND	5.0	ug/L	12/21/11		R/T	E624
Trichlorofluoromethane	ND	5.0	ug/L	12/21/11		R/T	E624
Vinyl chloride	ND	5.0	ug/L	12/21/11		R/T	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102		%	12/21/11		R/T	70 - 130 %
% Bromofluorobenzene	96		%	12/21/11		R/T	70 - 130 %
% Dibromofluoromethane	97		%	12/21/11		R/T	70 - 130 %
% Toluene-d8	95		%	12/21/11		R/T	70 - 130 %
Biphenyl	ND	5.0	ug/L	12/22/11		DD	E625
<u>Base Neutrals & Acid Compounds</u>							
1,2,4-Trichlorobenzene	ND	10	ug/L	12/22/11		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	12/22/11		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	12/22/11		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	12/22/11		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	12/22/11		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	12/22/11		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	12/22/11		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	12/22/11		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	12/22/11		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	12/22/11		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	12/22/11		DD	E625
2-Chloronaphthalene	ND	10	ug/L	12/22/11		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Chlorophenol	ND	10	ug/L	12/22/11		DD	E625
2-Nitrophenol	ND	10	ug/L	12/22/11		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	12/22/11		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	12/22/11		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	12/22/11		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	12/22/11		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	12/22/11		DD	E625
4-Nitrophenol	ND	50	ug/L	12/22/11		DD	E625
Acenaphthene	ND	10	ug/L	12/22/11		DD	E625
Acenaphthylene	ND	10	ug/L	12/22/11		DD	E625
Anthracene	ND	10	ug/L	12/22/11		DD	E625
Benz(a)anthracene	ND	10	ug/L	12/22/11		DD	E625
Benzidine	ND	10	ug/L	12/22/11		DD	E625
Benzo(a)pyrene	ND	10	ug/L	12/22/11		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	12/22/11		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	12/22/11		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	12/22/11		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	12/22/11		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	12/22/11		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	12/22/11		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	12/22/11		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	12/22/11		DD	E625
Chrysene	ND	10	ug/L	12/22/11		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	12/22/11		DD	E625
Diethyl phthalate	ND	10	ug/L	12/22/11		DD	E625
Dimethylphthalate	ND	10	ug/L	12/22/11		DD	E625
Di-n-butylphthalate	ND	10	ug/L	12/22/11		DD	E625
Di-n-octylphthalate	ND	10	ug/L	12/22/11		DD	E625
Fluoranthene	ND	10	ug/L	12/22/11		DD	E625
Fluorene	ND	10	ug/L	12/22/11		DD	E625
Hexachlorobenzene	ND	10	ug/L	12/22/11		DD	E625
Hexachlorobutadiene	ND	10	ug/L	12/22/11		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	12/22/11		DD	E625
Hexachloroethane	ND	10	ug/L	12/22/11		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	12/22/11		DD	E625
Isophorone	ND	10	ug/L	12/22/11		DD	E625
Naphthalene	ND	10	ug/L	12/22/11		DD	E625
Nitrobenzene	ND	10	ug/L	12/22/11		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	12/22/11		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	12/22/11		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	12/22/11		DD	E625
Pentachlorophenol	ND	50	ug/L	12/22/11		DD	E625
Phenanthrene	ND	10	ug/L	12/22/11		DD	E625
Phenol	ND	10	ug/L	12/22/11		DD	E625
Pyrene	ND	10	ug/L	12/22/11		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	98		%	12/22/11		DD	15 - 130 %
% 2-Fluorobiphenyl	81		%	12/22/11		DD	15 - 130 %
% 2-Fluorophenol	34		%	12/22/11		DD	15 - 130 %
% Nitrobenzene-d5	78		%	12/22/11		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Phenol-d5	24		%	12/22/11		DD	15 - 130 %
% Terphenyl-d14	79		%	12/22/11		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

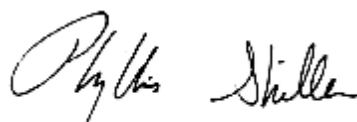
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

December 27, 2011



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

December 30, 2011

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY | AE BATCH
Rush Request: RUSH#
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/23/11 13:30
12/23/11 17:00

Laboratory Data

SDG ID: GBB14857
Phoenix ID: BB14857

Project ID: COURT ST NYSEG SEWER REPLACEMENT

Client ID: AE BATCH 2-2 122311

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	12/28/11		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	12/28/11		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	12/28/11		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	12/28/11		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	12/28/11		LK	6010/200.7
Copper	0.004	0.001	mg/L	12/28/11		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	12/28/11		RS	7470/E245.1
Nickel	0.004	0.001	mg/L	12/28/11		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	12/28/11		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	12/28/11		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	12/28/11		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	12/28/11		RS	SW7010/200.9
Total Metals Digestion	Completed			12/27/11		AG	
Zinc	0.009	0.002	mg/L	12/28/11		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	12/27/11		MF	EPA 1664A
pH	7.49	0.10	pH	12/28/11	2:37	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	12/27/11		GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	12/27/11		KDB	SM2540D
Mercury Digestion	Completed			12/28/11			7471/245.1
Semi-Volatile Extraction	Completed			12/27/11		F/F	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	12/25/11		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	12/25/11		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	12/25/11		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	12/25/11		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	12/25/11		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	12/25/11		R/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	12/25/11		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	12/25/11		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	12/25/11		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	12/25/11		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	12/25/11		R/J	E624
Acrolein	ND	25	ug/L	12/25/11		R/J	E624
Benzene	ND	5.0	ug/L	12/25/11		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	12/25/11		R/J	E624
Bromoform	ND	5.0	ug/L	12/25/11		R/J	E624
Bromomethane	ND	5.0	ug/L	12/25/11		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	12/25/11		R/J	E624
Chlorobenzene	ND	5.0	ug/L	12/25/11		R/J	E624
Chloroethane	ND	5.0	ug/L	12/25/11		R/J	E624
Chloroform	ND	5.0	ug/L	12/25/11		R/J	E624
Chloromethane	ND	5.0	ug/L	12/25/11		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	12/25/11		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	12/25/11		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	12/25/11		R/J	E624
Ethylbenzene	ND	5.0	ug/L	12/25/11		R/J	E624
m&p-Xylene	5.6	5.0	ug/L	12/25/11		R/J	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	12/25/11		R/J	E624
Methylene chloride	ND	5.0	ug/L	12/25/11		R/J	E624
o-Xylene	ND	5.0	ug/L	12/25/11		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	12/25/11		R/J	E624
Toluene	ND	5.0	ug/L	12/25/11		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	12/25/11		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	12/25/11		R/J	E624
Trichloroethene	ND	5.0	ug/L	12/25/11		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	12/25/11		R/J	E624
Vinyl chloride	ND	5.0	ug/L	12/25/11		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	12/25/11		R/J	70 - 130 %
% Bromofluorobenzene	94		%	12/25/11		R/J	70 - 130 %
% Dibromofluoromethane	86		%	12/25/11		R/J	70 - 130 %
% Toluene-d8	97		%	12/25/11		R/J	70 - 130 %
Biphenyl	ND	5.0	ug/L	12/27/11		DD	E625
<u>Base Neutrals & Acid Compounds</u>							
1,2,4-Trichlorobenzene	ND	10	ug/L	12/27/11		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	12/27/11		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	12/27/11		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	12/27/11		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	12/27/11		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	12/27/11		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	12/27/11		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	12/27/11		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	12/27/11		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	12/27/11		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	12/27/11		DD	E625
2-Chloronaphthalene	ND	10	ug/L	12/27/11		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Chlorophenol	ND	10	ug/L	12/27/11		DD	E625
2-Nitrophenol	ND	10	ug/L	12/27/11		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	12/27/11		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	12/27/11		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	12/27/11		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	12/27/11		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	12/27/11		DD	E625
4-Nitrophenol	ND	50	ug/L	12/27/11		DD	E625
Acenaphthene	ND	10	ug/L	12/27/11		DD	E625
Acenaphthylene	ND	10	ug/L	12/27/11		DD	E625
Anthracene	ND	10	ug/L	12/27/11		DD	E625
Benz(a)anthracene	ND	10	ug/L	12/27/11		DD	E625
Benzidine	ND	10	ug/L	12/27/11		DD	E625
Benzo(a)pyrene	ND	10	ug/L	12/27/11		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	12/27/11		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	12/27/11		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	12/27/11		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	12/27/11		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	12/27/11		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	12/27/11		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	12/27/11		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	12/27/11		DD	E625
Chrysene	ND	10	ug/L	12/27/11		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	12/27/11		DD	E625
Diethyl phthalate	ND	10	ug/L	12/27/11		DD	E625
Dimethylphthalate	ND	10	ug/L	12/27/11		DD	E625
Di-n-butylphthalate	ND	10	ug/L	12/27/11		DD	E625
Di-n-octylphthalate	ND	10	ug/L	12/27/11		DD	E625
Fluoranthene	ND	10	ug/L	12/27/11		DD	E625
Fluorene	ND	10	ug/L	12/27/11		DD	E625
Hexachlorobenzene	ND	10	ug/L	12/27/11		DD	E625
Hexachlorobutadiene	ND	10	ug/L	12/27/11		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	12/27/11		DD	E625
Hexachloroethane	ND	10	ug/L	12/27/11		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	12/27/11		DD	E625
Isophorone	ND	10	ug/L	12/27/11		DD	E625
Naphthalene	ND	10	ug/L	12/27/11		DD	E625
Nitrobenzene	ND	10	ug/L	12/27/11		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	12/27/11		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	12/27/11		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	12/27/11		DD	E625
Pentachlorophenol	ND	50	ug/L	12/27/11		DD	E625
Phenanthrene	ND	10	ug/L	12/27/11		DD	E625
Phenol	ND	10	ug/L	12/27/11		DD	E625
Pyrene	ND	10	ug/L	12/27/11		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	43		%	12/27/11		DD	15 - 130 %
% 2-Fluorobiphenyl	62		%	12/27/11		DD	15 - 130 %
% 2-Fluorophenol	39		%	12/27/11		DD	15 - 130 %
% Nitrobenzene-d5	62		%	12/27/11		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Phenol-d5	25		%	12/27/11		DD	15 - 130 %
% Terphenyl-d14	71		%	12/27/11		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

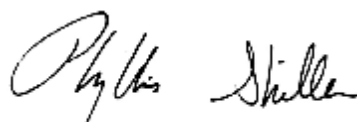
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

December 30, 2011



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

December 30, 2011

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY | AE BATCH
Rush Request: RUSH#
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
12/23/11 15:00
12/23/11 17:00

Laboratory Data

SDG ID: GBB14857
Phoenix ID: BB14858

Project ID: COURT ST NYSEG SEWER REPLACEMENT

Client ID: AE BATCH 3 122311

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	12/28/11		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	12/28/11		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	12/28/11		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	12/28/11		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	12/28/11		LK	6010/200.7
Copper	0.001	0.001	mg/L	12/28/11		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	12/28/11		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	12/28/11		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	12/28/11		LK	6010/200.7
Antimony	0.007	0.005	mg/L	12/28/11		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	12/28/11		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	12/28/11		RS	SW7010/200.9
Total Metals Digestion	Completed			12/27/11		AG	
Zinc	0.007	0.002	mg/L	12/28/11		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	12/27/11		MF	EPA 1664A
pH	7.82	0.10	pH	12/28/11	2:40	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	12/27/11		GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	12/27/11		KDB	SM2540D
Mercury Digestion	Completed			12/28/11			7471/245.1
Semi-Volatile Extraction	Completed			12/27/11		F/F	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	12/26/11		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	12/26/11		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	12/26/11		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	12/26/11		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	12/26/11		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	12/26/11		R/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	12/26/11		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	12/26/11		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	12/26/11		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	12/26/11		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	12/26/11		R/J	E624
Acrolein	ND	25	ug/L	12/26/11		R/J	E624
Benzene	ND	5.0	ug/L	12/26/11		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	12/26/11		R/J	E624
Bromoform	ND	5.0	ug/L	12/26/11		R/J	E624
Bromomethane	ND	5.0	ug/L	12/26/11		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	12/26/11		R/J	E624
Chlorobenzene	ND	5.0	ug/L	12/26/11		R/J	E624
Chloroethane	ND	5.0	ug/L	12/26/11		R/J	E624
Chloroform	ND	5.0	ug/L	12/26/11		R/J	E624
Chloromethane	ND	5.0	ug/L	12/26/11		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	12/26/11		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	12/26/11		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	12/26/11		R/J	E624
Ethylbenzene	ND	5.0	ug/L	12/26/11		R/J	E624
m&p-Xylene	ND	5.0	ug/L	12/26/11		R/J	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	12/26/11		R/J	E624
Methylene chloride	ND	5.0	ug/L	12/26/11		R/J	E624
o-Xylene	ND	5.0	ug/L	12/26/11		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	12/26/11		R/J	E624
Toluene	ND	5.0	ug/L	12/26/11		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	12/26/11		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	12/26/11		R/J	E624
Trichloroethene	ND	5.0	ug/L	12/26/11		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	12/26/11		R/J	E624
Vinyl chloride	ND	5.0	ug/L	12/26/11		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	12/26/11		R/J	70 - 130 %
% Bromofluorobenzene	95		%	12/26/11		R/J	70 - 130 %
% Dibromofluoromethane	86		%	12/26/11		R/J	70 - 130 %
% Toluene-d8	100		%	12/26/11		R/J	70 - 130 %
Biphenyl	ND	5.0	ug/L	12/27/11		DD	E625
<u>Base Neutrals & Acid Compounds</u>							
1,2,4-Trichlorobenzene	ND	10	ug/L	12/27/11		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	12/27/11		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	12/27/11		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	12/27/11		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	12/27/11		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	12/27/11		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	12/27/11		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	12/27/11		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	12/27/11		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	12/27/11		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	12/27/11		DD	E625
2-Chloronaphthalene	ND	10	ug/L	12/27/11		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Chlorophenol	ND	10	ug/L	12/27/11		DD	E625
2-Nitrophenol	ND	10	ug/L	12/27/11		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	12/27/11		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	12/27/11		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	12/27/11		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	12/27/11		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	12/27/11		DD	E625
4-Nitrophenol	ND	50	ug/L	12/27/11		DD	E625
Acenaphthene	ND	10	ug/L	12/27/11		DD	E625
Acenaphthylene	ND	10	ug/L	12/27/11		DD	E625
Anthracene	ND	10	ug/L	12/27/11		DD	E625
Benz(a)anthracene	ND	10	ug/L	12/27/11		DD	E625
Benzidine	ND	10	ug/L	12/27/11		DD	E625
Benzo(a)pyrene	ND	10	ug/L	12/27/11		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	12/27/11		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	12/27/11		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	12/27/11		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	12/27/11		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	12/27/11		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	12/27/11		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	12/27/11		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	12/27/11		DD	E625
Chrysene	ND	10	ug/L	12/27/11		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	12/27/11		DD	E625
Diethyl phthalate	ND	10	ug/L	12/27/11		DD	E625
Dimethylphthalate	ND	10	ug/L	12/27/11		DD	E625
Di-n-butylphthalate	ND	10	ug/L	12/27/11		DD	E625
Di-n-octylphthalate	ND	10	ug/L	12/27/11		DD	E625
Fluoranthene	ND	10	ug/L	12/27/11		DD	E625
Fluorene	ND	10	ug/L	12/27/11		DD	E625
Hexachlorobenzene	ND	10	ug/L	12/27/11		DD	E625
Hexachlorobutadiene	ND	10	ug/L	12/27/11		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	12/27/11		DD	E625
Hexachloroethane	ND	10	ug/L	12/27/11		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	12/27/11		DD	E625
Isophorone	ND	10	ug/L	12/27/11		DD	E625
Naphthalene	ND	10	ug/L	12/27/11		DD	E625
Nitrobenzene	ND	10	ug/L	12/27/11		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	12/27/11		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	12/27/11		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	12/27/11		DD	E625
Pentachlorophenol	ND	50	ug/L	12/27/11		DD	E625
Phenanthrene	ND	10	ug/L	12/27/11		DD	E625
Phenol	ND	10	ug/L	12/27/11		DD	E625
Pyrene	ND	10	ug/L	12/27/11		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	47		%	12/27/11		DD	15 - 130 %
% 2-Fluorobiphenyl	75		%	12/27/11		DD	15 - 130 %
% 2-Fluorophenol	39		%	12/27/11		DD	15 - 130 %
% Nitrobenzene-d5	72		%	12/27/11		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Phenol-d5	24		%	12/27/11		DD	15 - 130 %
% Terphenyl-d14	87		%	12/27/11		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

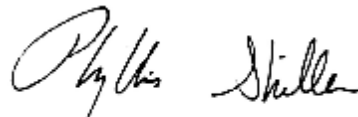
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

December 30, 2011



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 03, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: RUSH24
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
12/27/11 13:45
12/28/11 10:51

Laboratory Data

SDG ID: GBB15405
Phoenix ID: BB15405

Project ID: COURT ST., NYSEG SEWER REPLACEMENT

Client ID: AE-BATCH 4-122711

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	12/28/11		EK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	12/28/11		EK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	12/28/11		EK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	12/28/11		EK	6010/200.7
Chromium	< 0.001	0.001	mg/L	12/28/11		EK	6010/200.7
Copper	< 0.001	0.001	mg/L	12/28/11		EK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	12/29/11		RS	7470/E245.1
Nickel	0.004	0.001	mg/L	12/28/11		EK	6010/200.7
Lead	< 0.004	0.004	mg/L	12/28/11		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	12/28/11		EK	6010/200.7
Selenium	< 0.010	0.010	mg/L	12/28/11		EK	6010/200.7
Thallium	< 0.002	0.002	mg/L	12/29/11		RS	SW7010/200.9
Total Metals Digestion	Completed			12/28/11		AG	
Zinc	0.003	0.002	mg/L	12/28/11		EK	6010/200.7
Oil and Grease by EPA 1664	2.0	1.4	mg/L	12/29/11		MF	EPA 1664A
pH	6.9	0.10	pH	12/29/11	13:25	CL	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	12/28/11		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	12/29/11		KDB	SM2540D
Mercury Digestion	Completed			12/29/11			7471/245.1
Semi-Volatile Extraction	Completed			12/28/11		L/L	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	12/28/11		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	12/28/11		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	12/28/11		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	12/28/11		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	12/28/11		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	12/28/11		R/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	12/28/11		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	12/28/11		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	12/28/11		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	12/28/11		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	12/28/11		R/J	E624
Acrolein	ND	25	ug/L	12/28/11		R/J	E624
Benzene	ND	5.0	ug/L	12/28/11		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	12/28/11		R/J	E624
Bromoform	ND	5.0	ug/L	12/28/11		R/J	E624
Bromomethane	ND	5.0	ug/L	12/28/11		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	12/28/11		R/J	E624
Chlorobenzene	ND	5.0	ug/L	12/28/11		R/J	E624
Chloroethane	ND	5.0	ug/L	12/28/11		R/J	E624
Chloroform	ND	5.0	ug/L	12/28/11		R/J	E624
Chloromethane	ND	5.0	ug/L	12/28/11		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	12/28/11		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	12/28/11		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	12/28/11		R/J	E624
Ethylbenzene	ND	5.0	ug/L	12/28/11		R/J	E624
m&p-Xylene	ND	5.0	ug/L	12/28/11		R/J	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	12/28/11		R/J	E624
Methylene chloride	ND	5.0	ug/L	12/28/11		R/J	E624
o-Xylene	ND	5.0	ug/L	12/28/11		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	12/28/11		R/J	E624
Toluene	ND	5.0	ug/L	12/28/11		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	12/28/11		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	12/28/11		R/J	E624
Trichloroethene	ND	5.0	ug/L	12/28/11		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	12/28/11		R/J	E624
Vinyl chloride	ND	5.0	ug/L	12/28/11		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103		%	12/28/11		R/J	70 - 130 %
% Bromofluorobenzene	95		%	12/28/11		R/J	70 - 130 %
% Dibromofluoromethane	99		%	12/28/11		R/J	70 - 130 %
% Toluene-d8	103		%	12/28/11		R/J	70 - 130 %
Biphenyl	ND	5.0	ug/L	12/28/11		DD	E625
<u>Base Neutrals & Acid Compounds</u>							
1,2,4-Trichlorobenzene	ND	10	ug/L	12/28/11		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	12/28/11		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	12/28/11		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	12/28/11		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	12/28/11		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	12/28/11		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	12/28/11		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	12/28/11		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	12/28/11		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	12/28/11		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	12/28/11		DD	E625
2-Chloronaphthalene	ND	10	ug/L	12/28/11		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Chlorophenol	ND	10	ug/L	12/28/11		DD	E625
2-Nitrophenol	ND	10	ug/L	12/28/11		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	12/28/11		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	12/28/11		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	12/28/11		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	12/28/11		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	12/28/11		DD	E625
4-Nitrophenol	ND	50	ug/L	12/28/11		DD	E625
Acenaphthene	ND	10	ug/L	12/28/11		DD	E625
Acenaphthylene	ND	10	ug/L	12/28/11		DD	E625
Anthracene	ND	10	ug/L	12/28/11		DD	E625
Benz(a)anthracene	ND	10	ug/L	12/28/11		DD	E625
Benzidine	ND	10	ug/L	12/28/11		DD	E625
Benzo(a)pyrene	ND	10	ug/L	12/28/11		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	12/28/11		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	12/28/11		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	12/28/11		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	12/28/11		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	12/28/11		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	12/28/11		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	12/28/11		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	12/28/11		DD	E625
Chrysene	ND	10	ug/L	12/28/11		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	12/28/11		DD	E625
Diethyl phthalate	ND	10	ug/L	12/28/11		DD	E625
Dimethylphthalate	ND	10	ug/L	12/28/11		DD	E625
Di-n-butylphthalate	ND	10	ug/L	12/28/11		DD	E625
Di-n-octylphthalate	ND	10	ug/L	12/28/11		DD	E625
Fluoranthene	ND	10	ug/L	12/28/11		DD	E625
Fluorene	ND	10	ug/L	12/28/11		DD	E625
Hexachlorobenzene	ND	10	ug/L	12/28/11		DD	E625
Hexachlorobutadiene	ND	10	ug/L	12/28/11		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	12/28/11		DD	E625
Hexachloroethane	ND	10	ug/L	12/28/11		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	12/28/11		DD	E625
Isophorone	ND	10	ug/L	12/28/11		DD	E625
Naphthalene	ND	10	ug/L	12/28/11		DD	E625
Nitrobenzene	ND	10	ug/L	12/28/11		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	12/28/11		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	12/28/11		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	12/28/11		DD	E625
Pentachlorophenol	ND	50	ug/L	12/28/11		DD	E625
Phenanthrene	ND	10	ug/L	12/28/11		DD	E625
Phenol	ND	10	ug/L	12/28/11		DD	E625
Pyrene	ND	10	ug/L	12/28/11		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	98		%	12/28/11		DD	15 - 130 %
% 2-Fluorobiphenyl	82		%	12/28/11		DD	15 - 130 %
% 2-Fluorophenol	44		%	12/28/11		DD	15 - 130 %
% Nitrobenzene-d5	82		%	12/28/11		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Phenol-d5	23		%	12/28/11		DD	15 - 130 %
% Terphenyl-d14	80		%	12/28/11		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

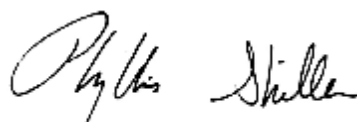
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

January 03, 2012



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

January 06, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: RUSH24
P.O.#: PO #: 4500247677

Custody Information

Collected by: MH
Received by: LB
Analyzed by: see "By" below

Date Time
12/30/11 13:30
12/31/11 10:00

Laboratory Data

SDG ID: GBB16863
Phoenix ID: BB16863

Project ID: COURT ST., - NYSEG SEWER REPLACEMENT

Client ID: AE-BATCH5-123011

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	01/04/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	01/04/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	01/04/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	01/04/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	01/04/12		LK	6010/200.7
Copper	0.012	0.001	mg/L	01/04/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	01/04/12		RS	7470/E245.1
Nickel	0.001	0.001	mg/L	01/04/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	01/04/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	01/04/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	01/04/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	01/04/12		RS	SW7010/200.9
Total Metals Digestion	Completed			01/03/12		AG	
Zinc	0.023	0.002	mg/L	01/04/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	01/03/12		MF/EG	EPA 1664A
pH	7.23	0.10	pH	01/04/12	6:33	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	01/03/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	01/03/12		KDB	SM2540D
Mercury Digestion	Completed			01/04/12			7471/245.1
Semi-Volatile Extraction	Completed			01/03/12		L/L	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	01/03/12		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	01/03/12		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	01/03/12		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	01/03/12		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	01/03/12		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	01/03/12		R/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	01/03/12		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	01/03/12		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	01/03/12		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	01/03/12		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	01/03/12		R/J	E624
Acrolein	ND	25	ug/L	01/03/12		R/J	E624
Benzene	ND	5.0	ug/L	01/03/12		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	01/03/12		R/J	E624
Bromoform	ND	5.0	ug/L	01/03/12		R/J	E624
Bromomethane	ND	5.0	ug/L	01/03/12		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	01/03/12		R/J	E624
Chlorobenzene	ND	5.0	ug/L	01/03/12		R/J	E624
Chloroethane	ND	5.0	ug/L	01/03/12		R/J	E624
Chloroform	ND	5.0	ug/L	01/03/12		R/J	E624
Chloromethane	ND	5.0	ug/L	01/03/12		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	01/03/12		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	01/03/12		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	01/03/12		R/J	E624
Ethylbenzene	ND	5.0	ug/L	01/03/12		R/J	E624
m&p-Xylene	ND	5.0	ug/L	01/03/12		R/J	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/03/12		R/J	E624
Methylene chloride	ND	5.0	ug/L	01/03/12		R/J	E624
o-Xylene	ND	5.0	ug/L	01/03/12		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	01/03/12		R/J	E624
Toluene	ND	5.0	ug/L	01/03/12		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	01/03/12		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	01/03/12		R/J	E624
Trichloroethene	ND	5.0	ug/L	01/03/12		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	01/03/12		R/J	E624
Vinyl chloride	ND	5.0	ug/L	01/03/12		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	01/03/12		R/J	70 - 130 %
% Bromofluorobenzene	96		%	01/03/12		R/J	70 - 130 %
% Dibromofluoromethane	96		%	01/03/12		R/J	70 - 130 %
% Toluene-d8	100		%	01/03/12		R/J	70 - 130 %
Biphenyl	ND	5.0	ug/L	01/03/12		DD	E625
<u>Base Neutrals & Acid Compounds</u>							
1,2,4-Trichlorobenzene	ND	10	ug/L	01/03/12		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	01/03/12		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	01/03/12		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	01/03/12		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	01/03/12		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	01/03/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	01/03/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	01/03/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	01/03/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	01/03/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	01/03/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	01/03/12		DD	E625
2-Chlorophenol	ND	10	ug/L	01/03/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Nitrophenol	ND	10	ug/L	01/03/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	01/03/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	01/03/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	01/03/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	01/03/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	01/03/12		DD	E625
4-Nitrophenol	ND	50	ug/L	01/03/12		DD	E625
Acenaphthene	ND	10	ug/L	01/03/12		DD	E625
Acenaphthylene	ND	10	ug/L	01/03/12		DD	E625
Anthracene	ND	10	ug/L	01/03/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	01/03/12		DD	E625
Benzidine	ND	10	ug/L	01/03/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	01/03/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	01/03/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	01/03/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	01/03/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	01/03/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	01/03/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	01/03/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	01/03/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	01/03/12		DD	E625
Chrysene	ND	10	ug/L	01/03/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	01/03/12		DD	E625
Diethyl phthalate	ND	10	ug/L	01/03/12		DD	E625
Dimethylphthalate	ND	10	ug/L	01/03/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	01/03/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	01/03/12		DD	E625
Fluoranthene	ND	10	ug/L	01/03/12		DD	E625
Fluorene	ND	10	ug/L	01/03/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	01/03/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	01/03/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	01/03/12		DD	E625
Hexachloroethane	ND	10	ug/L	01/03/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	01/03/12		DD	E625
Isophorone	ND	10	ug/L	01/03/12		DD	E625
Naphthalene	ND	10	ug/L	01/03/12		DD	E625
Nitrobenzene	ND	10	ug/L	01/03/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	01/03/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	01/03/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	01/03/12		DD	E625
Pentachlorophenol	ND	50	ug/L	01/03/12		DD	E625
Phenanthrene	ND	10	ug/L	01/03/12		DD	E625
Phenol	ND	10	ug/L	01/03/12		DD	E625
Pyrene	ND	10	ug/L	01/03/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	93		%	01/03/12		DD	15 - 130 %
% 2-Fluorobiphenyl	72		%	01/03/12		DD	15 - 130 %
% 2-Fluorophenol	35		%	01/03/12		DD	15 - 130 %
% Nitrobenzene-d5	63		%	01/03/12		DD	15 - 130 %
% Phenol-d5	19		%	01/03/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	74		%	01/03/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

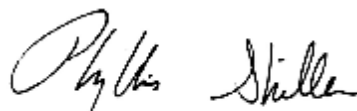
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

January 06, 2012



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 09, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: RUSH24
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
01/03/12 13:00
01/04/12 12:06

Laboratory Data

SDG ID: GBB17473
Phoenix ID: BB17473

Project ID: COURT ST., BINGHAMTON

Client ID: AE-BATCH6-10312

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	01/05/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	01/05/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	01/05/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	01/05/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	01/05/12		LK	6010/200.7
Copper	< 0.001	0.001	mg/L	01/05/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	01/05/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	01/05/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	01/05/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	01/05/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	01/05/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	01/05/12		RS	SW7010/200.9
Total Metals Digestion	Completed			01/04/12		AG	
Zinc	0.005	0.002	mg/L	01/05/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	01/05/12		MF	EPA 1664A
pH	7.09	0.10	pH	01/05/12	11:45	EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	01/04/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	01/04/12		KDB	SM2540D
Mercury Digestion	Completed			01/05/12			7471/245.1
Semi-Volatile Extraction	Completed			01/04/12		L/L	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	01/04/12		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	01/04/12		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	01/04/12		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	01/04/12		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	01/04/12		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	01/04/12		R/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	01/04/12		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	01/04/12		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	01/04/12		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	01/04/12		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	01/04/12		R/J	E624
Acrolein	ND	25	ug/L	01/04/12		R/J	E624
Benzene	ND	5.0	ug/L	01/04/12		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	01/04/12		R/J	E624
Bromoform	ND	5.0	ug/L	01/04/12		R/J	E624
Bromomethane	ND	5.0	ug/L	01/04/12		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	01/04/12		R/J	E624
Chlorobenzene	ND	5.0	ug/L	01/04/12		R/J	E624
Chloroethane	ND	5.0	ug/L	01/04/12		R/J	E624
Chloroform	ND	5.0	ug/L	01/04/12		R/J	E624
Chloromethane	ND	5.0	ug/L	01/04/12		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	01/04/12		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	01/04/12		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	01/04/12		R/J	E624
Ethylbenzene	ND	5.0	ug/L	01/04/12		R/J	E624
m&p-Xylene	10	5.0	ug/L	01/04/12		R/J	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/04/12		R/J	E624
Methylene chloride	ND	5.0	ug/L	01/04/12		R/J	E624
o-Xylene	7.2	5.0	ug/L	01/04/12		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	01/04/12		R/J	E624
Toluene	ND	5.0	ug/L	01/04/12		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	01/04/12		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	01/04/12		R/J	E624
Trichloroethene	ND	5.0	ug/L	01/04/12		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	01/04/12		R/J	E624
Vinyl chloride	ND	5.0	ug/L	01/04/12		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	01/04/12		R/J	70 - 130 %
% Bromofluorobenzene	96		%	01/04/12		R/J	70 - 130 %
% Dibromofluoromethane	98		%	01/04/12		R/J	70 - 130 %
% Toluene-d8	98		%	01/04/12		R/J	70 - 130 %
Biphenyl	ND	5.0	ug/L	01/05/12		DD	E625

1

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	01/05/12		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	01/05/12		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	01/05/12		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	01/05/12		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	01/05/12		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	01/05/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	01/05/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	01/05/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	01/05/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	01/05/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	01/05/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	01/05/12		DD	E625
2-Chlorophenol	ND	10	ug/L	01/05/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Nitrophenol	ND	10	ug/L	01/05/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	01/05/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	01/05/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	01/05/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	01/05/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	01/05/12		DD	E625
4-Nitrophenol	ND	50	ug/L	01/05/12		DD	E625
Acenaphthene	ND	10	ug/L	01/05/12		DD	E625
Acenaphthylene	ND	10	ug/L	01/05/12		DD	E625
Anthracene	ND	10	ug/L	01/05/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	01/05/12		DD	E625
Benzidine	ND	10	ug/L	01/05/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	01/05/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	01/05/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	01/05/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	01/05/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	01/05/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	01/05/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	01/05/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	01/05/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	01/05/12		DD	E625
Chrysene	ND	10	ug/L	01/05/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	01/05/12		DD	E625
Diethyl phthalate	ND	10	ug/L	01/05/12		DD	E625
Dimethylphthalate	ND	10	ug/L	01/05/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	01/05/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	01/05/12		DD	E625
Fluoranthene	ND	10	ug/L	01/05/12		DD	E625
Fluorene	ND	10	ug/L	01/05/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	01/05/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	01/05/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	01/05/12		DD	E625
Hexachloroethane	ND	10	ug/L	01/05/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	01/05/12		DD	E625
Isophorone	ND	10	ug/L	01/05/12		DD	E625
Naphthalene	ND	10	ug/L	01/05/12		DD	E625
Nitrobenzene	ND	10	ug/L	01/05/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	01/05/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	01/05/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	01/05/12		DD	E625
Pentachlorophenol	ND	50	ug/L	01/05/12		DD	E625
Phenanthrene	ND	10	ug/L	01/05/12		DD	E625
Phenol	ND	10	ug/L	01/05/12		DD	E625
Pyrene	ND	10	ug/L	01/05/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	78		%	01/05/12		DD	15 - 130 %
% 2-Fluorobiphenyl	80		%	01/05/12		DD	15 - 130 %
% 2-Fluorophenol	34		%	01/05/12		DD	15 - 130 %
% Nitrobenzene-d5	80		%	01/05/12		DD	15 - 130 %
% Phenol-d5	21		%	01/05/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	100		%	01/05/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

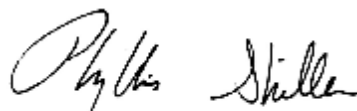
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

January 09, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 11, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: RUSH24
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
01/06/12	12:00
01/07/12	9:55

Laboratory Data

SDG ID: GBB28852
Phoenix ID: BB28852

Project ID: COURT ST., BINGHAMTON

Client ID: AE-BATCH 6-2-010612

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	01/08/12		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	01/08/12		R/J	E624
1,2-Dichloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	01/08/12		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	01/08/12		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	01/08/12		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	01/08/12		R/J	E624
Acrolein	ND	25	ug/L	01/08/12		R/J	E624
Benzene	ND	5.0	ug/L	01/08/12		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	01/08/12		R/J	E624
Bromoform	ND	5.0	ug/L	01/08/12		R/J	E624
Bromomethane	ND	5.0	ug/L	01/08/12		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	01/08/12		R/J	E624
Chlorobenzene	ND	5.0	ug/L	01/08/12		R/J	E624
Chloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
Chloroform	ND	5.0	ug/L	01/08/12		R/J	E624
Chloromethane	ND	5.0	ug/L	01/08/12		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	01/08/12		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	01/08/12		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	01/08/12		R/J	E624
Ethylbenzene	ND	5.0	ug/L	01/08/12		R/J	E624
m&p-Xylene	ND	5.0	ug/L	01/08/12		R/J	E624

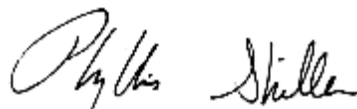
Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/08/12		R/J	E624
Methylene chloride	ND	5.0	ug/L	01/08/12		R/J	E624
o-Xylene	ND	5.0	ug/L	01/08/12		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	01/08/12		R/J	E624
Toluene	ND	5.0	ug/L	01/08/12		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	01/08/12		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	01/08/12		R/J	E624
Trichloroethene	ND	5.0	ug/L	01/08/12		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	01/08/12		R/J	E624
Vinyl chloride	ND	5.0	ug/L	01/08/12		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102		%	01/08/12		R/J	70 - 130 %
% Bromofluorobenzene	96		%	01/08/12		R/J	70 - 130 %
% Dibromofluoromethane	99		%	01/08/12		R/J	70 - 130 %
% Toluene-d8	99		%	01/08/12		R/J	70 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
January 11, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 12, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: RUSH#
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
01/06/12 9:00
01/07/12 9:55

Laboratory Data

SDG ID: GBB28850
Phoenix ID: BB28850

Project ID: COURT ST., BINGHAMTON

Client ID: AE-BATCH 7-010612

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	01/10/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	01/10/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	01/10/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	01/10/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	01/10/12		LK	6010/200.7
Copper	< 0.001	0.001	mg/L	01/10/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	01/09/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	01/10/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	01/10/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	01/10/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	01/10/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	01/10/12		RS	SW7010/200.9
Total Metals Digestion	Completed			01/09/12		AG	
Zinc	< 0.002	0.002	mg/L	01/10/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	01/09/12		MF	EPA 1664A
pH	7.34	0.10	pH	01/10/12	2:06	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	01/08/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	01/09/12		CL/KDB	SM2540D
Mercury Digestion	Completed			01/09/12			7471/245.1
Semi-Volatile Extraction	Completed			01/09/12		F/K	SW3520

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	01/08/12		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	01/08/12		R/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	01/08/12		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	01/08/12		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	01/08/12		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	01/08/12		R/J	E624
Acrolein	ND	25	ug/L	01/08/12		R/J	E624
Benzene	ND	5.0	ug/L	01/08/12		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	01/08/12		R/J	E624
Bromoform	ND	5.0	ug/L	01/08/12		R/J	E624
Bromomethane	ND	5.0	ug/L	01/08/12		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	01/08/12		R/J	E624
Chlorobenzene	ND	5.0	ug/L	01/08/12		R/J	E624
Chloroethane	ND	5.0	ug/L	01/08/12		R/J	E624
Chloroform	ND	5.0	ug/L	01/08/12		R/J	E624
Chloromethane	ND	5.0	ug/L	01/08/12		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	01/08/12		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	01/08/12		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	01/08/12		R/J	E624
Ethylbenzene	ND	5.0	ug/L	01/08/12		R/J	E624
m&p-Xylene	12	5.0	ug/L	01/08/12		R/J	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/08/12		R/J	E624
Methylene chloride	ND	5.0	ug/L	01/08/12		R/J	E624
o-Xylene	8.4	5.0	ug/L	01/08/12		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	01/08/12		R/J	E624
Toluene	ND	5.0	ug/L	01/08/12		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	01/08/12		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	01/08/12		R/J	E624
Trichloroethene	ND	5.0	ug/L	01/08/12		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	01/08/12		R/J	E624
Vinyl chloride	ND	5.0	ug/L	01/08/12		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	01/08/12		R/J	70 - 130 %
% Bromofluorobenzene	95		%	01/08/12		R/J	70 - 130 %
% Dibromofluoromethane	94		%	01/08/12		R/J	70 - 130 %
% Toluene-d8	96		%	01/08/12		R/J	70 - 130 %
Biphenyl	ND	10	ug/L	01/10/12		DD	E625
<u>Base Neutrals & Acid Compounds</u>							
1,2,4-Trichlorobenzene	ND	10	ug/L	01/10/12		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	01/10/12		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	01/10/12		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	01/10/12		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	01/10/12		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	01/10/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	01/10/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	01/10/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	01/10/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	01/10/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	01/10/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	01/10/12		DD	E625
2-Chlorophenol	ND	10	ug/L	01/10/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Nitrophenol	ND	10	ug/L	01/10/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	01/10/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	01/10/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	01/10/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	01/10/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	01/10/12		DD	E625
4-Nitrophenol	ND	50	ug/L	01/10/12		DD	E625
Acenaphthene	ND	10	ug/L	01/10/12		DD	E625
Acenaphthylene	ND	10	ug/L	01/10/12		DD	E625
Anthracene	ND	10	ug/L	01/10/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	01/10/12		DD	E625
Benzidine	ND	10	ug/L	01/10/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	01/10/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	01/10/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	01/10/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	01/10/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	01/10/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	01/10/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	01/10/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	01/10/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	01/10/12		DD	E625
Chrysene	ND	10	ug/L	01/10/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	01/10/12		DD	E625
Diethyl phthalate	ND	10	ug/L	01/10/12		DD	E625
Dimethylphthalate	ND	10	ug/L	01/10/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	01/10/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	01/10/12		DD	E625
Fluoranthene	ND	10	ug/L	01/10/12		DD	E625
Fluorene	ND	10	ug/L	01/10/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	01/10/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	01/10/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	01/10/12		DD	E625
Hexachloroethane	ND	10	ug/L	01/10/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	01/10/12		DD	E625
Isophorone	ND	10	ug/L	01/10/12		DD	E625
Naphthalene	ND	10	ug/L	01/10/12		DD	E625
Nitrobenzene	ND	10	ug/L	01/10/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	01/10/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	01/10/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	01/10/12		DD	E625
Pentachlorophenol	ND	50	ug/L	01/10/12		DD	E625
Phenanthrene	ND	10	ug/L	01/10/12		DD	E625
Phenol	ND	10	ug/L	01/10/12		DD	E625
Pyrene	ND	10	ug/L	01/10/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	61		%	01/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	73		%	01/10/12		DD	15 - 130 %
% 2-Fluorophenol	59		%	01/10/12		DD	15 - 130 %
% Nitrobenzene-d5	71		%	01/10/12		DD	15 - 130 %
% Phenol-d5	65		%	01/10/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	33		%	01/10/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

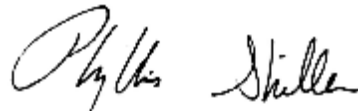
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

January 12, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 18, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: RUSH!
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
01/13/12	12:00
01/14/12	9:34

Laboratory Data

SDG ID: GBB31475
Phoenix ID: BB31475

Project ID: COURT ST., BINGHAMTON

Client ID: AE-BATCH-7-2-011312

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5.0	ug/L	01/15/12		RM	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	01/15/12		RM	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	01/15/12		RM	E624
1,1-Dichloroethane	ND	5.0	ug/L	01/15/12		RM	E624
1,1-Dichloroethene	ND	5.0	ug/L	01/15/12		RM	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	01/15/12		RM	E624
1,2-Dichloroethane	ND	5.0	ug/L	01/15/12		RM	E624
1,2-Dichloropropane	ND	5.0	ug/L	01/15/12		RM	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	01/15/12		RM	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	01/15/12		RM	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	01/15/12		RM	E624
Acrolein	ND	25	ug/L	01/15/12		RM	E624
Benzene	ND	5.0	ug/L	01/15/12		RM	E624
Bromodichloromethane	ND	5.0	ug/L	01/15/12		RM	E624
Bromoform	ND	5.0	ug/L	01/15/12		RM	E624
Bromomethane	ND	5.0	ug/L	01/15/12		RM	E624
Carbon tetrachloride	ND	5.0	ug/L	01/15/12		RM	E624
Chlorobenzene	ND	5.0	ug/L	01/15/12		RM	E624
Chloroethane	ND	5.0	ug/L	01/15/12		RM	E624
Chloroform	ND	5.0	ug/L	01/15/12		RM	E624
Chloromethane	ND	5.0	ug/L	01/15/12		RM	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	01/15/12		RM	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	01/15/12		RM	E624
Dibromochloromethane	ND	5.0	ug/L	01/15/12		RM	E624
Ethylbenzene	ND	5.0	ug/L	01/15/12		RM	E624
m&p-Xylene	ND	5.0	ug/L	01/15/12		RM	E624

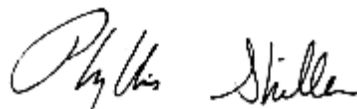
Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/15/12		RM	E624
Methylene chloride	ND	5.0	ug/L	01/15/12		RM	E624
o-Xylene	ND	5.0	ug/L	01/15/12		RM	E624
Tetrachloroethene	ND	5.0	ug/L	01/15/12		RM	E624
Toluene	ND	5.0	ug/L	01/15/12		RM	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	01/15/12		RM	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	01/15/12		RM	E624
Trichloroethene	ND	5.0	ug/L	01/15/12		RM	E624
Trichlorofluoromethane	ND	5.0	ug/L	01/15/12		RM	E624
Vinyl chloride	ND	5.0	ug/L	01/15/12		RM	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102		%	01/15/12		RM	70 - 130 %
% Bromofluorobenzene	95		%	01/15/12		RM	70 - 130 %
% Dibromofluoromethane	110		%	01/15/12		RM	70 - 130 %
% Toluene-d8	99		%	01/15/12		RM	70 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
January 18, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 18, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: RUSH24
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
01/13/12 10:00
01/14/12 9:34

Laboratory Data

SDG ID: GBB31478
Phoenix ID: BB31478

Project ID: COURT ST., BINGHAMTON

Client ID: AE-BATCH 8-011312

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	01/16/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	01/16/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	01/16/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	01/16/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	01/16/12		LK	6010/200.7
Copper	< 0.001	0.001	mg/L	01/16/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	01/17/12		RS	7470/E245.1
Nickel	0.001	0.001	mg/L	01/16/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	01/16/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	01/16/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	01/16/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	01/17/12		RS	SW7010/200.9
Total Metals Digestion	Completed			01/16/12		AG	
Zinc	< 0.002	0.002	mg/L	01/16/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	01/17/12		MF	EPA 1664A
pH	7.83	0.10	pH	01/17/12	1:59	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	01/16/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	01/14/12		CL	SM2540D
Mercury Digestion	Completed			01/17/12			7471/245.1
Semi-Volatile Extraction	Completed			01/16/12		L/L	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	01/15/12		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	01/15/12		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	01/15/12		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	01/15/12		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	01/15/12		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	01/15/12		R/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	01/15/12		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	01/15/12		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	01/15/12		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	01/15/12		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	01/15/12		R/J	E624
Acrolein	ND	25	ug/L	01/15/12		R/J	E624
Benzene	ND	5.0	ug/L	01/15/12		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	01/15/12		R/J	E624
Bromoform	ND	5.0	ug/L	01/15/12		R/J	E624
Bromomethane	ND	5.0	ug/L	01/15/12		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	01/15/12		R/J	E624
Chlorobenzene	ND	5.0	ug/L	01/15/12		R/J	E624
Chloroethane	ND	5.0	ug/L	01/15/12		R/J	E624
Chloroform	ND	5.0	ug/L	01/15/12		R/J	E624
Chloromethane	ND	5.0	ug/L	01/15/12		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	01/15/12		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	01/15/12		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	01/15/12		R/J	E624
Ethylbenzene	ND	5.0	ug/L	01/15/12		R/J	E624
m&p-Xylene	ND	5.0	ug/L	01/15/12		R/J	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/15/12		R/J	E624
Methylene chloride	ND	5.0	ug/L	01/15/12		R/J	E624
o-Xylene	ND	5.0	ug/L	01/15/12		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	01/15/12		R/J	E624
Toluene	ND	5.0	ug/L	01/15/12		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	01/15/12		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	01/15/12		R/J	E624
Trichloroethene	ND	5.0	ug/L	01/15/12		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	01/15/12		R/J	E624
Vinyl chloride	ND	5.0	ug/L	01/15/12		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102		%	01/15/12		R/J	70 - 130 %
% Bromofluorobenzene	95		%	01/15/12		R/J	70 - 130 %
% Dibromofluoromethane	96		%	01/15/12		R/J	70 - 130 %
% Toluene-d8	97		%	01/15/12		R/J	70 - 130 %
Biphenyl	ND	10	ug/L	01/17/12		KCA	E625

1

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	01/17/12		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	01/17/12		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	01/17/12		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	01/17/12		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	01/17/12		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	01/17/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	01/17/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	01/17/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	01/17/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	01/17/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	01/17/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	01/17/12		DD	E625
2-Chlorophenol	ND	10	ug/L	01/17/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Nitrophenol	ND	10	ug/L	01/17/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	01/17/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	01/17/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	01/17/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	01/17/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	01/17/12		DD	E625
4-Nitrophenol	ND	50	ug/L	01/17/12		DD	E625
Acenaphthene	ND	10	ug/L	01/17/12		DD	E625
Acenaphthylene	ND	10	ug/L	01/17/12		DD	E625
Anthracene	ND	10	ug/L	01/17/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	01/17/12		DD	E625
Benzidine	ND	10	ug/L	01/17/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	01/17/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	01/17/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	01/17/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	01/17/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	01/17/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	01/17/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	01/17/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	01/17/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	01/17/12		DD	E625
Chrysene	ND	10	ug/L	01/17/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	01/17/12		DD	E625
Diethyl phthalate	ND	10	ug/L	01/17/12		DD	E625
Dimethylphthalate	ND	10	ug/L	01/17/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	01/17/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	01/17/12		DD	E625
Fluoranthene	ND	10	ug/L	01/17/12		DD	E625
Fluorene	ND	10	ug/L	01/17/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	01/17/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	01/17/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	01/17/12		DD	E625
Hexachloroethane	ND	10	ug/L	01/17/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	01/17/12		DD	E625
Isophorone	ND	10	ug/L	01/17/12		DD	E625
Naphthalene	ND	10	ug/L	01/17/12		DD	E625
Nitrobenzene	ND	10	ug/L	01/17/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	01/17/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	01/17/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	01/17/12		DD	E625
Pentachlorophenol	ND	50	ug/L	01/17/12		DD	E625
Phenanthrene	ND	10	ug/L	01/17/12		DD	E625
Phenol	ND	10	ug/L	01/17/12		DD	E625
Pyrene	ND	10	ug/L	01/17/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	109		%	01/17/12		DD	15 - 130 %
% 2-Fluorobiphenyl	86		%	01/17/12		DD	15 - 130 %
% 2-Fluorophenol	39		%	01/17/12		DD	15 - 130 %
% Nitrobenzene-d5	69		%	01/17/12		DD	15 - 130 %
% Phenol-d5	20		%	01/17/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	106		%	01/17/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

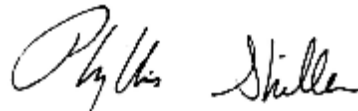
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

January 18, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 24, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
01/18/12 15:00
01/19/12 8:50

Laboratory Data

SDG ID: GBB32794
Phoenix ID: BB32794

Project ID: COURT ST., BINGHAMTON

Client ID: AE-BATCH 9-011812

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	01/20/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	01/20/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	01/20/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	01/20/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	01/20/12		LK	6010/200.7
Copper	< 0.001	0.001	mg/L	01/20/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	01/20/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	01/20/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	01/20/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	01/20/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	01/20/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	01/20/12		RS	SW7010/200.9
Total Metals Digestion	Completed			01/19/12		AG	
Zinc	0.002	0.002	mg/L	01/20/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	01/19/12		MF	EPA 1664A
pH	7.78	0.10	pH	01/20/12	1:19	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	01/19/12		GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	01/19/12		KDB	SM2540D
Mercury Digestion	Completed			01/20/12			7471/245.1
Semi-Volatile Extraction	Completed			01/20/12		D/D	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	01/19/12		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	01/19/12		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	01/19/12		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	01/19/12		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	01/19/12		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	01/19/12		R/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	01/19/12		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	01/19/12		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	01/19/12		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	01/19/12		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	01/19/12		R/J	E624
Acrolein	ND	25	ug/L	01/19/12		R/J	E624
Benzene	ND	5.0	ug/L	01/19/12		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	01/19/12		R/J	E624
Bromoform	ND	5.0	ug/L	01/19/12		R/J	E624
Bromomethane	ND	5.0	ug/L	01/19/12		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	01/19/12		R/J	E624
Chlorobenzene	ND	5.0	ug/L	01/19/12		R/J	E624
Chloroethane	ND	5.0	ug/L	01/19/12		R/J	E624
Chloroform	ND	5.0	ug/L	01/19/12		R/J	E624
Chloromethane	ND	5.0	ug/L	01/19/12		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	01/19/12		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	01/19/12		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	01/19/12		R/J	E624
Ethylbenzene	ND	5.0	ug/L	01/19/12		R/J	E624
m&p-Xylene	ND	5.0	ug/L	01/19/12		R/J	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/19/12		R/J	E624
Methylene chloride	ND	5.0	ug/L	01/19/12		R/J	E624
o-Xylene	ND	5.0	ug/L	01/19/12		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	01/19/12		R/J	E624
Toluene	ND	5.0	ug/L	01/19/12		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	01/19/12		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	01/19/12		R/J	E624
Trichloroethene	ND	5.0	ug/L	01/19/12		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	01/19/12		R/J	E624
Vinyl chloride	ND	5.0	ug/L	01/19/12		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	104		%	01/19/12		R/J	70 - 130 %
% Bromofluorobenzene	93		%	01/19/12		R/J	70 - 130 %
% Dibromofluoromethane	91		%	01/19/12		R/J	70 - 130 %
% Toluene-d8	100		%	01/19/12		R/J	70 - 130 %
Biphenyl	ND	5.0	ug/L	01/20/12		KCA	E625

1

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	01/20/12		KCA	E625
1,2-Dichlorobenzene	ND	10	ug/L	01/20/12		KCA	E625
1,2-Diphenylhydrazine	ND	10	ug/L	01/20/12		KCA	E625
1,3-Dichlorobenzene	ND	10	ug/L	01/20/12		KCA	E625
1,4-Dichlorobenzene	ND	10	ug/L	01/20/12		KCA	E625
2,4,6-Trichlorophenol	ND	10	ug/L	01/20/12		KCA	E625
2,4-Dichlorophenol	ND	10	ug/L	01/20/12		KCA	E625
2,4-Dimethylphenol	ND	10	ug/L	01/20/12		KCA	E625
2,4-Dinitrophenol	ND	50	ug/L	01/20/12		KCA	E625
2,4-Dinitrotoluene	ND	10	ug/L	01/20/12		KCA	E625
2,6-Dinitrotoluene	ND	10	ug/L	01/20/12		KCA	E625
2-Chloronaphthalene	ND	10	ug/L	01/20/12		KCA	E625
2-Chlorophenol	ND	10	ug/L	01/20/12		KCA	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Nitrophenol	ND	10	ug/L	01/20/12		KCA	E625
3,3-Dichlorobenzidine	ND	20	ug/L	01/20/12		KCA	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	01/20/12		KCA	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	01/20/12		KCA	E625
4-Chloro-3-methylphenol	ND	20	ug/L	01/20/12		KCA	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	01/20/12		KCA	E625
4-Nitrophenol	ND	50	ug/L	01/20/12		KCA	E625
Acenaphthene	ND	10	ug/L	01/20/12		KCA	E625
Acenaphthylene	ND	10	ug/L	01/20/12		KCA	E625
Anthracene	ND	10	ug/L	01/20/12		KCA	E625
Benz(a)anthracene	ND	10	ug/L	01/20/12		KCA	E625
Benzidine	ND	10	ug/L	01/20/12		KCA	E625
Benzo(a)pyrene	ND	10	ug/L	01/20/12		KCA	E625
Benzo(b)fluoranthene	ND	10	ug/L	01/20/12		KCA	E625
Benzo(ghi)perylene	ND	10	ug/L	01/20/12		KCA	E625
Benzo(k)fluoranthene	ND	10	ug/L	01/20/12		KCA	E625
Benzyl butyl phthalate	ND	10	ug/L	01/20/12		KCA	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	01/20/12		KCA	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	01/20/12		KCA	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	01/20/12		KCA	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	01/20/12		KCA	E625
Chrysene	ND	10	ug/L	01/20/12		KCA	E625
Dibenz(a,h)anthracene	ND	10	ug/L	01/20/12		KCA	E625
Diethyl phthalate	ND	10	ug/L	01/20/12		KCA	E625
Dimethylphthalate	ND	10	ug/L	01/20/12		KCA	E625
Di-n-butylphthalate	ND	10	ug/L	01/20/12		KCA	E625
Di-n-octylphthalate	ND	10	ug/L	01/20/12		KCA	E625
Fluoranthene	ND	10	ug/L	01/20/12		KCA	E625
Fluorene	ND	10	ug/L	01/20/12		KCA	E625
Hexachlorobenzene	ND	10	ug/L	01/20/12		KCA	E625
Hexachlorobutadiene	ND	10	ug/L	01/20/12		KCA	E625
Hexachlorocyclopentadiene	ND	10	ug/L	01/20/12		KCA	E625
Hexachloroethane	ND	10	ug/L	01/20/12		KCA	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	01/20/12		KCA	E625
Isophorone	ND	10	ug/L	01/20/12		KCA	E625
Naphthalene	ND	10	ug/L	01/20/12		KCA	E625
Nitrobenzene	ND	10	ug/L	01/20/12		KCA	E625
N-Nitrosodimethylamine	ND	10	ug/L	01/20/12		KCA	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	01/20/12		KCA	E625
N-Nitrosodiphenylamine	ND	10	ug/L	01/20/12		KCA	E625
Pentachlorophenol	ND	50	ug/L	01/20/12		KCA	E625
Phenanthrene	ND	10	ug/L	01/20/12		KCA	E625
Phenol	ND	10	ug/L	01/20/12		KCA	E625
Pyrene	ND	10	ug/L	01/20/12		KCA	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	106		%	01/20/12		KCA	15 - 130 %
% 2-Fluorobiphenyl	81		%	01/20/12		KCA	15 - 130 %
% 2-Fluorophenol	31		%	01/20/12		KCA	15 - 130 %
% Nitrobenzene-d5	85		%	01/20/12		KCA	15 - 130 %
% Phenol-d5	15		%	01/20/12		KCA	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	97		%	01/20/12		KCA	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

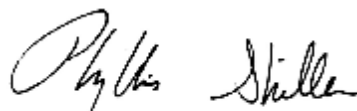
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

January 24, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

January 30, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: LB
Analyzed by: see "By" below

Date Time
01/24/12 16:00
01/25/12 9:08

Laboratory Data

SDG ID: GBB36581
Phoenix ID: BB36581

Project ID: COURT ST., BINGHAMTON, NY

Client ID: AE-BATCH-10-012412

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	01/26/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	01/26/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	01/26/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	01/26/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	01/26/12		LK	6010/200.7
Copper	< 0.005	0.005	mg/L	01/26/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	01/26/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	01/26/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	01/26/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	01/26/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	01/26/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	01/26/12		RS	SW7010/200.9
Total Metals Digestion	Completed			01/25/12		AG	
Zinc	< 0.002	0.002	mg/L	01/26/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	01/26/12		MF	EPA 1664A
pH	7.64	0.10	pH	01/26/12	4:10	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	01/25/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	01/25/12		KDB	SM2540D
Mercury Digestion	Completed			01/26/12			7471/245.1
Semi-Volatile Extraction	Completed			01/25/12		L/L	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	01/25/12		HM	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	01/25/12		HM	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	01/25/12		HM	E624
1,1-Dichloroethane	ND	5.0	ug/L	01/25/12		HM	E624
1,1-Dichloroethene	ND	5.0	ug/L	01/25/12		HM	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	01/25/12		HM	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	01/25/12		HM	E624
1,2-Dichloropropane	ND	5.0	ug/L	01/25/12		HM	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	01/25/12		HM	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	01/25/12		HM	E624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	01/25/12		HM	E624
Acrolein	ND	25	ug/L	01/25/12		HM	E624
Benzene	ND	5.0	ug/L	01/25/12		HM	E624
Bromodichloromethane	ND	5.0	ug/L	01/25/12		HM	E624
Bromoform	ND	5.0	ug/L	01/25/12		HM	E624
Bromomethane	ND	5.0	ug/L	01/25/12		HM	E624
Carbon tetrachloride	ND	5.0	ug/L	01/25/12		HM	E624
Chlorobenzene	ND	5.0	ug/L	01/25/12		HM	E624
Chloroethane	ND	5.0	ug/L	01/25/12		HM	E624
Chloroform	ND	5.0	ug/L	01/25/12		HM	E624
Chloromethane	ND	5.0	ug/L	01/25/12		HM	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	01/25/12		HM	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	01/25/12		HM	E624
Dibromochloromethane	ND	5.0	ug/L	01/25/12		HM	E624
Ethylbenzene	ND	5.0	ug/L	01/25/12		HM	E624
m&p-Xylene	9.1	5.0	ug/L	01/25/12		HM	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/25/12		HM	E624
Methylene chloride	ND	5.0	ug/L	01/25/12		HM	E624
o-Xylene	6.5	5.0	ug/L	01/25/12		HM	E624
Tetrachloroethene	ND	5.0	ug/L	01/25/12		HM	E624
Toluene	ND	5.0	ug/L	01/25/12		HM	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	01/25/12		HM	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	01/25/12		HM	E624
Trichloroethene	ND	5.0	ug/L	01/25/12		HM	E624
Trichlorofluoromethane	ND	5.0	ug/L	01/25/12		HM	E624
Vinyl chloride	ND	5.0	ug/L	01/25/12		HM	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	01/25/12		HM	70 - 130 %
% Bromofluorobenzene	95		%	01/25/12		HM	70 - 130 %
% Dibromofluoromethane	95		%	01/25/12		HM	70 - 130 %
% Toluene-d8	97		%	01/25/12		HM	70 - 130 %
Biphenyl	ND	10	ug/L	01/26/12		KCA	E625

1

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	01/26/12		KCA	E625
1,2-Dichlorobenzene	ND	10	ug/L	01/26/12		KCA	E625
1,2-Diphenylhydrazine	ND	10	ug/L	01/26/12		KCA	E625
1,3-Dichlorobenzene	ND	10	ug/L	01/26/12		KCA	E625
1,4-Dichlorobenzene	ND	10	ug/L	01/26/12		KCA	E625
2,4,6-Trichlorophenol	ND	10	ug/L	01/26/12		KCA	E625
2,4-Dichlorophenol	ND	10	ug/L	01/26/12		KCA	E625
2,4-Dimethylphenol	ND	10	ug/L	01/26/12		KCA	E625
2,4-Dinitrophenol	ND	50	ug/L	01/26/12		KCA	E625
2,4-Dinitrotoluene	ND	10	ug/L	01/26/12		KCA	E625
2,6-Dinitrotoluene	ND	10	ug/L	01/26/12		KCA	E625
2-Chloronaphthalene	ND	10	ug/L	01/26/12		KCA	E625
2-Chlorophenol	ND	10	ug/L	01/26/12		KCA	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Nitrophenol	ND	10	ug/L	01/26/12		KCA	E625
3,3-Dichlorobenzidine	ND	20	ug/L	01/26/12		KCA	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	01/26/12		KCA	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	01/26/12		KCA	E625
4-Chloro-3-methylphenol	ND	20	ug/L	01/26/12		KCA	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	01/26/12		KCA	E625
4-Nitrophenol	ND	50	ug/L	01/26/12		KCA	E625
Acenaphthene	ND	10	ug/L	01/26/12		KCA	E625
Acenaphthylene	ND	10	ug/L	01/26/12		KCA	E625
Anthracene	ND	10	ug/L	01/26/12		KCA	E625
Benz(a)anthracene	ND	10	ug/L	01/26/12		KCA	E625
Benzidine	ND	10	ug/L	01/26/12		KCA	E625
Benzo(a)pyrene	ND	10	ug/L	01/26/12		KCA	E625
Benzo(b)fluoranthene	ND	10	ug/L	01/26/12		KCA	E625
Benzo(ghi)perylene	ND	10	ug/L	01/26/12		KCA	E625
Benzo(k)fluoranthene	ND	10	ug/L	01/26/12		KCA	E625
Benzyl butyl phthalate	ND	10	ug/L	01/26/12		KCA	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	01/26/12		KCA	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	01/26/12		KCA	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	01/26/12		KCA	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	01/26/12		KCA	E625
Chrysene	ND	10	ug/L	01/26/12		KCA	E625
Dibenz(a,h)anthracene	ND	10	ug/L	01/26/12		KCA	E625
Diethyl phthalate	ND	10	ug/L	01/26/12		KCA	E625
Dimethylphthalate	ND	10	ug/L	01/26/12		KCA	E625
Di-n-butylphthalate	ND	10	ug/L	01/26/12		KCA	E625
Di-n-octylphthalate	ND	10	ug/L	01/26/12		KCA	E625
Fluoranthene	ND	10	ug/L	01/26/12		KCA	E625
Fluorene	ND	10	ug/L	01/26/12		KCA	E625
Hexachlorobenzene	ND	10	ug/L	01/26/12		KCA	E625
Hexachlorobutadiene	ND	10	ug/L	01/26/12		KCA	E625
Hexachlorocyclopentadiene	ND	10	ug/L	01/26/12		KCA	E625
Hexachloroethane	ND	10	ug/L	01/26/12		KCA	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	01/26/12		KCA	E625
Isophorone	ND	10	ug/L	01/26/12		KCA	E625
Naphthalene	ND	10	ug/L	01/26/12		KCA	E625
Nitrobenzene	ND	10	ug/L	01/26/12		KCA	E625
N-Nitrosodimethylamine	ND	10	ug/L	01/26/12		KCA	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	01/26/12		KCA	E625
N-Nitrosodiphenylamine	ND	10	ug/L	01/26/12		KCA	E625
Pentachlorophenol	ND	50	ug/L	01/26/12		KCA	E625
Phenanthrene	ND	10	ug/L	01/26/12		KCA	E625
Phenol	ND	10	ug/L	01/26/12		KCA	E625
Pyrene	ND	10	ug/L	01/26/12		KCA	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	98		%	01/26/12		KCA	15 - 130 %
% 2-Fluorobiphenyl	77		%	01/26/12		KCA	15 - 130 %
% 2-Fluorophenol	39		%	01/26/12		KCA	15 - 130 %
% Nitrobenzene-d5	69		%	01/26/12		KCA	15 - 130 %
% Phenol-d5	23		%	01/26/12		KCA	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	102		%	01/26/12		KCA	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

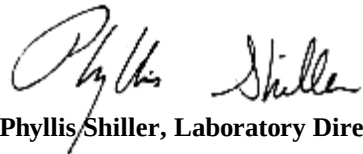
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

January 30, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 06, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: EMF
Received by: LB
Analyzed by: see "By" below

<u>Date</u>	<u>Time</u>
01/31/12	16:00
02/01/12	10:25

Laboratory Data

SDG ID: GBB39041
Phoenix ID: BB39041

Project ID: COURT ST., BINGHAMTON, NY

Client ID: AE-BATCH 10-2-013112

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	02/01/12		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	02/01/12		R/J	E624
1,2-Dichloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	02/01/12		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	02/01/12		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	02/01/12		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	02/01/12		R/J	E624
Acrolein	ND	25	ug/L	02/01/12		R/J	E624
Benzene	ND	5.0	ug/L	02/01/12		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	02/01/12		R/J	E624
Bromoform	ND	5.0	ug/L	02/01/12		R/J	E624
Bromomethane	ND	5.0	ug/L	02/01/12		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	02/01/12		R/J	E624
Chlorobenzene	ND	5.0	ug/L	02/01/12		R/J	E624
Chloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
Chloroform	ND	5.0	ug/L	02/01/12		R/J	E624
Chloromethane	ND	5.0	ug/L	02/01/12		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	02/01/12		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	02/01/12		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	02/01/12		R/J	E624
Ethylbenzene	ND	5.0	ug/L	02/01/12		R/J	E624
m&p-Xylene	ND	5.0	ug/L	02/01/12		R/J	E624

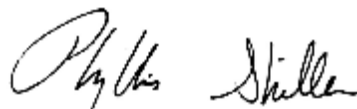
Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	10	ug/L	02/01/12		R/J	E624
Methylene chloride	ND	5.0	ug/L	02/01/12		R/J	E624
o-Xylene	ND	5.0	ug/L	02/01/12		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	02/01/12		R/J	E624
Toluene	ND	5.0	ug/L	02/01/12		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	02/01/12		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	02/01/12		R/J	E624
Trichloroethene	ND	5.0	ug/L	02/01/12		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	02/01/12		R/J	E624
Vinyl chloride	ND	5.0	ug/L	02/01/12		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	02/01/12		R/J	70 - 130 %
% Bromofluorobenzene	96		%	02/01/12		R/J	70 - 130 %
% Dibromofluoromethane	93		%	02/01/12		R/J	70 - 130 %
% Toluene-d8	97		%	02/01/12		R/J	70 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 06, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 02, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: EMF
Received by: LB
Analyzed by: see "By" below

Date Time
01/27/12 15:00
01/28/12 9:30

Laboratory Data

SDG ID: GBB38280
Phoenix ID: BB38280

Project ID: COURT ST., BINGHAMTON, NY

Client ID: AE-BATCH 11-012712

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	01/31/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	01/31/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	01/31/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	01/31/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	01/31/12		LK	6010/200.7
Copper	< 0.005	0.005	mg/L	01/31/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	01/31/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	01/31/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	01/31/12		LK	6010/200.7
Antimony	0.006	0.005	mg/L	01/31/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	01/31/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	01/31/12		RS	SW7010/200.9
Total Metals Digestion	Completed			01/30/12		AG	
Zinc	0.003	0.002	mg/L	01/31/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	01/31/12		MF	EPA 1664A
pH	7.16	0.10	pH	01/28/12	10:00	KDB/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	01/28/12		o/gd	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	01/30/12		CL	SM2540D
Mercury Digestion	Completed			01/31/12			7471/245.1
Semi-Volatile Extraction	Completed			01/30/12		F/F	SW3510
Biphenyl	ND	5.0	ug/L	01/31/12		KCA	E625

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	01/31/12		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	01/31/12		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	01/31/12		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	01/31/12		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	01/31/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2,4,6-Trichlorophenol	ND	10	ug/L	01/31/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	01/31/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	01/31/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	01/31/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	01/31/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	01/31/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	01/31/12		DD	E625
2-Chlorophenol	ND	10	ug/L	01/31/12		DD	E625
2-Nitrophenol	ND	10	ug/L	01/31/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	01/31/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	01/31/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	01/31/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	01/31/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	01/31/12		DD	E625
4-Nitrophenol	ND	50	ug/L	01/31/12		DD	E625
Acenaphthene	ND	10	ug/L	01/31/12		DD	E625
Acenaphthylene	ND	10	ug/L	01/31/12		DD	E625
Anthracene	ND	10	ug/L	01/31/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	01/31/12		DD	E625
Benzidine	ND	10	ug/L	01/31/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	01/31/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	01/31/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	01/31/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	01/31/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	01/31/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	01/31/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	01/31/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	01/31/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	01/31/12		DD	E625
Chrysene	ND	10	ug/L	01/31/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	01/31/12		DD	E625
Diethyl phthalate	ND	10	ug/L	01/31/12		DD	E625
Dimethylphthalate	ND	10	ug/L	01/31/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	01/31/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	01/31/12		DD	E625
Fluoranthene	ND	10	ug/L	01/31/12		DD	E625
Fluorene	ND	10	ug/L	01/31/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	01/31/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	01/31/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	01/31/12		DD	E625
Hexachloroethane	ND	10	ug/L	01/31/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	01/31/12		DD	E625
Isophorone	ND	10	ug/L	01/31/12		DD	E625
Naphthalene	ND	10	ug/L	01/31/12		DD	E625
Nitrobenzene	ND	10	ug/L	01/31/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	01/31/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	01/31/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	01/31/12		DD	E625
Pentachlorophenol	ND	50	ug/L	01/31/12		DD	E625
Phenanthrene	ND	10	ug/L	01/31/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
Phenol	ND	10	ug/L	01/31/12		DD	E625
Pyrene	ND	10	ug/L	01/31/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	107		%	01/31/12		DD	15 - 130 %
% 2-Fluorobiphenyl	80		%	01/31/12		DD	15 - 130 %
% 2-Fluorophenol	34		%	01/31/12		DD	15 - 130 %
% Nitrobenzene-d5	75		%	01/31/12		DD	15 - 130 %
% Phenol-d5	22		%	01/31/12		DD	15 - 130 %
% Terphenyl-d14	91		%	01/31/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

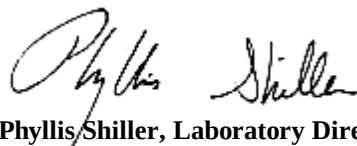
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 02, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 01, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: Same Day
P.O.#: PO #: 4500247677

Custody Information

Collected by: MF
Received by: LB
Analyzed by: see "By" below

Date	Time
01/27/12	15:00
01/28/12	9:30

Laboratory Data

SDG ID: GBB38281
Phoenix ID: BB38281

Project ID: COURT ST., BINGHAMTON, NY

Client ID: AE-BATCH 11-012712

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5.0	ug/L	01/28/12		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	01/28/12		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	01/28/12		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	01/28/12		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	01/28/12		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	01/28/12		R/J	E624
1,2-Dichloroethane	ND	5.0	ug/L	01/28/12		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	01/28/12		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	01/28/12		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	01/28/12		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	01/28/12		R/J	E624
Acrolein	ND	25	ug/L	01/28/12		R/J	E624
Benzene	ND	5.0	ug/L	01/28/12		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	01/28/12		R/J	E624
Bromoform	ND	5.0	ug/L	01/28/12		R/J	E624
Bromomethane	ND	5.0	ug/L	01/28/12		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	01/28/12		R/J	E624
Chlorobenzene	ND	5.0	ug/L	01/28/12		R/J	E624
Chloroethane	ND	5.0	ug/L	01/28/12		R/J	E624
Chloroform	ND	5.0	ug/L	01/28/12		R/J	E624
Chloromethane	ND	5.0	ug/L	01/28/12		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	01/28/12		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	01/28/12		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	01/28/12		R/J	E624
Ethylbenzene	ND	5.0	ug/L	01/28/12		R/J	E624
m&p-Xylene	7.3	5.0	ug/L	01/28/12		R/J	E624

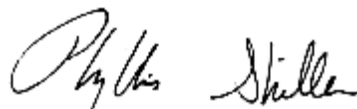
Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	10	ug/L	01/28/12		R/J	E624
Methylene chloride	ND	5.0	ug/L	01/28/12		R/J	E624
o-Xylene	5.0	5.0	ug/L	01/28/12		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	01/28/12		R/J	E624
Toluene	ND	5.0	ug/L	01/28/12		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	01/28/12		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	01/28/12		R/J	E624
Trichloroethene	ND	5.0	ug/L	01/28/12		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	01/28/12		R/J	E624
Vinyl chloride	ND	5.0	ug/L	01/28/12		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	101		%	01/28/12		R/J	70 - 130 %
% Bromofluorobenzene	96		%	01/28/12		R/J	70 - 130 %
% Dibromofluoromethane	98		%	01/28/12		R/J	70 - 130 %
% Toluene-d8	97		%	01/28/12		R/J	70 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 01, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 06, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: EMF
Received by: LB
Analyzed by: see "By" below

Date Time
01/31/12 13:00
02/01/12 10:25

Laboratory Data

SDG ID: GBB39041
Phoenix ID: BB39042

Project ID: COURT ST., BINGHAMTON, NY

Client ID: AE-BATCH 12-013112

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	02/01/12		EK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	02/01/12		EK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	02/01/12		EK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	02/01/12		EK	6010/200.7
Chromium	< 0.001	0.001	mg/L	02/01/12		EK	6010/200.7
Copper	< 0.005	0.005	mg/L	02/01/12		EK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	02/02/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	02/01/12		EK	6010/200.7
Lead	< 0.002	0.002	mg/L	02/01/12		EK	6010/200.7
Antimony	< 0.005	0.005	mg/L	02/01/12		EK	6010/200.7
Selenium	< 0.010	0.010	mg/L	02/01/12		EK	6010/200.7
Thallium	< 0.002	0.002	mg/L	02/02/12		RS	SW7010/200.9
Total Metals Digestion	Completed			02/01/12		AG	
Zinc	0.097	0.002	mg/L	02/01/12		EK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	02/02/12		MF	EPA 1664A
pH	7.69	0.10	pH	02/02/12	2:58	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	02/01/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	02/01/12		KDB	SM2540D
Mercury Digestion	Completed			02/02/12		D	7471/245.1
Semi-Volatile Extraction	Completed			02/01/12		L/L	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	02/01/12		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	02/01/12		R/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	02/01/12		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	02/01/12		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	02/01/12		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	02/01/12		R/J	E624
Acrolein	ND	25	ug/L	02/01/12		R/J	E624
Benzene	ND	5.0	ug/L	02/01/12		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	02/01/12		R/J	E624
Bromoform	ND	5.0	ug/L	02/01/12		R/J	E624
Bromomethane	ND	5.0	ug/L	02/01/12		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	02/01/12		R/J	E624
Chlorobenzene	ND	5.0	ug/L	02/01/12		R/J	E624
Chloroethane	ND	5.0	ug/L	02/01/12		R/J	E624
Chloroform	ND	5.0	ug/L	02/01/12		R/J	E624
Chloromethane	ND	5.0	ug/L	02/01/12		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	02/01/12		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	02/01/12		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	02/01/12		R/J	E624
Ethylbenzene	ND	5.0	ug/L	02/01/12		R/J	E624
m&p-Xylene	ND	5.0	ug/L	02/01/12		R/J	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	02/01/12		R/J	E624
Methylene chloride	ND	5.0	ug/L	02/01/12		R/J	E624
o-Xylene	ND	5.0	ug/L	02/01/12		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	02/01/12		R/J	E624
Toluene	ND	5.0	ug/L	02/01/12		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	02/01/12		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	02/01/12		R/J	E624
Trichloroethene	ND	5.0	ug/L	02/01/12		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	02/01/12		R/J	E624
Vinyl chloride	ND	5.0	ug/L	02/01/12		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	102		%	02/01/12		R/J	70 - 130 %
% Bromofluorobenzene	97		%	02/01/12		R/J	70 - 130 %
% Dibromofluoromethane	101		%	02/01/12		R/J	70 - 130 %
% Toluene-d8	98		%	02/01/12		R/J	70 - 130 %
Biphenyl	ND	10	ug/L	02/02/12		KCA	E625

1

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	02/01/12		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	02/01/12		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	02/01/12		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	02/01/12		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	02/01/12		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	02/01/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	02/01/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	02/01/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	02/01/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	02/01/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	02/01/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	02/01/12		DD	E625
2-Chlorophenol	ND	10	ug/L	02/01/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Nitrophenol	ND	10	ug/L	02/01/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	02/01/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	02/01/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	02/01/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	02/01/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	02/01/12		DD	E625
4-Nitrophenol	ND	50	ug/L	02/01/12		DD	E625
Acenaphthene	ND	10	ug/L	02/01/12		DD	E625
Acenaphthylene	ND	10	ug/L	02/01/12		DD	E625
Anthracene	ND	10	ug/L	02/01/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	02/01/12		DD	E625
Benzidine	ND	10	ug/L	02/01/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	02/01/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	02/01/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	02/01/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	02/01/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	02/01/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	02/01/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	02/01/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	02/01/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	02/01/12		DD	E625
Chrysene	ND	10	ug/L	02/01/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	02/01/12		DD	E625
Diethyl phthalate	ND	10	ug/L	02/01/12		DD	E625
Dimethylphthalate	ND	10	ug/L	02/01/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	02/01/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	02/01/12		DD	E625
Fluoranthene	ND	10	ug/L	02/01/12		DD	E625
Fluorene	ND	10	ug/L	02/01/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	02/01/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	02/01/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	02/01/12		DD	E625
Hexachloroethane	ND	10	ug/L	02/01/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	02/01/12		DD	E625
Isophorone	ND	10	ug/L	02/01/12		DD	E625
Naphthalene	ND	10	ug/L	02/01/12		DD	E625
Nitrobenzene	ND	10	ug/L	02/01/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	02/01/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	02/01/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	02/01/12		DD	E625
Pentachlorophenol	ND	50	ug/L	02/01/12		DD	E625
Phenanthrene	ND	10	ug/L	02/01/12		DD	E625
Phenol	ND	10	ug/L	02/01/12		DD	E625
Pyrene	ND	10	ug/L	02/01/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	95		%	02/01/12		DD	15 - 130 %
% 2-Fluorobiphenyl	64		%	02/01/12		DD	15 - 130 %
% 2-Fluorophenol	35		%	02/01/12		DD	15 - 130 %
% Nitrobenzene-d5	66		%	02/01/12		DD	15 - 130 %
% Phenol-d5	21		%	02/01/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	75		%	02/01/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

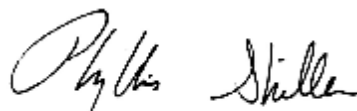
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 06, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 07, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: MF
Received by: LB
Analyzed by: see "By" below

Date Time
02/01/12 16:00
02/02/12 9:29

Laboratory Data

SDG ID: GBB39579
Phoenix ID: BB39579

Project ID: COURT ST., BINGHAMTON, NY

Client ID: AE-BATCH 13-020112

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.005	0.005	mg/L	02/03/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	02/03/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	02/03/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	02/03/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	02/03/12		LK	6010/200.7
Copper	< 0.005	0.005	mg/L	02/03/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	02/03/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	02/03/12		LK	6010/200.7
Lead	0.004	0.002	mg/L	02/03/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	02/03/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	02/03/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	02/03/12		RS	SW7010/200.9
Total Metals Digestion	Completed			02/02/12		AG	
Zinc	< 0.002	0.002	mg/L	02/03/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	02/03/12		MF	EPA 1664A
pH	7.93	0.10	pH	02/03/12	5:49	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	02/02/12		GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	02/02/12		CL/E/K	SM2540D
Mercury Digestion	Completed			02/03/12		D	7471/245.1
Semi-Volatile Extraction	Completed			02/03/12		F/f	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	02/03/12		HM	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	02/03/12		HM	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	02/03/12		HM	E624
1,1-Dichloroethane	ND	5.0	ug/L	02/03/12		HM	E624
1,1-Dichloroethene	ND	5.0	ug/L	02/03/12		HM	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	02/03/12		HM	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	02/03/12		HM	E624
1,2-Dichloropropane	ND	5.0	ug/L	02/03/12		HM	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	02/03/12		HM	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	02/03/12		HM	E624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	02/03/12		HM	E624
Acrolein	ND	25	ug/L	02/03/12		HM	E624
Benzene	ND	5.0	ug/L	02/03/12		HM	E624
Bromodichloromethane	ND	5.0	ug/L	02/03/12		HM	E624
Bromoform	ND	5.0	ug/L	02/03/12		HM	E624
Bromomethane	ND	5.0	ug/L	02/03/12		HM	E624
Carbon tetrachloride	ND	5.0	ug/L	02/03/12		HM	E624
Chlorobenzene	ND	5.0	ug/L	02/03/12		HM	E624
Chloroethane	ND	5.0	ug/L	02/03/12		HM	E624
Chloroform	ND	5.0	ug/L	02/03/12		HM	E624
Chloromethane	ND	5.0	ug/L	02/03/12		HM	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	02/03/12		HM	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	02/03/12		HM	E624
Dibromochloromethane	ND	5.0	ug/L	02/03/12		HM	E624
Ethylbenzene	ND	5.0	ug/L	02/03/12		HM	E624
m&p-Xylene	ND	5.0	ug/L	02/03/12		HM	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	02/03/12		HM	E624
Methylene chloride	ND	5.0	ug/L	02/03/12		HM	E624
o-Xylene	ND	5.0	ug/L	02/03/12		HM	E624
Tetrachloroethene	ND	5.0	ug/L	02/03/12		HM	E624
Toluene	ND	5.0	ug/L	02/03/12		HM	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	02/03/12		HM	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	02/03/12		HM	E624
Trichloroethene	ND	5.0	ug/L	02/03/12		HM	E624
Trichlorofluoromethane	ND	5.0	ug/L	02/03/12		HM	E624
Vinyl chloride	ND	5.0	ug/L	02/03/12		HM	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	99		%	02/03/12		HM	70 - 130 %
% Bromofluorobenzene	98		%	02/03/12		HM	70 - 130 %
% Dibromofluoromethane	103		%	02/03/12		HM	70 - 130 %
% Toluene-d8	97		%	02/03/12		HM	70 - 130 %
Biphenyl	ND	10	ug/L	02/03/12		KCA	E625

1

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	02/03/12		KCA	E625
1,2-Dichlorobenzene	ND	10	ug/L	02/03/12		KCA	E625
1,2-Diphenylhydrazine	ND	10	ug/L	02/03/12		KCA	E625
1,3-Dichlorobenzene	ND	10	ug/L	02/03/12		KCA	E625
1,4-Dichlorobenzene	ND	10	ug/L	02/03/12		KCA	E625
2,4,6-Trichlorophenol	ND	10	ug/L	02/03/12		KCA	E625
2,4-Dichlorophenol	ND	10	ug/L	02/03/12		KCA	E625
2,4-Dimethylphenol	ND	10	ug/L	02/03/12		KCA	E625
2,4-Dinitrophenol	ND	50	ug/L	02/03/12		KCA	E625
2,4-Dinitrotoluene	ND	10	ug/L	02/03/12		KCA	E625
2,6-Dinitrotoluene	ND	10	ug/L	02/03/12		KCA	E625
2-Chloronaphthalene	ND	10	ug/L	02/03/12		KCA	E625
2-Chlorophenol	ND	10	ug/L	02/03/12		KCA	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Nitrophenol	ND	10	ug/L	02/03/12		KCA	E625
3,3-Dichlorobenzidine	ND	20	ug/L	02/03/12		KCA	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	02/03/12		KCA	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	02/03/12		KCA	E625
4-Chloro-3-methylphenol	ND	20	ug/L	02/03/12		KCA	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	02/03/12		KCA	E625
4-Nitrophenol	ND	50	ug/L	02/03/12		KCA	E625
Acenaphthene	ND	10	ug/L	02/03/12		KCA	E625
Acenaphthylene	ND	10	ug/L	02/03/12		KCA	E625
Anthracene	ND	10	ug/L	02/03/12		KCA	E625
Benz(a)anthracene	ND	10	ug/L	02/03/12		KCA	E625
Benzidine	ND	10	ug/L	02/03/12		KCA	E625
Benzo(a)pyrene	ND	10	ug/L	02/03/12		KCA	E625
Benzo(b)fluoranthene	ND	10	ug/L	02/03/12		KCA	E625
Benzo(ghi)perylene	ND	10	ug/L	02/03/12		KCA	E625
Benzo(k)fluoranthene	ND	10	ug/L	02/03/12		KCA	E625
Benzyl butyl phthalate	ND	10	ug/L	02/03/12		KCA	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	02/03/12		KCA	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	02/03/12		KCA	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	02/03/12		KCA	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	02/03/12		KCA	E625
Chrysene	ND	10	ug/L	02/03/12		KCA	E625
Dibenz(a,h)anthracene	ND	10	ug/L	02/03/12		KCA	E625
Diethyl phthalate	ND	10	ug/L	02/03/12		KCA	E625
Dimethylphthalate	ND	10	ug/L	02/03/12		KCA	E625
Di-n-butylphthalate	ND	10	ug/L	02/03/12		KCA	E625
Di-n-octylphthalate	ND	10	ug/L	02/03/12		KCA	E625
Fluoranthene	ND	10	ug/L	02/03/12		KCA	E625
Fluorene	ND	10	ug/L	02/03/12		KCA	E625
Hexachlorobenzene	ND	10	ug/L	02/03/12		KCA	E625
Hexachlorobutadiene	ND	10	ug/L	02/03/12		KCA	E625
Hexachlorocyclopentadiene	ND	10	ug/L	02/03/12		KCA	E625
Hexachloroethane	ND	10	ug/L	02/03/12		KCA	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	02/03/12		KCA	E625
Isophorone	ND	10	ug/L	02/03/12		KCA	E625
Naphthalene	ND	10	ug/L	02/03/12		KCA	E625
Nitrobenzene	ND	10	ug/L	02/03/12		KCA	E625
N-Nitrosodimethylamine	ND	10	ug/L	02/03/12		KCA	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	02/03/12		KCA	E625
N-Nitrosodiphenylamine	ND	10	ug/L	02/03/12		KCA	E625
Pentachlorophenol	ND	50	ug/L	02/03/12		KCA	E625
Phenanthrene	ND	10	ug/L	02/03/12		KCA	E625
Phenol	ND	10	ug/L	02/03/12		KCA	E625
Pyrene	ND	10	ug/L	02/03/12		KCA	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	100		%	02/03/12		KCA	15 - 130 %
% 2-Fluorobiphenyl	76		%	02/03/12		KCA	15 - 130 %
% 2-Fluorophenol	34		%	02/03/12		KCA	15 - 130 %
% Nitrobenzene-d5	69		%	02/03/12		KCA	15 - 130 %
% Phenol-d5	22		%	02/03/12		KCA	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	116		%	02/03/12		KCA	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

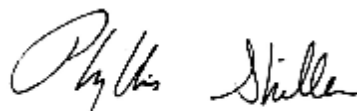
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 07, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 09, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: MF
Received by: LB
Analyzed by: see "By" below

Date Time
02/02/12 14:00
02/03/12 8:47

Laboratory Data

SDG ID: GBB40017
Phoenix ID: BB40017

Project ID: COURT ST., BINGHAMTON, NY

Client ID: AE-BATCH 14-020212

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	02/06/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	02/06/12		LK	6010/200.7
Beryllium	< 0.005	0.005	mg/L	02/06/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	02/06/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	02/06/12		LK	6010/200.7
Copper	< 0.005	0.005	mg/L	02/06/12		LK	6010/200.7
Mercury	< 0.0004	0.0004	mg/L	02/06/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	02/06/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	02/06/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	02/06/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	02/06/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	02/06/12		RS	SW7010/200.9
Total Metals Digestion	Completed			02/03/12		AG	
Zinc	< 0.002	0.002	mg/L	02/06/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	02/03/12		GD	EPA 1664A
pH	7.77	0.10	pH	02/04/12	2:05	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	02/03/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	02/06/12		BA	SM2540D
Mercury Digestion	Completed			02/06/12			7471/245.1
Semi-Volatile Extraction	Completed			02/03/12		L/L	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	02/03/12		RM	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	02/03/12		RM	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	02/03/12		RM	E624
1,1-Dichloroethane	ND	5.0	ug/L	02/03/12		RM	E624
1,1-Dichloroethene	ND	5.0	ug/L	02/03/12		RM	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	02/03/12		RM	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	02/03/12		RM	E624
1,2-Dichloropropane	ND	5.0	ug/L	02/03/12		RM	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	02/03/12		RM	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	02/03/12		RM	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	02/03/12		RM	E624
Acrolein	ND	25	ug/L	02/03/12		RM	E624
Benzene	ND	5.0	ug/L	02/03/12		RM	E624
Bromodichloromethane	ND	5.0	ug/L	02/03/12		RM	E624
Bromoform	ND	5.0	ug/L	02/03/12		RM	E624
Bromomethane	ND	5.0	ug/L	02/03/12		RM	E624
Carbon tetrachloride	ND	5.0	ug/L	02/03/12		RM	E624
Chlorobenzene	ND	5.0	ug/L	02/03/12		RM	E624
Chloroethane	ND	5.0	ug/L	02/03/12		RM	E624
Chloroform	ND	5.0	ug/L	02/03/12		RM	E624
Chloromethane	ND	5.0	ug/L	02/03/12		RM	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	02/03/12		RM	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	02/03/12		RM	E624
Dibromochloromethane	ND	5.0	ug/L	02/03/12		RM	E624
Ethylbenzene	ND	5.0	ug/L	02/03/12		RM	E624
m&p-Xylene	ND	5.0	ug/L	02/03/12		RM	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	02/03/12		RM	E624
Methylene chloride	ND	5.0	ug/L	02/03/12		RM	E624
o-Xylene	ND	5.0	ug/L	02/03/12		RM	E624
Tetrachloroethene	ND	5.0	ug/L	02/03/12		RM	E624
Toluene	ND	5.0	ug/L	02/03/12		RM	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	02/03/12		RM	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	02/03/12		RM	E624
Trichloroethene	ND	5.0	ug/L	02/03/12		RM	E624
Trichlorofluoromethane	ND	5.0	ug/L	02/03/12		RM	E624
Vinyl chloride	ND	5.0	ug/L	02/03/12		RM	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	100		%	02/03/12		RM	70 - 130 %
% Bromofluorobenzene	96		%	02/03/12		RM	70 - 130 %
% Dibromofluoromethane	94		%	02/03/12		RM	70 - 130 %
% Toluene-d8	99		%	02/03/12		RM	70 - 130 %
Biphenyl	ND	10	ug/L	02/06/12		KCA	E625

1

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	02/03/12		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	02/03/12		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	02/03/12		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	02/03/12		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	02/03/12		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	02/03/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	02/03/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	02/03/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	02/03/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	02/03/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	02/03/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	02/03/12		DD	E625
2-Chlorophenol	ND	10	ug/L	02/03/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Nitrophenol	ND	10	ug/L	02/03/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	02/03/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	02/03/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	02/03/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	02/03/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	02/03/12		DD	E625
4-Nitrophenol	ND	50	ug/L	02/03/12		DD	E625
Acenaphthene	ND	10	ug/L	02/03/12		DD	E625
Acenaphthylene	ND	10	ug/L	02/03/12		DD	E625
Anthracene	ND	10	ug/L	02/03/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	02/03/12		DD	E625
Benzidine	ND	10	ug/L	02/03/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	02/03/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	02/03/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	02/03/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	02/03/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	02/03/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	02/03/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	02/03/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	02/03/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	02/03/12		DD	E625
Chrysene	ND	10	ug/L	02/03/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	02/03/12		DD	E625
Diethyl phthalate	ND	10	ug/L	02/03/12		DD	E625
Dimethylphthalate	ND	10	ug/L	02/03/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	02/03/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	02/03/12		DD	E625
Fluoranthene	ND	10	ug/L	02/03/12		DD	E625
Fluorene	ND	10	ug/L	02/03/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	02/03/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	02/03/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	02/03/12		DD	E625
Hexachloroethane	ND	10	ug/L	02/03/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	02/03/12		DD	E625
Isophorone	ND	10	ug/L	02/03/12		DD	E625
Naphthalene	ND	10	ug/L	02/03/12		DD	E625
Nitrobenzene	ND	10	ug/L	02/03/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	02/03/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	02/03/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	02/03/12		DD	E625
Pentachlorophenol	ND	50	ug/L	02/03/12		DD	E625
Phenanthrene	ND	10	ug/L	02/03/12		DD	E625
Phenol	ND	10	ug/L	02/03/12		DD	E625
Pyrene	ND	10	ug/L	02/03/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	115		%	02/03/12		DD	15 - 130 %
% 2-Fluorobiphenyl	82		%	02/03/12		DD	15 - 130 %
% 2-Fluorophenol	41		%	02/03/12		DD	15 - 130 %
% Nitrobenzene-d5	84		%	02/03/12		DD	15 - 130 %
% Phenol-d5	27		%	02/03/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	93		%	02/03/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

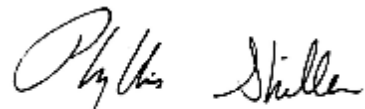
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 09, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 13, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: MF
Received by: LB
Analyzed by: see "By" below

Date Time
02/08/12 12:00
02/09/12 9:00

Laboratory Data

SDG ID: GBB41967
Phoenix ID: BB41967

Project ID: COURT ST., BINGHAMTON, NY

Client ID: AE-BATCH 15-020812

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	02/10/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	02/10/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	02/10/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	02/10/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	02/10/12		LK	6010/200.7
Copper	< 0.005	0.005	mg/L	02/10/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	02/10/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	02/10/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	02/10/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	02/10/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	02/10/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	02/10/12		RS	SW7010/200.9
Total Metals Digestion	Completed			02/09/12		AG	
Zinc	0.005	0.002	mg/L	02/10/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	02/10/12		MF	EPA 1664A
pH	7.86	0.10	pH	02/10/12	3:50	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	02/09/12		GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	02/09/12		KDB	SM2540D
Mercury Digestion	Completed			02/10/12		D	7471/245.1
Semi-Volatile Extraction	Completed			02/09/12		F/F	SW3510

Volatiles

1,1,1-Trichloroethane	ND	5.0	ug/L	02/09/12		HM	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	02/09/12		HM	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	02/09/12		HM	E624
1,1-Dichloroethane	ND	5.0	ug/L	02/09/12		HM	E624
1,1-Dichloroethene	ND	5.0	ug/L	02/09/12		HM	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	02/09/12		HM	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
1,2-Dichloroethane	ND	5.0	ug/L	02/09/12		HM	E624
1,2-Dichloropropane	ND	5.0	ug/L	02/09/12		HM	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	02/09/12		HM	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	02/09/12		HM	E624
2-Chloroethyl vinyl ether	ND	5.0	ug/L	02/09/12		HM	E624
Acrolein	ND	25	ug/L	02/09/12		HM	E624
Benzene	ND	5.0	ug/L	02/09/12		HM	E624
Bromodichloromethane	ND	5.0	ug/L	02/09/12		HM	E624
Bromoform	ND	5.0	ug/L	02/09/12		HM	E624
Bromomethane	ND	5.0	ug/L	02/09/12		HM	E624
Carbon tetrachloride	ND	5.0	ug/L	02/09/12		HM	E624
Chlorobenzene	ND	5.0	ug/L	02/09/12		HM	E624
Chloroethane	ND	5.0	ug/L	02/09/12		HM	E624
Chloroform	ND	5.0	ug/L	02/09/12		HM	E624
Chloromethane	ND	5.0	ug/L	02/09/12		HM	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	02/09/12		HM	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	02/09/12		HM	E624
Dibromochloromethane	ND	5.0	ug/L	02/09/12		HM	E624
Ethylbenzene	ND	5.0	ug/L	02/09/12		HM	E624
m&p-Xylene	ND	5.0	ug/L	02/09/12		HM	E624
Methyl t-butyl ether (MTBE)	ND	10	ug/L	02/09/12		HM	E624
Methylene chloride	ND	5.0	ug/L	02/09/12		HM	E624
o-Xylene	ND	5.0	ug/L	02/09/12		HM	E624
Tetrachloroethene	ND	5.0	ug/L	02/09/12		HM	E624
Toluene	ND	5.0	ug/L	02/09/12		HM	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	02/09/12		HM	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	02/09/12		HM	E624
Trichloroethene	ND	5.0	ug/L	02/09/12		HM	E624
Trichlorofluoromethane	ND	5.0	ug/L	02/09/12		HM	E624
Vinyl chloride	ND	5.0	ug/L	02/09/12		HM	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	02/09/12		HM	70 - 130 %
% Bromofluorobenzene	97		%	02/09/12		HM	70 - 130 %
% Dibromofluoromethane	99		%	02/09/12		HM	70 - 130 %
% Toluene-d8	100		%	02/09/12		HM	70 - 130 %
Biphenyl	ND	5.0	ug/L	02/10/12		DD	E625

1

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	02/10/12		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	02/10/12		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	02/10/12		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	02/10/12		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	02/10/12		DD	E625
2,4,6-Trichlorophenol	ND	10	ug/L	02/10/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	02/10/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	02/10/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	02/10/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	02/10/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	02/10/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	02/10/12		DD	E625
2-Chlorophenol	ND	10	ug/L	02/10/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2-Nitrophenol	ND	10	ug/L	02/10/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	02/10/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	02/10/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	02/10/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	02/10/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	02/10/12		DD	E625
4-Nitrophenol	ND	50	ug/L	02/10/12		DD	E625
Acenaphthene	ND	10	ug/L	02/10/12		DD	E625
Acenaphthylene	ND	10	ug/L	02/10/12		DD	E625
Anthracene	ND	10	ug/L	02/10/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	02/10/12		DD	E625
Benzidine	ND	10	ug/L	02/10/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	02/10/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	02/10/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	02/10/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	02/10/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	02/10/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	02/10/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	02/10/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	02/10/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	02/10/12		DD	E625
Chrysene	ND	10	ug/L	02/10/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	02/10/12		DD	E625
Diethyl phthalate	ND	10	ug/L	02/10/12		DD	E625
Dimethylphthalate	ND	10	ug/L	02/10/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	02/10/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	02/10/12		DD	E625
Fluoranthene	ND	10	ug/L	02/10/12		DD	E625
Fluorene	ND	10	ug/L	02/10/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	02/10/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	02/10/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	02/10/12		DD	E625
Hexachloroethane	ND	10	ug/L	02/10/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	02/10/12		DD	E625
Isophorone	ND	10	ug/L	02/10/12		DD	E625
Naphthalene	ND	10	ug/L	02/10/12		DD	E625
Nitrobenzene	ND	10	ug/L	02/10/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	02/10/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	02/10/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	02/10/12		DD	E625
Pentachlorophenol	ND	50	ug/L	02/10/12		DD	E625
Phenanthrene	ND	10	ug/L	02/10/12		DD	E625
Phenol	ND	10	ug/L	02/10/12		DD	E625
Pyrene	ND	10	ug/L	02/10/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	113		%	02/10/12		DD	15 - 130 %
% 2-Fluorobiphenyl	79		%	02/10/12		DD	15 - 130 %
% 2-Fluorophenol	40		%	02/10/12		DD	15 - 130 %
% Nitrobenzene-d5	82		%	02/10/12		DD	15 - 130 %
% Phenol-d5	26		%	02/10/12		DD	15 - 130 %

Parameter	Result	RL	Units	Date	Time	By	Reference
% Terphenyl-d14	75		%	02/10/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

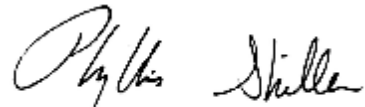
The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

* Poor surrogate recovery was observed for semivolatiles. The other surrogates associated with this sample were within QA/QC criteria. No further action was necessary.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 13, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 28, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 48 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: EMF
Received by: LB
Analyzed by: see "By" below

Date Time
02/21/12 9:00
02/22/12 9:14

Laboratory Data

SDG ID: GBB45982
Phoenix ID: BB45984

Project ID: COURT ST., BINGHAMTON

Client ID: AE-BATCH #16-022112

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	02/23/12		EK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	02/23/12		EK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	02/23/12		EK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	02/23/12		EK	6010/200.7
Chromium	< 0.001	0.001	mg/L	02/23/12		EK	6010/200.7
Copper	< 0.005	0.005	mg/L	02/24/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	02/23/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	02/23/12		EK	6010/200.7
Lead	< 0.002	0.002	mg/L	02/23/12		EK	6010/200.7
Antimony	< 0.005	0.005	mg/L	02/24/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	02/23/12		EK	6010/200.7
Thallium	< 0.002	0.002	mg/L	02/23/12		RS	SW7010/200.9
Total Metals Digestion	Completed			02/22/12		AG	
Zinc	< 0.002	0.002	mg/L	02/23/12		EK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	02/23/12		MF	EPA 1664A
pH	7.10	0.10	pH	02/23/12	2:32	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	02/22/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	02/23/12		KDB/CL	SM2540D
Mercury Digestion	Completed			02/23/12		D	7471/245.1
Semi-Volatile Extraction	Completed			02/22/12		F/K	SW3520
Biphenyl	ND	5.0	ug/L	02/24/12		DD	E625

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	02/23/12		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	02/23/12		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	02/23/12		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	02/23/12		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	02/23/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2,4,6-Trichlorophenol	ND	10	ug/L	02/23/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	02/23/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	02/23/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	02/23/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	02/23/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	02/23/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	02/23/12		DD	E625
2-Chlorophenol	ND	10	ug/L	02/23/12		DD	E625
2-Nitrophenol	ND	10	ug/L	02/23/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	02/23/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	02/23/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	02/23/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	02/23/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	02/23/12		DD	E625
4-Nitrophenol	ND	50	ug/L	02/23/12		DD	E625
Acenaphthene	ND	10	ug/L	02/23/12		DD	E625
Acenaphthylene	ND	10	ug/L	02/23/12		DD	E625
Anthracene	ND	10	ug/L	02/23/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	02/23/12		DD	E625
Benzidine	ND	10	ug/L	02/23/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	02/23/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	02/23/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	02/23/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	02/23/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	02/23/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	02/23/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	02/23/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	02/23/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	02/23/12		DD	E625
Chrysene	ND	10	ug/L	02/23/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	02/23/12		DD	E625
Diethyl phthalate	ND	10	ug/L	02/23/12		DD	E625
Dimethylphthalate	ND	10	ug/L	02/23/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	02/23/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	02/23/12		DD	E625
Fluoranthene	ND	10	ug/L	02/23/12		DD	E625
Fluorene	ND	10	ug/L	02/23/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	02/23/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	02/23/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	02/23/12		DD	E625
Hexachloroethane	ND	10	ug/L	02/23/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	02/23/12		DD	E625
Isophorone	ND	10	ug/L	02/23/12		DD	E625
Naphthalene	ND	10	ug/L	02/23/12		DD	E625
Nitrobenzene	ND	10	ug/L	02/23/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	02/23/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	02/23/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	02/23/12		DD	E625
Pentachlorophenol	ND	50	ug/L	02/23/12		DD	E625
Phenanthrene	ND	10	ug/L	02/23/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
Phenol	ND	10	ug/L	02/23/12		DD	E625
Pyrene	ND	10	ug/L	02/23/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	89		%	02/23/12		DD	15 - 130 %
% 2-Fluorobiphenyl	77		%	02/23/12		DD	15 - 130 %
% 2-Fluorophenol	72		%	02/23/12		DD	15 - 130 %
% Nitrobenzene-d5	55		%	02/23/12		DD	15 - 130 %
% Phenol-d5	74		%	02/23/12		DD	15 - 130 %
% Terphenyl-d14	86		%	02/23/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

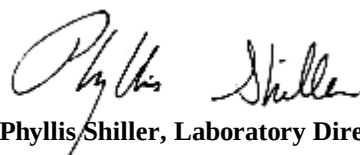
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

February 28, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

February 28, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: EMF
Received by: LB
Analyzed by: see "By" below

Date	Time
02/21/12	9:00
02/22/12	9:14

Laboratory Data

SDG ID: GBB45982
Phoenix ID: BB45982

Project ID: COURT ST., BINGHAMTON
Client ID: AE-BATCH #16-022112 VOC

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5.0	ug/L	02/22/12		H/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	02/22/12		H/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	02/22/12		H/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	02/22/12		H/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	02/22/12		H/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	02/22/12		H/J	E624
1,2-Dichloroethane	ND	5.0	ug/L	02/22/12		H/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	02/22/12		H/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	02/22/12		H/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	02/22/12		H/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	02/22/12		H/J	E624
Acrolein	ND	25	ug/L	02/22/12		H/J	E624
Benzene	ND	5.0	ug/L	02/22/12		H/J	E624
Bromodichloromethane	ND	5.0	ug/L	02/22/12		H/J	E624
Bromoform	ND	5.0	ug/L	02/22/12		H/J	E624
Bromomethane	ND	5.0	ug/L	02/22/12		H/J	E624
Carbon tetrachloride	ND	5.0	ug/L	02/22/12		H/J	E624
Chlorobenzene	ND	5.0	ug/L	02/22/12		H/J	E624
Chloroethane	ND	5.0	ug/L	02/22/12		H/J	E624
Chloroform	ND	5.0	ug/L	02/22/12		H/J	E624
Chloromethane	ND	5.0	ug/L	02/22/12		H/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	02/22/12		H/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	02/22/12		H/J	E624
Dibromochloromethane	ND	5.0	ug/L	02/22/12		H/J	E624
Ethylbenzene	ND	5.0	ug/L	02/22/12		H/J	E624
m&p-Xylene	ND	5.0	ug/L	02/22/12		H/J	E624

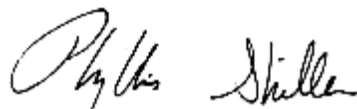
Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	10	ug/L	02/22/12		H/J	E624
Methylene chloride	ND	5.0	ug/L	02/22/12		H/J	E624
o-Xylene	ND	5.0	ug/L	02/22/12		H/J	E624
Tetrachloroethene	ND	5.0	ug/L	02/22/12		H/J	E624
Toluene	ND	5.0	ug/L	02/22/12		H/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	02/22/12		H/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	02/22/12		H/J	E624
Trichloroethene	ND	5.0	ug/L	02/22/12		H/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	02/22/12		H/J	E624
Vinyl chloride	ND	5.0	ug/L	02/22/12		H/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	103		%	02/22/12		H/J	70 - 130 %
% Bromofluorobenzene	91		%	02/22/12		H/J	70 - 130 %
% Dibromofluoromethane	89		%	02/22/12		H/J	70 - 130 %
% Toluene-d8	97		%	02/22/12		H/J	70 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
February 28, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

March 06, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 72 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: EMF
Received by: LB
Analyzed by: see "By" below

Date Time
02/28/12 10:00
02/29/12 11:53

Laboratory Data

SDG ID: GBB48217
Phoenix ID: BB48217

Project ID: COURT ST., BINGHAMTON, NY

Client ID: AE-BATCH 17-022812

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	03/02/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	03/02/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	03/02/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	03/02/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	03/02/12		LK	6010/200.7
Copper	< 0.005	0.005	mg/L	03/05/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	03/01/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	03/02/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	03/02/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	03/02/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	03/02/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	03/02/12		RS	SW7010/200.9
Total Metals Digestion	Completed			02/29/12		AG	
Zinc	< 0.002	0.002	mg/L	03/02/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	03/01/12		MF	EPA 1664A
pH	6.98	0.10	pH	03/01/12	3:55	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	03/01/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	03/01/12		kdb	SM2540D
Mercury Digestion	Completed			03/01/12		D	7471/245.1
Semi-Volatile Extraction	Completed			02/29/12		F/K	SW3520
Biphenyl	ND	10	ug/L	03/02/12		KCA	E625

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	03/01/12		KCA	E625
1,2-Dichlorobenzene	ND	10	ug/L	03/01/12		KCA	E625
1,2-Diphenylhydrazine	ND	10	ug/L	03/01/12		KCA	E625
1,3-Dichlorobenzene	ND	10	ug/L	03/01/12		KCA	E625
1,4-Dichlorobenzene	ND	10	ug/L	03/01/12		KCA	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2,4,6-Trichlorophenol	ND	10	ug/L	03/01/12		KCA	E625
2,4-Dichlorophenol	ND	10	ug/L	03/01/12		KCA	E625
2,4-Dimethylphenol	ND	10	ug/L	03/01/12		KCA	E625
2,4-Dinitrophenol	ND	50	ug/L	03/01/12		KCA	E625
2,4-Dinitrotoluene	ND	10	ug/L	03/01/12		KCA	E625
2,6-Dinitrotoluene	ND	10	ug/L	03/01/12		KCA	E625
2-Chloronaphthalene	ND	10	ug/L	03/01/12		KCA	E625
2-Chlorophenol	ND	10	ug/L	03/01/12		KCA	E625
2-Nitrophenol	ND	10	ug/L	03/01/12		KCA	E625
3,3-Dichlorobenzidine	ND	20	ug/L	03/01/12		KCA	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	03/01/12		KCA	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	03/01/12		KCA	E625
4-Chloro-3-methylphenol	ND	20	ug/L	03/01/12		KCA	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	03/01/12		KCA	E625
4-Nitrophenol	ND	50	ug/L	03/01/12		KCA	E625
Acenaphthene	ND	10	ug/L	03/01/12		KCA	E625
Acenaphthylene	ND	10	ug/L	03/01/12		KCA	E625
Anthracene	ND	10	ug/L	03/01/12		KCA	E625
Benz(a)anthracene	ND	10	ug/L	03/01/12		KCA	E625
Benzidine	ND	10	ug/L	03/01/12		KCA	E625
Benzo(a)pyrene	ND	10	ug/L	03/01/12		KCA	E625
Benzo(b)fluoranthene	ND	10	ug/L	03/01/12		KCA	E625
Benzo(ghi)perylene	ND	10	ug/L	03/01/12		KCA	E625
Benzo(k)fluoranthene	ND	10	ug/L	03/01/12		KCA	E625
Benzyl butyl phthalate	ND	10	ug/L	03/01/12		KCA	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	03/01/12		KCA	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	03/01/12		KCA	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	03/01/12		KCA	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	03/01/12		KCA	E625
Chrysene	ND	10	ug/L	03/01/12		KCA	E625
Dibenz(a,h)anthracene	ND	10	ug/L	03/01/12		KCA	E625
Diethyl phthalate	ND	10	ug/L	03/01/12		KCA	E625
Dimethylphthalate	ND	10	ug/L	03/01/12		KCA	E625
Di-n-butylphthalate	ND	10	ug/L	03/01/12		KCA	E625
Di-n-octylphthalate	ND	10	ug/L	03/01/12		KCA	E625
Fluoranthene	ND	10	ug/L	03/01/12		KCA	E625
Fluorene	ND	10	ug/L	03/01/12		KCA	E625
Hexachlorobenzene	ND	10	ug/L	03/01/12		KCA	E625
Hexachlorobutadiene	ND	10	ug/L	03/01/12		KCA	E625
Hexachlorocyclopentadiene	ND	10	ug/L	03/01/12		KCA	E625
Hexachloroethane	ND	10	ug/L	03/01/12		KCA	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	03/01/12		KCA	E625
Isophorone	ND	10	ug/L	03/01/12		KCA	E625
Naphthalene	ND	10	ug/L	03/01/12		KCA	E625
Nitrobenzene	ND	10	ug/L	03/01/12		KCA	E625
N-Nitrosodimethylamine	ND	10	ug/L	03/01/12		KCA	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	03/01/12		KCA	E625
N-Nitrosodiphenylamine	ND	10	ug/L	03/01/12		KCA	E625
Pentachlorophenol	ND	50	ug/L	03/01/12		KCA	E625
Phenanthrene	ND	10	ug/L	03/01/12		KCA	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
Phenol	ND	10	ug/L	03/01/12		KCA	E625
Pyrene	ND	10	ug/L	03/01/12		KCA	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	104		%	03/01/12		KCA	15 - 130 %
% 2-Fluorobiphenyl	73		%	03/01/12		KCA	15 - 130 %
% 2-Fluorophenol	68		%	03/01/12		KCA	15 - 130 %
% Nitrobenzene-d5	72		%	03/01/12		KCA	15 - 130 %
% Phenol-d5	68		%	03/01/12		KCA	15 - 130 %
% Terphenyl-d14	76		%	03/01/12		KCA	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

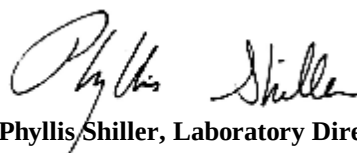
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

March 06, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: EMF
Received by: LB
Analyzed by: see "By" below

Date	Time
02/28/12	0:00
02/29/12	11:53

Laboratory Data

SDG ID: GBB48217
Phoenix ID: BB48219

Project ID: COURT ST., BINGHAMTON, NY

Client ID: VOC

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5.0	ug/L	02/29/12		H/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	02/29/12		H/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	02/29/12		H/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	02/29/12		H/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	02/29/12		H/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	02/29/12		H/J	E624
1,2-Dichloroethane	ND	5.0	ug/L	02/29/12		H/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	02/29/12		H/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	02/29/12		H/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	02/29/12		H/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	02/29/12		H/J	E624
Acrolein	ND	25	ug/L	02/29/12		H/J	E624
Benzene	ND	5.0	ug/L	02/29/12		H/J	E624
Bromodichloromethane	ND	5.0	ug/L	02/29/12		H/J	E624
Bromoform	ND	5.0	ug/L	02/29/12		H/J	E624
Bromomethane	ND	5.0	ug/L	02/29/12		H/J	E624
Carbon tetrachloride	ND	5.0	ug/L	02/29/12		H/J	E624
Chlorobenzene	ND	5.0	ug/L	02/29/12		H/J	E624
Chloroethane	ND	5.0	ug/L	02/29/12		H/J	E624
Chloroform	ND	5.0	ug/L	02/29/12		H/J	E624
Chloromethane	ND	5.0	ug/L	02/29/12		H/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	02/29/12		H/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	02/29/12		H/J	E624
Dibromochloromethane	ND	5.0	ug/L	02/29/12		H/J	E624
Ethylbenzene	ND	5.0	ug/L	02/29/12		H/J	E624
m&p-Xylene	ND	5.0	ug/L	02/29/12		H/J	E624

Client ID: VOC

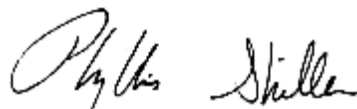
Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	10	ug/L	02/29/12		H/J	E624
Methylene chloride	ND	5.0	ug/L	02/29/12		H/J	E624
o-Xylene	ND	5.0	ug/L	02/29/12		H/J	E624
Tetrachloroethene	ND	5.0	ug/L	02/29/12		H/J	E624
Toluene	ND	5.0	ug/L	02/29/12		H/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	02/29/12		H/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	02/29/12		H/J	E624
Trichloroethene	ND	5.0	ug/L	02/29/12		H/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	02/29/12		H/J	E624
Vinyl chloride	ND	5.0	ug/L	02/29/12		H/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	97		%	02/29/12		H/J	70 - 130 %
% Bromofluorobenzene	94		%	02/29/12		H/J	70 - 130 %
% Dibromofluoromethane	97		%	02/29/12		H/J	70 - 130 %
% Toluene-d8	103		%	02/29/12		H/J	70 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

March 06, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 15, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 72 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: MF
Received by: LB
Analyzed by: see "By" below

Date Time
03/07/12 10:00
03/08/12 8:48

Laboratory Data

SDG ID: GBB51126
Phoenix ID: BB51126

Project ID: COURT ST., BINGHAMTON, NY

Client ID: AE-BATCH18-030712

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	03/09/12		EK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	03/09/12		EK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	03/09/12		EK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	03/09/12		EK	6010/200.7
Chromium	< 0.001	0.001	mg/L	03/09/12		EK	6010/200.7
Copper	< 0.005	0.005	mg/L	03/09/12		EK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	03/09/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	03/09/12		EK	6010/200.7
Lead	< 0.002	0.002	mg/L	03/09/12		EK	6010/200.7
Antimony	< 0.005	0.005	mg/L	03/09/12		EK	6010/200.7
Selenium	< 0.010	0.010	mg/L	03/09/12		EK	6010/200.7
Thallium	< 0.002	0.002	mg/L	03/12/12		RS	SW7010/200.9
Total Metals Digestion	Completed			03/08/12		AG	
Zinc	< 0.002	0.002	mg/L	03/09/12		EK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	03/09/12		MF	EPA 1664A
pH	6.53	0.10	pH	03/09/12	7:41	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	03/09/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	03/09/12		KDB	SM2540D
Mercury Digestion	Completed			03/09/12		D/D	7471/245.1
Semi-Volatile Extraction	Completed			03/08/12		F/K	SW3520
Biphenyl	ND	5.0	ug/L	03/12/12		DD	E625

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	03/09/12		DD	E625
1,2-Dichlorobenzene	ND	10	ug/L	03/09/12		DD	E625
1,2-Diphenylhydrazine	ND	10	ug/L	03/09/12		DD	E625
1,3-Dichlorobenzene	ND	10	ug/L	03/09/12		DD	E625
1,4-Dichlorobenzene	ND	10	ug/L	03/09/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
2,4,6-Trichlorophenol	ND	10	ug/L	03/09/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	03/09/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	03/09/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	03/09/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	03/09/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	03/09/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	03/09/12		DD	E625
2-Chlorophenol	ND	10	ug/L	03/09/12		DD	E625
2-Nitrophenol	ND	10	ug/L	03/09/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	03/09/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	03/09/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	03/09/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	03/09/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	03/09/12		DD	E625
4-Nitrophenol	ND	50	ug/L	03/09/12		DD	E625
Acenaphthene	ND	10	ug/L	03/09/12		DD	E625
Acenaphthylene	ND	10	ug/L	03/09/12		DD	E625
Anthracene	ND	10	ug/L	03/09/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	03/09/12		DD	E625
Benzidine	ND	10	ug/L	03/09/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	03/09/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	03/09/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	03/09/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	03/09/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	03/09/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	03/09/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	03/09/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	03/09/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	03/09/12		DD	E625
Chrysene	ND	10	ug/L	03/09/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	03/09/12		DD	E625
Diethyl phthalate	ND	10	ug/L	03/09/12		DD	E625
Dimethylphthalate	ND	10	ug/L	03/09/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	03/09/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	03/09/12		DD	E625
Fluoranthene	ND	10	ug/L	03/09/12		DD	E625
Fluorene	ND	10	ug/L	03/09/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	03/09/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	03/09/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	03/09/12		DD	E625
Hexachloroethane	ND	10	ug/L	03/09/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	03/09/12		DD	E625
Isophorone	ND	10	ug/L	03/09/12		DD	E625
Naphthalene	ND	10	ug/L	03/09/12		DD	E625
Nitrobenzene	ND	10	ug/L	03/09/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	03/09/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	03/09/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	03/09/12		DD	E625
Pentachlorophenol	ND	50	ug/L	03/09/12		DD	E625
Phenanthrene	ND	10	ug/L	03/09/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
Phenol	ND	10	ug/L	03/09/12		DD	E625
Pyrene	ND	10	ug/L	03/09/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	96		%	03/09/12		DD	15 - 130 %
% 2-Fluorobiphenyl	71		%	03/09/12		DD	15 - 130 %
% 2-Fluorophenol	69		%	03/09/12		DD	15 - 130 %
% Nitrobenzene-d5	77		%	03/09/12		DD	15 - 130 %
% Phenol-d5	70		%	03/09/12		DD	15 - 130 %
% Terphenyl-d14	93		%	03/09/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

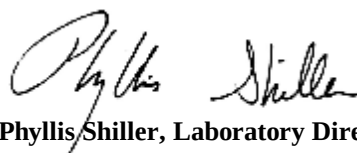
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

March 15, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 15, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by: MF
Received by: LB
Analyzed by: see "By" below

Date	Time
03/07/12	10:00
03/08/12	8:48

Laboratory Data

SDG ID: GBB51126
Phoenix ID: BB51128

Project ID: COURT ST., BINGHAMTON, NY
Client ID: AE-BATCH18-030712 VOC ONLY

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5.0	ug/L	03/09/12		R/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	03/09/12		R/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	03/09/12		R/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	03/09/12		R/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	03/09/12		R/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	03/09/12		R/J	E624
1,2-Dichloroethane	ND	5.0	ug/L	03/09/12		R/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	03/09/12		R/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	03/09/12		R/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	03/09/12		R/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	03/09/12		R/J	E624
Acrolein	ND	25	ug/L	03/09/12		R/J	E624
Benzene	ND	5.0	ug/L	03/09/12		R/J	E624
Bromodichloromethane	ND	5.0	ug/L	03/09/12		R/J	E624
Bromoform	ND	5.0	ug/L	03/09/12		R/J	E624
Bromomethane	ND	5.0	ug/L	03/09/12		R/J	E624
Carbon tetrachloride	ND	5.0	ug/L	03/09/12		R/J	E624
Chlorobenzene	ND	5.0	ug/L	03/09/12		R/J	E624
Chloroethane	ND	5.0	ug/L	03/09/12		R/J	E624
Chloroform	ND	5.0	ug/L	03/09/12		R/J	E624
Chloromethane	ND	5.0	ug/L	03/09/12		R/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	03/09/12		R/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	03/09/12		R/J	E624
Dibromochloromethane	ND	5.0	ug/L	03/09/12		R/J	E624
Ethylbenzene	ND	5.0	ug/L	03/09/12		R/J	E624
m&p-Xylene	ND	5.0	ug/L	03/09/12		R/J	E624

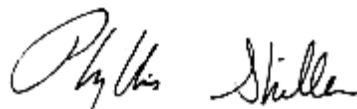
Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	10	ug/L	03/09/12		R/J	E624
Methylene chloride	ND	5.0	ug/L	03/09/12		R/J	E624
o-Xylene	ND	5.0	ug/L	03/09/12		R/J	E624
Tetrachloroethene	ND	5.0	ug/L	03/09/12		R/J	E624
Toluene	ND	5.0	ug/L	03/09/12		R/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	03/09/12		R/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	03/09/12		R/J	E624
Trichloroethene	ND	5.0	ug/L	03/09/12		R/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	03/09/12		R/J	E624
Vinyl chloride	ND	5.0	ug/L	03/09/12		R/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	90		%	03/09/12		R/J	70 - 130 %
% Bromofluorobenzene	90		%	03/09/12		R/J	70 - 130 %
% Dibromofluoromethane	71		%	03/09/12		R/J	70 - 130 %
% Toluene-d8	95		%	03/09/12		R/J	70 - 130 %

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
March 15, 2012



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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 22, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 72 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date Time
03/15/12 10:00
03/16/12 11:22

Laboratory Data

SDG ID: GBB54587
Phoenix ID: BB54587

Project ID: COURT ST BINGHAMTON NY

Client ID: AE-BATCH 19-031512

Parameter	Result	RL	Units	Date	Time	By	Reference
Silver	< 0.001	0.001	mg/L	03/19/12		LK	6010/200.7
Arsenic	< 0.004	0.004	mg/L	03/19/12		LK	6010/200.7
Beryllium	< 0.001	0.001	mg/L	03/19/12		LK	6010/200.7
Cadmium	< 0.001	0.001	mg/L	03/19/12		LK	6010/200.7
Chromium	< 0.001	0.001	mg/L	03/19/12		LK	6010/200.7
Copper	< 0.005	0.005	mg/L	03/19/12		LK	6010/200.7
Mercury	< 0.0002	0.0002	mg/L	03/19/12		RS	7470/E245.1
Nickel	< 0.001	0.001	mg/L	03/19/12		LK	6010/200.7
Lead	< 0.002	0.002	mg/L	03/19/12		LK	6010/200.7
Antimony	< 0.005	0.005	mg/L	03/19/12		LK	6010/200.7
Selenium	< 0.010	0.010	mg/L	03/19/12		LK	6010/200.7
Thallium	< 0.002	0.002	mg/L	03/19/12		RS	SW7010/200.9
Total Metals Digestion	Completed			03/16/12		B/T	
Zinc	< 0.002	0.002	mg/L	03/19/12		LK	6010/200.7
Oil and Grease by EPA 1664	< 1.4	1.4	mg/L	03/19/12		MF	EPA 1664A
pH	6.62	0.10	pH Units	03/17/12	8:17	BS/EG	4500-H B/9040
Total Cyanide	< 0.01	0.01	mg/L	03/17/12		O/GD	335.4/9010
Total Suspended Solids	< 5.0	5.0	mg/L	03/20/12		KDB	SM2540D
Mercury Digestion	Completed			03/19/12		X/X	7471/245.1
Semi-Volatile Extraction	Completed			03/16/12		F/D	SW3520
Biphenyl	ND	5.0	ug/L	03/21/12		DD	E625

Base Neutrals & Acid Compounds

1,2,4-Trichlorobenzene	ND	10	ug/L	03/19/12		DD	E625	
1,2-Dichlorobenzene	ND	10	ug/L	03/19/12		DD	E625	1
1,2-Diphenylhydrazine	ND	10	ug/L	03/19/12		DD	E625	1
1,3-Dichlorobenzene	ND	10	ug/L	03/19/12		DD	E625	1
1,4-Dichlorobenzene	ND	10	ug/L	03/19/12		DD	E625	1

Parameter	Result	RL	Units	Date	Time	By	Reference
2,4,6-Trichlorophenol	ND	10	ug/L	03/19/12		DD	E625
2,4-Dichlorophenol	ND	10	ug/L	03/19/12		DD	E625
2,4-Dimethylphenol	ND	10	ug/L	03/19/12		DD	E625
2,4-Dinitrophenol	ND	50	ug/L	03/19/12		DD	E625
2,4-Dinitrotoluene	ND	10	ug/L	03/19/12		DD	E625
2,6-Dinitrotoluene	ND	10	ug/L	03/19/12		DD	E625
2-Chloronaphthalene	ND	10	ug/L	03/19/12		DD	E625
2-Chlorophenol	ND	10	ug/L	03/19/12		DD	E625
2-Nitrophenol	ND	10	ug/L	03/19/12		DD	E625
3,3-Dichlorobenzidine	ND	20	ug/L	03/19/12		DD	E625
4,6-Dinitro-2-methylphenol	ND	50	ug/L	03/19/12		DD	E625
4-Bromophenyl phenyl ether	ND	10	ug/L	03/19/12		DD	E625
4-Chloro-3-methylphenol	ND	20	ug/L	03/19/12		DD	E625
4-Chlorophenyl phenyl ether	ND	10	ug/L	03/19/12		DD	E625
4-Nitrophenol	ND	50	ug/L	03/19/12		DD	E625
Acenaphthene	ND	10	ug/L	03/19/12		DD	E625
Acenaphthylene	ND	10	ug/L	03/19/12		DD	E625
Anthracene	ND	10	ug/L	03/19/12		DD	E625
Benz(a)anthracene	ND	10	ug/L	03/19/12		DD	E625
Benzidine	ND	10	ug/L	03/19/12		DD	E625
Benzo(a)pyrene	ND	10	ug/L	03/19/12		DD	E625
Benzo(b)fluoranthene	ND	10	ug/L	03/19/12		DD	E625
Benzo(ghi)perylene	ND	10	ug/L	03/19/12		DD	E625
Benzo(k)fluoranthene	ND	10	ug/L	03/19/12		DD	E625
Benzyl butyl phthalate	ND	10	ug/L	03/19/12		DD	E625
Bis(2-chloroethoxy)methane	ND	10	ug/L	03/19/12		DD	E625
Bis(2-chloroethyl)ether	ND	10	ug/L	03/19/12		DD	E625
Bis(2-chloroisopropyl)ether	ND	10	ug/L	03/19/12		DD	E625
Bis(2-ethylhexyl)phthalate	ND	10	ug/L	03/19/12		DD	E625
Chrysene	ND	10	ug/L	03/19/12		DD	E625
Dibenz(a,h)anthracene	ND	10	ug/L	03/19/12		DD	E625
Diethyl phthalate	ND	10	ug/L	03/19/12		DD	E625
Dimethylphthalate	ND	10	ug/L	03/19/12		DD	E625
Di-n-butylphthalate	ND	10	ug/L	03/19/12		DD	E625
Di-n-octylphthalate	ND	10	ug/L	03/19/12		DD	E625
Fluoranthene	ND	10	ug/L	03/19/12		DD	E625
Fluorene	ND	10	ug/L	03/19/12		DD	E625
Hexachlorobenzene	ND	10	ug/L	03/19/12		DD	E625
Hexachlorobutadiene	ND	10	ug/L	03/19/12		DD	E625
Hexachlorocyclopentadiene	ND	10	ug/L	03/19/12		DD	E625
Hexachloroethane	ND	10	ug/L	03/19/12		DD	E625
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	03/19/12		DD	E625
Isophorone	ND	10	ug/L	03/19/12		DD	E625
Naphthalene	ND	10	ug/L	03/19/12		DD	E625
Nitrobenzene	ND	10	ug/L	03/19/12		DD	E625
N-Nitrosodimethylamine	ND	10	ug/L	03/19/12		DD	E625
N-Nitrosodi-n-propylamine	ND	10	ug/L	03/19/12		DD	E625
N-Nitrosodiphenylamine	ND	10	ug/L	03/19/12		DD	E625
Pentachlorophenol	ND	50	ug/L	03/19/12		DD	E625
Phenanthrene	ND	10	ug/L	03/19/12		DD	E625

Parameter	Result	RL	Units	Date	Time	By	Reference
Phenol	ND	10	ug/L	03/19/12		DD	E625
Pyrene	ND	10	ug/L	03/19/12		DD	E625
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	93		%	03/19/12		DD	15 - 130 %
% 2-Fluorobiphenyl	74		%	03/19/12		DD	15 - 130 %
% 2-Fluorophenol	64		%	03/19/12		DD	15 - 130 %
% Nitrobenzene-d5	82		%	03/19/12		DD	15 - 130 %
% Phenol-d5	72		%	03/19/12		DD	15 - 130 %
% Terphenyl-d14	79		%	03/19/12		DD	15 - 130 %

1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

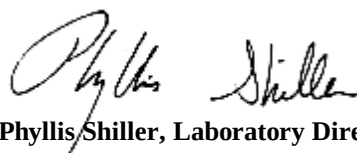
Comments:

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director

March 22, 2012



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 22, 2012

FOR: Attn: Mr. Jason Brien
Arcadis
6723 Towpath Rd.
Syracuse, NY 13214

Sample Information

Matrix: WASTE WATER
Location Code: ARCAD-SY
Rush Request: 24 Hour
P.O.#: PO #: 4500247677

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date	Time
03/15/12	10:00
03/16/12	11:22

Laboratory Data

SDG ID: GBB54587
Phoenix ID: BB54589

Project ID: COURT ST BINGHAMTON NY

Client ID: AE-BATCH 19-031512

Parameter	Result	RL	Units	Date	Time	By	Reference
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5.0	ug/L	03/17/12		H/J	E624
1,1,2,2-tetrachloroethane	ND	5.0	ug/L	03/17/12		H/J	E624
1,1,2-Trichloroethane	ND	5.0	ug/L	03/17/12		H/J	E624
1,1-Dichloroethane	ND	5.0	ug/L	03/17/12		H/J	E624
1,1-Dichloroethene	ND	5.0	ug/L	03/17/12		H/J	E624
1,2-Dichlorobenzene	ND	5.0	ug/L	03/17/12		H/J	E624
1,2-Dichloroethane	ND	5.0	ug/L	03/17/12		H/J	E624
1,2-Dichloropropane	ND	5.0	ug/L	03/17/12		H/J	E624
1,3-Dichlorobenzene	ND	5.0	ug/L	03/17/12		H/J	E624
1,4-Dichlorobenzene	ND	5.0	ug/L	03/17/12		H/J	E624
2-Chloroethyl vinyl ether	ND	25	ug/L	03/17/12		H/J	E624
Acrolein	ND	25	ug/L	03/17/12		H/J	E624
Benzene	ND	5.0	ug/L	03/17/12		H/J	E624
Bromodichloromethane	ND	5.0	ug/L	03/17/12		H/J	E624
Bromoform	ND	5.0	ug/L	03/17/12		H/J	E624
Bromomethane	ND	5.0	ug/L	03/17/12		H/J	E624
Carbon tetrachloride	ND	5.0	ug/L	03/17/12		H/J	E624
Chlorobenzene	ND	5.0	ug/L	03/17/12		H/J	E624
Chloroethane	ND	5.0	ug/L	03/17/12		H/J	E624
Chloroform	ND	5.0	ug/L	03/17/12		H/J	E624
Chloromethane	ND	5.0	ug/L	03/17/12		H/J	E624
cis-1,2-Dichloroethene	ND	5.0	ug/L	03/17/12		H/J	E624
cis-1,3-Dichloropropene	ND	5.0	ug/L	03/17/12		H/J	E624
Dibromochloromethane	ND	5.0	ug/L	03/17/12		H/J	E624
Ethylbenzene	ND	5.0	ug/L	03/17/12		H/J	E624
m&p-Xylene	ND	5.0	ug/L	03/17/12		H/J	E624

Parameter	Result	RL	Units	Date	Time	By	Reference
Methyl t-butyl ether (MTBE)	ND	10	ug/L	03/17/12		H/J	E624
Methylene chloride	ND	5.0	ug/L	03/17/12		H/J	E624
o-Xylene	ND	5.0	ug/L	03/17/12		H/J	E624
Tetrachloroethene	ND	5.0	ug/L	03/17/12		H/J	E624
Toluene	ND	5.0	ug/L	03/17/12		H/J	E624
trans-1,2-Dichloroethene	ND	5.0	ug/L	03/17/12		H/J	E624
trans-1,3-Dichloropropene	ND	5.0	ug/L	03/17/12		H/J	E624
Trichloroethene	ND	5.0	ug/L	03/17/12		H/J	E624
Trichlorofluoromethane	ND	5.0	ug/L	03/17/12		H/J	E624
Vinyl chloride	ND	5.0	ug/L	03/17/12		H/J	E624
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	98		%	03/17/12		H/J	70 - 130 %
% Bromofluorobenzene	96		%	03/17/12		H/J	70 - 130 %
% Dibromofluoromethane	100		%	03/17/12		H/J	70 - 130 %
% Toluene-d8	103		%	03/17/12		H/J	70 - 130 %

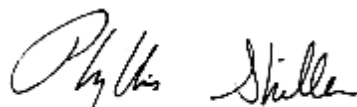
1 = This parameter is not certified by NY NELAC for this matrix. NY NELAC does not offer certification for all parameters.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

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Phyllis Shiller, Laboratory Director
March 22, 2012



Appendix M

ESMI Waste Profile and Approval
Letter

(Compact Disk only)

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-_____

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: _____

Date: _____ Scheduled Time: _____
Time Out: _____

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONDITIONALLY EXEMPT MGP REMEDIATION WASTE (PER NYSDEC TAGM 4061)

Weight: Est. _____ tons

SHIPPER:
SIGNATURE: _____ PRINT NAME: _____

DRIVER:
SIGNATURE: _____ PRINT NAME: _____

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-_____

TRANSPORTER: JBG Transport
1578 Baldwin Corners Road
Fort Ann, NY 12827
NYSDEC Permit No. 5A-683

Truck Number: _____

Date: _____ Scheduled Time: _____
Time Out: _____

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONDITIONALLY EXEMPT MGP REMEDIATION WASTE (PER NYSDEC TAGM 4061)

Weight: Est. _____ tons

SHIPPER:
SIGNATURE: _____ PRINT NAME: _____

DRIVER:
SIGNATURE: _____ PRINT NAME: _____

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-_____

TRANSPORTER: Longhorn Trucking
6605 State Highway 5
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: _____

Date: _____ Scheduled Time: _____
Time Out: _____

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONDITIONALLY EXEMPT MGP REMEDIATION WASTE (PER NYSDEC TAGM 4061)

Weight: Est. _____ tons

SHIPPER:
SIGNATURE: _____ PRINT NAME: _____

DRIVER:
SIGNATURE: _____ PRINT NAME: _____

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____



Appendix N

Hazardous Solid Waste Manifests
and Weigh Tickets for Soil Disposed
at ESMI

(Compact Disk only)

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11- 0041

TRANSPORTER:

Cadar Hill Trucking, Inc.
1021 Rival Road
Selkirk, NY 12158 - 1510
NYSDEC Permit No. 4A-314

Truck Number: NY-1272B1

Date: 12/9/2011

Scheduled Time: 815

Time Out: 845

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

AS AGENT FOR NYSEG

SIGNATURE: E. MICHAEL FLYNN

PRINT NAME: E. Michael Flynn (ARCADIS)

DRIVER:

SIGNATURE: Lindsay Aggishy

PRINT NAME: Lindsay Aggishy

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0042****TRANSPORTER:**

Cedar Hill Trucking, Inc.
1021 River Road
Selkirk, NY 12158 - 1510
NYSDEC Permit No. 4A-314

Truck Number: NY-AV96868

Date: 12/9/2011 Scheduled Time: 830
Time Out: 900

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**

AS AGENT FOR NYSEG
SIGNATURE: EMICHAEL FLYNN PRINT NAME: EMICHAEL FLYNN (AGENTS)

DRIVER:

SIGNATURE: [Signature] PRINT NAME: WILLIAM HOVER

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11- 0043****TRANSPORTER:**

Cedar Hill Trucking, Inc.
1021 River Road
Selkirk, NY 12158 - 1510
NYSDEC Permit No. 4A-314

Truck Number: NY-AA10180

Date: 12/9/2011 Scheduled Time: 700
Time Out: 910

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**

AS AGENT FOR NYSEG
SIGNATURE: E. MICHAEL FLYNN PRINT NAME: E. Michael Flynn (ARCADES)

DRIVER:

SIGNATURE: [Signature] PRINT NAME: mike Pelton

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0044

TRANSPORTER: Northeast Enterprises of NY LLC.
14 Flint Drive
Postenkill, NY 12140
NYSDEC Permit No. 4A-548

Truck Number: NY-AR 76120

Date: 12/9/2011 Scheduled Time: 1015
Time Out: 1030

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: *AS AGENT FOR NYSEG*
SIGNATURE: E. MICHAEL FLYNN PRINT NAME: E. Michael Flynn (MCADIES)

DRIVER:
SIGNATURE: [Signature] PRINT NAME: ERIC SCHMIDT

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11- 00045****TRANSPORTER:**

Cedar Hill Trucking, Inc.
1021 River Road
Selkirk, NY 12158 - 1510
NYSDEC Permit No. 4A-314

Truck Number: NY- 117305

Date: 12/9/2011 Scheduled Time: 1100
Time Out: 1115

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**AS AGENT FOR NYSEG
SIGNATURE: E. MICHAEL FLYNNPRINT NAME: E. Michael Flynn (ARCADIS)**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Jashua A. Brate**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11- 0046****TRANSPORTER:**

Cedar Hill Trucking, Inc.
1021 River Road
Selkirk, NY 12158 - 1510
NYSDEC Permit No. 4A-314

Truck Number: NY-1030B3Date: 12/9/2011

Scheduled Time:

1200

Time Out:

1215**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:***AS AGENT FOR NYSEG*SIGNATURE: E. MICHAEL FLYNN

PRINT NAME:

E. Michael Flynn (AGGADIS)**DRIVER:**SIGNATURE: James Therrien

PRINT NAME:

James Therrien**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-00047

TRANSPORTER: Cedar Hill Trucking, Inc.
1021 River Road
Selkirk, NY 12158 - 1510
NYSDEC Permit No. 4A-314
Truck Number: NY-AR 85395
Date: 12/9/2011 Scheduled Time: 1200
Time Out: 1215

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E. MICHAEL FLYNN PRINT NAME: E. Michael Flynn (ARCADIS)
DRIVER: SIGNATURE: [Signature] PRINT NAME: Michael Jordan
CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-00048****TRANSPORTER:**

Cedar Hill Trucking, Inc.
1021 River Road
Selkirk, NY 12158 - 1510
NYSDEC Permit No. 4A-314

Truck Number: NY-1183BY

Date: 12/9/2011 Scheduled Time: 1230
Time Out: 1240

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**

AS AGENT FOR NYSEG
SIGNATURE: E. MICHAEL FLYNN

PRINT NAME: E. Michael Flynn (MCADES)**DRIVER:**SIGNATURE: PRINT NAME: Larry Rosen**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0049****TRANSPORTER:**

Longhorn Trucking
6605 State Highway 5
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: ADY - AC 81317Date: 12/13/11Scheduled Time: 745Time Out: 0840**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. ~35 tons**SHIPPER:**SIGNATURE: [Signature]PRINT NAME: Casey Connell

AGENT
FOR
NYSEG

DRIVER:SIGNATURE: [Signature]PRINT NAME: John Marsella**CONSIGNEE:**

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-SD****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: 44 AM 7943Date: 12/13/11

Scheduled Time:

830

Time Out:

700**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: [Signature]PRINT NAME: KATHY CORNWELL ARNDIS

AGGT
FOR
NYSEG

DRIVER:SIGNATURE: [Signature]PRINT NAME: NOLAN TURCOTTE**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0051**

TRANSPORTER: JBG Transport
1578 Baldwin Corners Road
Fort Ann, NY 12827
NYSDEC Permit No. 5A-683

Truck Number: 12/1543350Date: 12/13/11 Scheduled Time: 900
Time Out: 1030

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4081)**Weight: Est. ~35 tons

SHIPPER: SIGNATURE: [Signature] PRINT NAME: Kasey Bernick HARRIS

DRIVER: SIGNATURE: [Signature] PRINT NAME: JASON

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

AGENT
FOR
NYSEG

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0052

TRANSPORTER:

ANJ MORRIS CORPORATION
725 Shells Bush Rd
Herkimer, NY 13350
NYSDEC Permit No. 6A-270

Truck Number: NY 45 99586

Date: 12/13/11

Scheduled Time:

9:30

Time Out:

1100

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. ~85 tons

SHIPPER:

SIGNATURE: Kathy Cornwell

PRINT NAME:

Kathy Cornwell ^{AGENT} _{FOR} _{NYSEG}

DRIVER:

SIGNATURE: Will Conroy

PRINT NAME:

Will Conroy

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0053

TRANSPORTER:

CASON, INC
3659 Western Turnpike
Duanesburg, NY 12056
NYSDEC Permit No. 4A-267

Truck Number: NY BA 50302

Date: 12/13/11

Scheduled Time:

1000

Time Out:

1120

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. ~35 tons

SHIPPER:

SIGNATURE: Kasey Cornwell

PRINT NAME: Kasey Cornwell

AR1025

AGENT
FOR
NYSEG

DRIVER:

SIGNATURE: EJ Patchen

PRINT NAME: EJ Patchen

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0054

TRANSPORTER: Longhorn Trucking
6605 State Highway 5
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485
Truck Number: NY ^Q 8A 81335
Date: 12/13/11 Scheduled Time: 1015
Time Out: 1145

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: SIGNATURE: Kasey Bernwell PRINT NAME: Kasey Bernwell ^{ALERT} ^{FOR} ^{ALUM}
DRIVER: SIGNATURE: Chris D. Hersh PRINT NAME: Chris D. Hersh

CONSIGNEE:

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-56

TRANSPORTER: CASON, INC
3659 Western Turnpike
Duanesburg, NY 12056
NYSDEC Permit No. 4A-267

Truck Number: NY A10 99095

Date: 12/12/11 Scheduled Time: 1100
Time Out: 1230

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. ~35 tons

SHIPPER: SIGNATURE: [Signature] PRINT NAME: Karen Cornwell ^{Attest}
_{for}
_{NYSDEC}

DRIVER: SIGNATURE: [Signature] PRINT NAME: Mike Ackley

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-56

TRANSPORTER:

CASON, INC
3659 Western Turnpike
Duanesburg, NY 12056
NYSDEC Permit No. 4A-267

Truck Number: NY 103183

Date: 12/13/11

Scheduled Time: 1100

Time Out: 1310

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. ~35 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: Yusef Denueh

AGENT
FOR
NYSEG

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: Thomas Pisanò

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0057

TRANSPORTER:

Longhorn Trucking
6605 State Highway 5
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY AC 51450

Date: 12/13/11

Scheduled Time: 1115

Time Out: 1345

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: FACIL CORNWELL

AGENT
FOR
NYSEG

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: Ben Morris

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0058****TRANSPORTER:**

Longhorn Trucking
6605 State Highway 5
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY AV 35790Date: 12/13/11Scheduled Time: 1230Time Out: 1400**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: Karen [Signature]PRINT NAME: Karen [Signature]

Attn:
For
NYSEG

DRIVER:SIGNATURE: William DingmanPRINT NAME: William Dingman**CONSIGNEE:**

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11- 0059

TRANSPORTER: ANJ MORRIS CORPORATION
725 Shells Bush Rd
Herkimer, NY 13350
NYSDEC Permit No. 6A-270

Truck Number: NY AV79951

Date: 12/14/11 Scheduled Time: 7:00
Time Out: 8:35

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. ~35 tons

SHIPPER:
SIGNATURE: Kasey Cornwell PRINT NAME: Kasey Cornwell Atkins

ATTN
FOR
NYSEG

DRIVER:
SIGNATURE: Brian Morris PRINT NAME: Brian Morris

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0060****TRANSPORTER:**

ANJ MORRIS CORPORATION

725 Shells Bush Rd
Herkimer, NY 13350

NYSDEC Permit No. 6A-270

Truck Number: NY AT 76033Date: 12/14/11Scheduled Time: 700Time Out: 805**CONSIGNEE:**ESMI of New York
304 Towpath Road
Fort Edward, New York 12828**SHIPPER:**NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902**SITE LOCATION:**NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: Kasey CornwellPRINT NAME: Kasey Cornwell ^{AGENT} _{FOR} ARACIS _{NYSEG}**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Mike Stone**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0061****TRANSPORTER:**

CASON, INC
3659 Western Turnpike
Duanesburg, NY 12056
NYSDEC Permit No. 4A-267

Truck Number: NY AV 52984Date: 12/14/11Scheduled Time: 700

Time Out: _____

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: Karl Bernell ArlowsPRINT NAME: Karl Bernell Arlows

Attest
for
NYSEG

DRIVER:SIGNATURE: Michael NewcombPRINT NAME: Michael Newcomb**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0062****TRANSPORTER:**

CASON, INC
3659 Western Turnpike
Duanesburg, NY 12056
NYSDEC Permit No. 4A-267

Truck Number: NY AV12287Date: 12/14/11Scheduled Time: 700Time Out: 930**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: Kathy ConnollyPRINT NAME: Kathy Connolly

Agent
FOR
NYSEG

DRIVER:SIGNATURE: Tyler PowellPRINT NAME: Tyler Powell**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0063****TRANSPORTER:**

Longhorn Trucking
6605 Slate Highway 5
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY - ACS1817Date: 12/14/11Scheduled Time: 800Time Out: 1030**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 435 tons**SHIPPER:**SIGNATURE: [Signature]PRINT NAME: Kasey Cornwell ARADIS**DRIVER:**SIGNATURE: [Signature]PRINT NAME: John Marshall**CONSIGNEE:**

Atty
For
NYSEG

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0064

TRANSPORTER:

CASON, INC
3659 Western Turnpike
Duanesburg, NY 12056
NYSDEC Permit No. 4A-267

Truck Number: NY-BA 50301

Date: 12/14/11

Scheduled Time:

Time Out:

930
1050

CONSIGNEE:

ESM! of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: Kasey Cornwell

PRINT NAME: Kasey Cornwell

Agent
for
NYSEG

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: Patrick Macdon

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-00065^B****TRANSPORTER:**

CASON, INC
3659 Western Turnpike
Duanesburg, NY 12056
NYSDEC Permit No. 4A-267

Truck Number: 12X-AT 62411Date: 12/14/11Scheduled Time: 9:30Time Out: 11:15**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 235 tons**SHIPPER:**SIGNATURE: Kasey CornwellPRINT NAME: Kasey Cornwell**DRIVER:**SIGNATURE: Robert MorrisPRINT NAME: Robert Morris**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

ABSENT
FOR
NYSEG

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0066****TRANSPORTER:**

Longhorn Trucking
6605 State Highway 5
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485
Truck Number: ^{NY-}AC 81335

Date: 12/14/11Scheduled Time: 900Time Out: 1200**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 7.35 tons**SHIPPER:**SIGNATURE: Karen CornwellPRINT NAME: Karen Cornwell ARENDT

Attent
FOR
ARNDT

DRIVER:SIGNATURE: Chet DillenbeckPRINT NAME: Chet Dillenbeck**CONSIGNEE:**

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0067****TRANSPORTER:**

Longhorn Trucking
6605 State Highway 5
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY 8A36905Date: 12/14/11Scheduled Time: 1120Time Out: 1230**CONSIGNEE:**

ESM of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

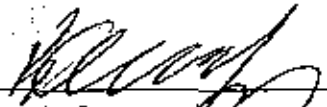
SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: PRINT NAME: Tracy CornwellAgent for NYSEG**DRIVER:**SIGNATURE: PRINT NAME: Chad Nare**CONSIGNEE:**

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0068****TRANSPORTER:**

Longhorn Trucking
8605 State Highway 5
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY 1281450Date: 12/14/11Scheduled Time: 1030Time Out: 1230**CONSIGNEE:**

ESM of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 235 tons**SHIPPER:**SIGNATURE: [Signature]PRINT NAME: Karen Connors**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Ben Morris**CONSIGNEE:**

Agent
Per
AG104

NYSEG

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P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11- 0069**

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AW6472Date: 12/15/2011Scheduled Time: 800Time Out: 830

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: Michael FlynnPRINT NAME: AS AGENT FOR NYSEG
EMICHAEL FLYNN (ARMEDS)**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Don Hayes**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0070

TRANSPORTER:

CEDAR HILL TRUCKING
1021 River Rd
Selkirk, NY
12158-1510
NYSDEC Permit No. 4A-314

Truck Number: NY-AD 80326

Date: 12/15/2011 Scheduled Time: 1000
Time Out: 1020

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCADES) *AS AGENT FOR NYSEG*

DRIVER:

SIGNATURE: Rich Carl PRINT NAME: Rich Carl

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG *ALLIVE B:IDAM*
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11- 0071

TRANSPORTER: CEDAR HILL TRUCKING
1021 River Rd
Selkirk, NY
12158-1510
NYSDEC Permit No. 4A-314

Truck Number: NY-AV96868

Date: 12/15/2011 Scheduled Time: 1030
Time Out: 1045

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: *AS AGENT: FOR NYSEG*
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENTS)

DRIVER:
SIGNATURE: [Signature] PRINT NAME: William E. Stover

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0072

TRANSPORTER: Northeast Enterprises of NY LLC.
14 Flint Drive
Postenkill, NY 12140
NYSDEC Permit No. 4A-548

Truck Number: NY-AR76120

Date: 12/15/2011 Scheduled Time:

Time Out:

1100

1145

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENTS)

DRIVER:
SIGNATURE: E. Schmidt PRINT NAME: ERIC SCHMIDT

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-⁰⁰⁷³~~0072~~ **EMF**

TRANSPORTER: CEDAR HILL TRUCKING
1021 River Rd
Selkirk, NY
12158-1510
NYSDEC Permit No. 4A-314

Truck Number: NY-AR85395

Date: 12/15/2011 Scheduled Time: # 800
Time Out: 1140

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCADES)

DRIVER:
SIGNATURE: [Signature] PRINT NAME: Michael Flynn

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0074**

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT26426Date: 12/15/2011Scheduled Time: 1145Time Out: 1200

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: AS AGENT FOR NYSEG
E. MICHAEL FLYNN (ARCADIS)**DRIVER:**SIGNATURE: ELPRINT NAME: EL BURN**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11- 0075

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AU50711

Date: 12/15/2011

Scheduled Time:

1200

Time Out:

1215

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn

PRINT NAME:

As Agent For NYSEG
E. MICHAEL FLYNN (ARCADES)

DRIVER:

SIGNATURE: K. Chambers

PRINT NAME:

K. Chambers

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0076

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT 26426

Date: 12/16/2011 Scheduled Time: 800
Time Out: 830

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARLUDES)

DRIVER:
SIGNATURE: Ed Burns PRINT NAME: Ed Burns

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11- 0077****TRANSPORTER:**

JBG Transport
1578 Baldwin Corners Road
Fort Ann, NY 12827
NYSDEC Permit No. 5A-883

Truck Number: NY-AS63350Date: 12/16/2011

Scheduled Time:

800

Time Out:

900**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn

PRINT NAME:

AS AGENT FOR NYSEGE. MICHAEL FLYNN (AGENTS)**DRIVER:**SIGNATURE: Jason Goodson

PRINT NAME:

JASON GOODSON**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11- 0078**

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AV 35629Date: 12/16/2011

Scheduled Time:

Time Out:

1140
1145

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn

PRINT NAME:

(As Agent for NYSEG)
E. MICHAEL FLYNN (ARCADES)**DRIVER:**SIGNATURE: [Signature]

PRINT NAME:

Justin Davidson**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0079**

TRANSPORTER: JBG Transport
1578 Baldwin Corners Road
Fort Ann, NY 12827
NYSDEC Permit No. 5A-683
Truck Number: NY BA 8D243
Date: 12/19/11 Scheduled Time: 700
Time Out: 800

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903
EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. ~ 35 tons

SHIPPER:
SIGNATURE: Kasey Benwell PRINT NAME: Kasey Benwell ARCADIS

DRIVER:
SIGNATURE: Joe Raycewid PRINT NAME: Joe Raycewid

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

Atty 17
FOR
NYSEG

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0080****TRANSPORTER:**

CASON, INC
3659 Western Turnpike
Duanesburg, NY 12056
NYSDEC Permit No. 4A-287

Truck Number: NY BA 50302Date: 12/19/11Scheduled Time: 930Time Out: 1015**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. ~35 tons**SHIPPER:**SIGNATURE: [Signature]PRINT NAME: Kasey Cornwell Atkins

AGENT
FOR
NYSEG

DRIVER:SIGNATURE: [Signature]PRINT NAME: EJ Patchen**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0081

TRANSPORTER: ANJ MORRIS CORPORATION
725 Shells Bush Rd
Herkimer, NY 13350
NYSDEC Permit No. 6A-270
Truck Number: ^{AV} NY 79957
Date: 12/19/11 Scheduled Time: 1000
Time Out: 1100

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903
EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. ~35 tons

SHIPPER: SIGNATURE: [Signature] PRINT NAME: Karen Carrigg ^{AGENT FOR NYSEG}

DRIVER: SIGNATURE: [Signature] PRINT NAME: Bernard Morris

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0082

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY A V 50711

Date: 12/14/11 Scheduled Time: 1030
Time Out: 1150

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: SIGNATURE: [Signature] PRINT NAME: K. Cornwell ^{AK67} _{ARRAIOIS for NYSEG}

DRIVER: SIGNATURE: [Signature] PRINT NAME: R. Chambers

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0083

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY AT 26426

Date: 12/19/11 Scheduled Time: 1230
Time Out: 1315

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
283 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 23 tons

SHIPPER: SIGNATURE: Karen Cornwell PRINT NAME: Karen Cornwell ^{Agent} _{for} ^{NYSEG}

DRIVER: SIGNATURE: [Signature] PRINT NAME: Ed Brown

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0084****TRANSPORTER:**

Longhorn Trucking
6605 State Highway 5
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY-AC81335Date: 12/20/2011

Scheduled Time:

Time Out:

8001000 1035EMF**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: AS AGENT FOR NYSEG
E. MICHAEL FLYNN (ALUAGES)**DRIVER:**SIGNATURE: Chris DillenkopfPRINT NAME: Chris Dillenkopf**CONSIGNEE:**

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0085****TRANSPORTER:**

CASON, INC
3659 Western Turnpike
Duanesburg, NY 12056
NYSDEC Permit No. 4A-267

Truck Number: NY-BA50301

Date: 12/20/2011 Scheduled Time: 1630
Time Out: 1110

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: *Michael Flynn*

PRINT NAME:

AS AGENT FOR NYSEG
EMILYANNE FLYNN (PACARDS)

DRIVER:SIGNATURE: *Richard Mack*

PRINT NAME:

*Richard Mack***CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11- 0086****TRANSPORTER:**

Longhorn Trucking
6605 State Highway 6
Fort Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY-AC 81450Date: 12/20/2011Scheduled Time: 1100Time Out: 1130**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: Eugene M FlynnPRINT NAME: AS AGENT FOR NOVELES
E. MICHAEL FLYNN (ARCADES)**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Ben Morris**CONSIGNEE:**

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-11-0087

TRANSPORTER:

CASON, INC
3659 Western Turnpike
Duanesburg, NY 12056
NYSDEC Permit No. 4A-267

Truck Number: NY-BA5030Z

Date: 12/21/11

Scheduled Time: 900

Time Out: 930

CONSIGNEE:

ESM of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn

AS AGENT FOR NYSEG
PRINT NAME: E. MICHAEL FLYNN (AGENTS)

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: EJ Patchen

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0088****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY BL 25806Date: 12/22/11Scheduled Time: 1000Time Out: 1100**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: Kasey CornwellPRINT NAME: Kasey Cornwell ARJVS**DRIVER:**SIGNATURE: [Signature]PRINT NAME: [Signature] AGENT FOR NYSEG**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0059

TRANSPORTER:

JBG Transport
1578 Baldwin Corners Road
FL Ann, NY 12827
NYSDEC Permit No. 5A-683

Truck Number: NY-BA 20243

Date: 1/10/12

Scheduled Time:

Time Out:

*ESME

Not BCL

EMP 2/8/2012

700

1155

CONSIGNEE:

Broome County Landfill —
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est 35 tons

SHIPPER:

SIGNATURE: Karen Perwell

PRINT NAME: Karen Perwell

ARCADIS

ALERT FOR NYSEG

DRIVER:

SIGNATURE: Jason Goodson

PRINT NAME: JASON Goodson

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0090****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25805Date: 2/8/2012

Scheduled Time:

1020

Time Out:

1025**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn

PRINT NAME:

AGENT FOR NYSEG
E. MICHAEL FLYNN (ARCADES)**DRIVER:**SIGNATURE: M. Kambourakis

PRINT NAME:

MARK KAMBOURAKIS**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0091

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AU50711

Date: 2/8/2012 Scheduled Time: 1045
Time Out: 1800

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: AS AGENT FOR NYSEG E. MICHAEL FLYNN (ANCAOS)

DRIVER: SIGNATURE: [Signature] PRINT NAME: A. Chambers

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11-0092****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT 26275Date: 2/8/2012

Scheduled Time:

1100

Time Out:

1115**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn

PRINT NAME:

AS AGENT FOR NYSEG
E. MICHAEL FLYNN (ALANIS)**DRIVER:**SIGNATURE: [Signature]

PRINT NAME:

Steve Babin**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0093

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT 26275

Date: 2/9/2012

Scheduled Time:

1300

Time Out:

1315

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: EMICHAEL FRYAN

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: Steve Baresby

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG
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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0094

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AV35629

Date: 2/9/2012 Scheduled Time: 1300
Time Out: 1330

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: EMILIAEL FLYNN (ALCADER)

DRIVER:
SIGNATURE: [Signature] PRINT NAME: Dan Hayes

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0095**

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT26275

Date: 2/10/2012 Scheduled Time: 1000
Time Out: 1015

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
283 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (AGENTS)**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Steve Baird**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0096**

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AU50711

Date: 2/10/2012 Scheduled Time: 1100
Time Out: 1130

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENTS)**DRIVER:**SIGNATURE: [Signature] PRINT NAME: Chambers**CONSIGNEE:**

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-11- 0097**

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AR77091

Date: 2/13/2012 Scheduled Time: 1260
Time Out: 1230

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCADIS)

DRIVER:
SIGNATURE: Beecher Daniels PRINT NAME: Beecher Daniels

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0098**

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735
Truck Number: NY-AT 26275

Date: 2/15/2012 Scheduled Time: 1100
Time Out: 1130

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCADES)
DRIVER:
SIGNATURE: [Signature] PRINT NAME: Steve Barnaby
CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0099****TRANSPORTER:**

JBG Transport
1578 Baldwin Corners Road
Fort Ann, NY 12827
NYSDEC Permit No. 5A-683

Truck Number NY-AS63350Date: 2/16/2012

Scheduled Time:

700

Time Out:

730**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4081)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: AGENT FOR NYSEG
E. MICHAEL FLYNN (RICAOLS)**DRIVER:**SIGNATURE: Jason GoodsonPRINT NAME: JASON GOODSON**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12- 0100**

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735
Truck Number: NY-BC 25805
Date: 2/16/2012 Scheduled Time: 1200
Time Out: 1230

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903
EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENT FOR NYSEG)

DRIVER: SIGNATURE: M. Kambas PRINT NAME: M. Kambas

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12- 0101

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT 26275

Date: 2/16/2012 Scheduled Time: 1300
Time Out: 1330

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ADDRESS) ^{AGENT FOR NYSEG}
DRIVER: SIGNATURE: [Signature] PRINT NAME: Steve Bondy
CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0102****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AP37446

Date: 2/10/2012 Scheduled Time: 1730
Time Out: 1900

CONSIGNEE:

ESM of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENT FOR NYSEG)**DRIVER:**SIGNATURE: John Alves PRINT NAME: John Alves**CONSIGNEE:**

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0103****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AU 50710Date: 2/17/2012

Scheduled Time:

Time Out:

700730**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

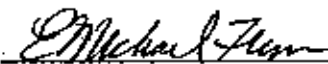
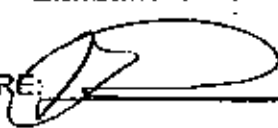
SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: PRINT NAME: AGENT FOR NYSEG
E. MICHAEL FLYNN (MCADES)**DRIVER:**SIGNATURE: PRINT NAME: Dan Hayes**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0104**

TRANSPORTER: JBG Transport
1578 Baldwin Corners Road
Fort Ann, NY 12827
NYSDEC Permit No. 5A-683

Truck Number: NY- A563350

Date: 2/17/2012 Scheduled Time: 730
Time Out: 800

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn PRINT NAME: E-MICHAEL FLYNN (AGENTS) ^{AGENT FOR NYSEG}**DRIVER:**SIGNATURE: Jason Goodson PRINT NAME: JASON GOODSON**CONSIGNEE:**

SIGNATURE: _____ PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12- 0105

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY- AW 57373

Date: 2/17/2012 Scheduled Time: 1300
Time Out: 1336

CONSIGNEE: ESML of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCADIS) *AS AGENT FOR NYSEG*

DRIVER: SIGNATURE: R. Lackey PRINT NAME: R. LACKEY

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0106****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AY35629

Date: 2/17/2012 Scheduled Time: 1430
Time Out: 1440

CONSIGNEE:

ESM! of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (AGUARDS) ^{*AGENT FOR NYSEG}**DRIVER:**SIGNATURE: Mark KambojskiPRINT NAME: MARK KAMBOJSKI**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0107****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT 26275Date: 2/17/2012Scheduled Time: 1500Time Out: 1530**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (AGC/DOES)**DRIVER:**SIGNATURE: Steve BandyPRINT NAME: Steve Bandy**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG
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Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0108

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AU-50711

Date: 2/17/2012 Scheduled Time: 1530
Time Out: 1540

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCAOCS) *AGENT FOR NYSEG*

DRIVER: SIGNATURE: [Signature] PRINT NAME: KEVIN EMPTIC

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG
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Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0109

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AS 63350

Date: 2/20/2012 Scheduled Time: 760
Time Out: 730

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCADIS)

DRIVER:
SIGNATURE: Jim Grodzki PRINT NAME: DAVID GRODZKI

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12- 0110****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AU50711

Date: 2/20/2012 Scheduled Time: 730
Time Out: 800

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4081)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGADES) ^{As Agent For NYSEG}**DRIVER:**SIGNATURE: K. Chambers PRINT NAME: K. Chambers**CONSIGNEE:**

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0111****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT 26426

Date: 2/20/2012 Scheduled Time: 800
Time Out: 830

CONSIGNEE:

ESM of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGADES) (AGENT FOR NYSEG)**DRIVER:**SIGNATURE: Ed Bora PRINT NAME: Ed Bora**CONSIGNEE:**

SIGNATURE: _____ PRINT NAME: _____

NYSEG
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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0112

TRANSPORTER: R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AR 77091

Date: 2/20/12 Scheduled Time: 900
Time Out: 930

CONSIGNEE: ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENT FOR NYSEG)

DRIVER: SIGNATURE: [Signature] PRINT NAME: Justine Davidson

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

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Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0113

TRANSPORTER:

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AV35629

Date: 2/20/12 Scheduled Time: 938
Time Out: 1100

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E Michael Flynn PRINT NAME: E MICHAEL FLYNN (MCAADS) ^{AGENT FOR NYSEG}

DRIVER:

SIGNATURE: Berchert Daniel PRINT NAME: Berchert Daniel

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0114****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY- AU50710

Date: 2/20/2012 Scheduled Time: 1300
Time Out: 1330

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (AGCADES)**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Dan Hayes**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0115

TRANSPORTER:

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AP 37446

Date: 2/20/2012 Scheduled Time: 1300
Time Out: 1330

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn

PRINT NAME: E. MICHAEL FLYNN (MICHAEL)

DRIVER:

SIGNATURE: M. Kamburelis

PRINT NAME: MARK KAMBURELIS

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0116

TRANSPORTER:

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AW64872

Date: 2/20/2012

Scheduled Time:

1500

Time Out:

1530

CONSIGNEE:

ESM of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn

AGENT FOR NYSEG
PRINT NAME: E. MICHAEL FLYNN (AGENTS)

DRIVER:

SIGNATURE: Lyke Galusha

PRINT NAME: Lyke Galusha

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0117****TRANSPORTER:**

JBG Transport
1578 Baldwin Corners Road
Fort Ann, NY 12827
NYSDEC Permit No. 5A-683

Truck Number: NY-AS 63350Date: 2/21/12Scheduled Time: 700Time Out: 730**CONSIGNEE:**

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (MCAADIS)**DRIVER:**SIGNATURE: J. GordonPRINT NAME: JASON GORDON**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0118

TRANSPORTER:

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: AU-50710 NY

Date: 2/21/12 Scheduled Time: 1200
Time Out: 1230

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: *E. Michael Flynn* PRINT NAME: E. MICHAEL FLYNN (AGENT FOR NYSEG)

DRIVER:

SIGNATURE: *[Signature]* PRINT NAME: Dan Hayes

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0119****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT26426

Date: 2/21/2012 Scheduled Time: 1200
Time Out: 1230

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGCART) ^{AGENT FOR NYSEG}**DRIVER:**SIGNATURE: ELV PRINT NAME: E. E. B. Ryan**CONSIGNEE:**

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0120****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AP 37446

Date: 2/21/2012 Scheduled Time: 1300
Time Out: 1330

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (ARCADIS) ^{Agent For NYSEG}**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Mark Lamburgh**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12-0121****TRANSPORTER:**

JBG Transport
1578 Baldwin Corners Road
Fort Ann, NY 12827
NYSDEC Permit No. 5A-683

Truck Number: NY-AS63350

Date: 2/22/2012 Scheduled Time: 1330
Time Out: 1330

CONSIGNEE:

ESM of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**

SIGNATURE: E. Michael Flynn PRINT NAME: AGENT FOR NYSEG E. MICHAEL FLYNN (ARCADES)

DRIVER:

SIGNATURE: Jason Goodson PRINT NAME: JOHN GOODSON

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12- 0122

TRANSPORTER:

R. Galusha Transport, LLC
1360 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY- AU 50711

Date: 2/22/2012

Scheduled Time:

1400

Time Out:

1430

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073188

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn

PRINT NAME:

AGENT FOR NYSEG
E. MICHAEL FLYNN (ARCADIS)

DRIVER:

SIGNATURE: K. Chambers

PRINT NAME:

K. Chambers

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12- 0123****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AP 37446

Date: 2/22/2012 Scheduled Time: 1430
Time Out: 1445

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCADES) AS AGENT FOR NYSEG**DRIVER:**SIGNATURE: Mark Kamburov PRINT NAME: MARK KAMBUBROV**CONSIGNEE:**

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-CE-12-0124

TRANSPORTER:

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT 26426

Date: 2/22/2012 Scheduled Time: 1500
Time Out: 1530

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn

PRINT NAME: AGENT FOR NYSEG E. MICHAEL FLYNN (MLADES)

DRIVER:

SIGNATURE: Ed Burke

PRINT NAME: Ed Burke

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONDITIONALLY EXEMPT SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-CE-12- 0125****TRANSPORTER:**

R. Galusha Transport, LLC
1380 Towpath Lane
Fort Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT26275

Date: 3/28/2012 Scheduled Time: 730
Time Out: 800

CONSIGNEE:

ESMI of New York
304 Towpath Road
Fort Edward, New York 12828

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY, 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
283 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

**CONDITIONALLY EXEMPT MGP REMEDIATION WASTE
(PER NYSDEC TAGM 4061)**

Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (ARCADIS)**DRIVER:**SIGNATURE: Steve BarnabyPRINT NAME: Steve Barnaby**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

Certificate of Treatment & Recycling

ESMI of New York hereby acknowledges the ***Treatment & Recycling***
of 4,683.84 tons of Coal Tar Contaminated Soil from

Court Street Former MGP Site
Binghamton, NY

by

Thermal Desorption

Certificate No. 032912-9158

Issued To: NYSEG

By: 

Peter C. Hansen, Compliance Manager
Environmental Soil Management of New York, LLC.

New York State DEC Permit No. 5-5330-00038/00019



Appendix O

Broome County Landfill Waste Profile
and Approval Letter

(Compact Disk only)

Division of Solid Waste Management
Broome County Landfill

Patrick J. Brennan, Broome County Executive • Daniel A. Schofield, Deputy Commissioner



286 Knapp Road • Binghamton, New York 13905
(607) 763-4450 • Fax (607) 763-4280 • Website: www.gobroomecounty.com

September 24, 2011

TRACY BLAZICEK
NYSEG
PO BOX 5224
BINGHAMTON, NY 13902

RE: CONTAMINATED SOIL (CS)
ARCADIS REF # B0013103

Dear Tracy :

This letter is to authorize you to dispose of contaminated soil at the Broome County Landfill. This approval is based on the above mentioned lab report. Further, we need to have a copy of your current Part 364 Industrial Waste Transporter permit to haul this material to the landfill. The contaminated soil originates from the following location: NYSEG COURT ST SITE BINGHAMTON BROOME COUNTY

You need to bring this letter with you to the Landfill to be allowed to dump the contaminated soil and 2 copies of the Broome County Landfill manifest must accompany each load. The charge for bringing the contaminated soil into the Landfill will be at the current tip fee of \$27.00 per ton.

Should you have any questions, please contact me at (607) 778-2932.

Sincerely,

A handwritten signature in cursive script that reads "Laurie Haskell".

Laurie Haskell
Solid Waste Specialist

LH:WAM

cc: Christopher Coddington, Director, Environmental Health
Lois Dilworth, Nanticoke Landfill CAC Chairman
Supervisor, Town of Nanticoke
Richard Hand, Broome County Landfill Supervisor

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-11-_____****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: _____

Date: _____ Scheduled Time: _____

Time Out: _____

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**

Weight: Est. _____ tons

SHIPPER:

SIGNATURE: _____ PRINT NAME: _____

DRIVER:

SIGNATURE: _____ PRINT NAME: _____

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

Company Name

NYSEG

Company Address

PO Box 5224, Binghamton, NY 13902-5224

Company Phone & Fax

607-762-8839 (phone) 607-762-8451 (fax)

Waste Shipment Record

Manifest #: _____

GENERATOR INFORMATION																							
Generator Name: NYSEG		Job #:																					
Address: PO Box 5224 Binghamton NY 13902		Location: Binghamton Court St. MGP Site																					
Contact Name: Tracy Blazicek		Address: 293 Court Street																					
Phone Number: 607-237-5325		Binghamton, NY 13902																					
Description of Waste:		<table border="1"> <thead> <tr> <th>Containers Quantity</th> <th>Type</th> <th>Volume in Cubic Yards</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		Containers Quantity	Type	Volume in Cubic Yards																	
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Auto Fluff	Description:																						
TRANSPORTER #1		DESTINATION (Disposal Facility)																					
Transporter Name: R. Galusha Transport, LLC		Disposal Facility's Name: Broome County Landfill																					
Address: 1380 Towpath Lane		Address: 286 Knapp Road																					
City, State, Zip: Ft. Edward, NY 12828		City, State, Zip: Binghamton, NY 13905																					
Phone #: 518-747-2065		Phone #: 607-763-4434																					
DEC/EPA Permit #: 5A-735		6NYCRR 360 Permit #: 7-0399-0027/00002																					
Name of Driver (print):		Name of Authorized Agent (Print):																					
I hereby warrant that the above named and described material was from the owner on the date of receipt referenced below.		I hereby warrant that the above named and described material was accepted from the transporter on the date of receipt referenced below.																					
Signature of Driver _____ Date of Receipt _____		Signature of Disposal Facilities _____ Date of Receipt _____ Authorized Agent																					
I hereby warrant that the above named and described material was delivered without incident or contamination on the date of delivery referenced below.		The material delivered by the transporter has been rejected for disposal at this disposal site.																					
Signature of Driver _____ Date of Receipt _____		Signature of Disposal Facilities _____ Date of Receipt _____ Authorized Agent																					
		Landfill Ticket Number: _____																					

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-_____

TRANSPORTER: JBG Transport
1578 Baldwin Corners Road
Ft. Ann, NY 12827
NYSDEC Permit No. 5A-683

Truck Number: _____

Date: _____ Scheduled Time: _____
Time Out: _____

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. _____ tons

SHIPPER:
SIGNATURE: _____ PRINT NAME: _____

DRIVER:
SIGNATURE: _____ PRINT NAME: _____

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

Company Name

NYSEG

Company Address

PO Box 5224, Binghamton, NY 13902-5224

Company Phone & Fax

607-762-8839 (phone) 607-762-8451 (fax)

Waste Shipment Record

Manifest #: _____

GENERATOR INFORMATION																							
Generator Name: NYSEG		Job #:																					
Address: PO Box 5224 Binghamton NY 13902		Location: Binghamton Court St. MGP Site																					
Contact Name: Tracy Blazicek		Address: 293 Court Street																					
Phone Number: 607-237-5325		Binghamton, NY 13902																					
Description of Waste:		<table border="1"> <thead> <tr> <th>Containers Quantity</th> <th>Type</th> <th>Volume in Cubic Yards</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		Containers Quantity	Type	Volume in Cubic Yards																	
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Stabalized Sludge																							
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Contam Soil Bury	Other																						
Auto Fluff	Description:																						
TRANSPORTER #1		DESTINATION (Disposal Facility)																					
Transporter Name: JBG Transport		Disposal Facility's Name: Broome County Landfill																					
Address: 1578 Baldwin Corners Road		Address: 286 Knapp Road																					
City, State, Zip: Ft. Ann, NY 12827		City, State, Zip: Binghamton, NY 13905																					
Phone #: 518-791-6106		Phone #: 607-763-4434																					
DEC/EPA Permit #: 5A-683		6NYCRR 360 Permit #: 7-0399-0027/00002																					
Name of Driver (print):		Name of Authorized Agent (Print):																					
I hereby warrant that the above named and described material was from the owner on the date of receipt referenced below.		I hereby warrant that the above named and described material was accepted from the transporter on the date of receipt referenced below.																					
Signature of Driver _____ Date of Receipt _____		Signature of Disposal Facilities _____ Date of Receipt _____ Authorized Agent																					
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		Landfill Ticket Number: _____																					

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-_____

TRANSPORTER:

Longhorn Trucking Company, Inc.
6605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: _____

Date: _____ Scheduled Time: _____

Time Out: _____

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. _____ tons

SHIPPER:

SIGNATURE: _____ PRINT NAME: _____

DRIVER:

SIGNATURE: _____ PRINT NAME: _____

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

Company Name

NYSEG

Company Address

PO Box 5224, Binghamton, NY 13902-5224

Company Phone & Fax

607-762-8839 (phone) 607-762-8451 (fax)

Waste Shipment Record

Manifest #: _____

GENERATOR INFORMATION																							
Generator Name: NYSEG		Job #:																					
Address: PO Box 5224 Binghamton NY 13902		Location: Binghamton Court St. MGP Site																					
Contact Name: Tracy Blazicek		Address: 293 Court Street																					
Phone Number: 607-237-5325		Binghamton, NY 13902																					
Description of Waste:		<table border="1"> <thead> <tr> <th colspan="2">Containers</th> <th rowspan="2">Volume in Cubic Yards</th> </tr> <tr> <th>Quantity</th> <th>Type</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		Containers		Volume in Cubic Yards	Quantity	Type															
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Auto Fluff	Description:																						
TRANSPORTER #1		DESTINATION (Disposal Facility)																					
Transporter Name: Longhorn Trucking Co., Inc.		Disposal Facility's Name: Broome County Landfill																					
Address: 6605 State Highway 5		Address: 286 Knapp Road																					
City, State, Zip: Ft. Plain, NY 13339		City, State, Zip: Binghamton, NY 13905																					
Phone #: 518-993-3480		Phone #: 607-763-4434																					
DEC/EPA Permit #: 4A-485		6NYCRR 360 Permit #: 7-0399-0027/00002																					
Name of Driver (print):		Name of Authorized Agent (Print):																					
I hereby warrant that the above named and described material was from the owner on the date of receipt referenced below.		I hereby warrant that the above named and described material was accepted from the transporter on the date of receipt referenced below.																					
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Signature of Driver _____ Date of Receipt _____		Signature of Disposal Facilities _____ Date of Receipt _____ Authorized Agent																					
		Landfill Ticket Number: _____																					



Appendix P

Nonhazardous Solid Waste Manifests
and Weigh Tickets for Soil Disposed
at Broome County Landfill

(Compact Disk only)

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0001

TRANSPORTER:

Longhorn Trucking Company, Inc.
6605 State Highway 5
Fl Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: ¹³⁴AC 61313

Date: 11/10/11

Scheduled Time:

7:00

Time Out:

8:40

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: Kasey Corwell

PRINT NAME: Kasey Corwell AR1405

AGENT
FOR
NYSEG

DRIVER:

SIGNATURE: John Marshall

PRINT NAME: John Marshall

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0002

TRANSPORTER: Longhorn Trucking Company, Inc.
6605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY-ACB1317

Date: 11/10/11 Scheduled Time: 1000
Time Out: 1030

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: Karen Cornwell

AGENT
FOR
NYSEG

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: John Marshall

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0003

TRANSPORTER: Longhorn Trucking Company, Inc.
8605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY A 281317

Date: 11/10/11 Scheduled Time: 1140
Time Out: 1240

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. ~35 tons

SHIPPER: SIGNATURE: [Signature] PRINT NAME: Kasey Cornwell Azuoris

DRIVER: SIGNATURE: [Signature] PRINT NAME: John Marshall

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

AGENT
FOR
NYSEG

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0004

TRANSPORTER: Longhorn Trucking Company, Inc.
6605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY ACB1317

Date: 11/14/11 Scheduled Time: 0730
Time Out: 0155

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. ~ 38 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: Kasey Cornwell

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: John Marshall

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

APPROX
FOR
NYSEG

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0005

TRANSPORTER: Longhorn Trucking Company, Inc.
6605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY-AC B1450

Date: 11/14/11 Scheduled Time: 0830
Time Out: 0855

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 238 tons

SHIPPER: SIGNATURE: [Signature] PRINT NAME: Kasey Coenraets ^{AGENT} FOR NYSEG
DRIVER: SIGNATURE: [Signature] PRINT NAME: Ben Morris
CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

REMEDIATION WASTE SOLID WASTE REPORT

NYSEG Manifest No. BING COURT-RW-11-0006

TRANSPORTER: Longhorn Trucking Company, Inc.
6605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY AEB1317

Date: 11/14/11 Scheduled Time: 0910
Time Out: 0955

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. ~ 38 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: Kasey Cornwell Azadis

AGENT
FOR
NYSEG

* **DRIVER:**

SIGNATURE: [Signature]

PRINT NAME: John Marshall

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0007

TRANSPORTER: Longhorn Trucking Company, Inc.
6605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY-AD 81450

Date: 11/14/11 Scheduled Time: 1000
Time Out: 1040

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. ~38 tons

SHIPPER:
SIGNATURE: [Signature] PRINT NAME: Kasey Cornwall **AGENT FOR NYSEG**

DRIVER:
SIGNATURE: [Signature] PRINT NAME: Ben Morris

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-000-96

TRANSPORTER: Longhorn Trucking Company, Inc.
6805 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY 40 B1317

Date: 11/14/11

Scheduled Time: 1115

Time Out: 1140

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight Est. ~38 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: Casey Brownell Adams

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: John E. Marshall

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

AGENT
FOR
NYSEG

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-00089⁸

TRANSPORTER: Longhorn Trucking Company, Inc.
6605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: 24 NO 31450

Date: 11/14/11 Scheduled Time: 1150
Time Out: 1220

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 38 tons

SHIPPER: SIGNATURE: [Signature] PRINT NAME: Kasey Cornwell ARCADIS

Agent
FOR
NYSEG

DRIVER: SIGNATURE: [Signature] PRINT NAME: Ben Morris

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0010

TRANSPORTER: Longhorn Trucking Company, Inc.
6605 State Highway 5
Fl. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY Ap. 81317

Date: 11/14/11 Scheduled Time: 1250
Time Out: 1320

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 38 tons

SHIPPER:
SIGNATURE: Kaszi Bernadett PRINT NAME: Kaszi Bernadett Bernadett *AGENT FOR NYSEG*

DRIVER:
SIGNATURE: John E. Marshall PRINT NAME: John E. Marshall

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11- 0011

TRANSPORTER: Longhorn Trucking Company, Inc.
6605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY-AC01317

Date: 11/5/11

Scheduled Time:

0730

Time Out:

0800

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 38 tons.

SHIPPER:

SIGNATURE: Kasey Cornwell

PRINT NAME: Kasey Cornwell

DRIVER:

SIGNATURE: John Marshall

PRINT NAME: John Marshall

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

Agent
Pik
NYSEG

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0012

TRANSPORTER: Longhorn Trucking Company, Inc.
6605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY- A C B 1317

Date: 11/15/11 Scheduled Time: 0915
Time Out: 0950

CONSIGNEE: Broome County Landfill
288 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 38 tons

SHIPPER:
SIGNATURE: [Signature] PRINT NAME: Kasey Cornwell Adams Agent
for
NYSEG

DRIVER:
SIGNATURE: [Signature] PRINT NAME: John Marshall

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0013

TRANSPORTER:

Longhorn Trucking Company, Inc.
6605 State Highway 5
Ft. Plain, NY 13338
NYSDEC Permit No. 4A-485

Truck Number: NY-AA-B1317

Date: 11/15/11

Scheduled Time: 1115

Time Out: 1150

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

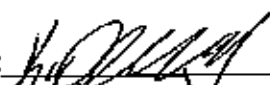
EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

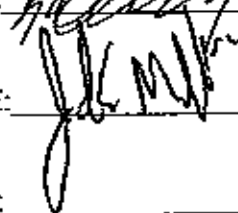
Weight: Est. ~38 tons

SHIPPER:

SIGNATURE: 

PRINT NAME: Casey Cornwell ARCADIS

DRIVER:

SIGNATURE: 

PRINT NAME: John Marshall

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

AGGT
FOR
NYSEG

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-2014

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY - BC 25806

Date: 11/15/11 Scheduled Time: 800
17 Time Out: 840

CONSIGNEE: Broome County Landfill
288 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. ~18 tons

SHIPPER:
SIGNATURE: _____ PRINT NAME: Kerry Cornwell ARADIS

AGENT
FOR
NYSEG

DRIVER:
SIGNATURE: [Signature] PRINT NAME: ELB

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0015

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY 86-2570

Date: 11/12/11 Scheduled Time: 1100
Time Out: 1130

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. ~23 tons

SHIPPER: SIGNATURE: [Signature] PRINT NAME: Kyle Bernwell Knapp

AGENT
FOR
NYSEG

DRIVER: SIGNATURE: [Signature] PRINT NAME: Ed Zim,

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0016

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY RC 2506

Date: 11/17/11 Scheduled Time: 1230
Time Out: 1305

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 23 tons

SHIPPER:
SIGNATURE: [Signature] PRINT NAME: Vasey Cornwell ARADIS

AGENT
FOR
NYSEG

DRIVER:
SIGNATURE: [Signature] PRINT NAME: Ed Bl

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST**NYSEG Manifest No. BING COURT-RW-11-DD17****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Fl. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY 00 35806Date: 11/29/11Scheduled Time: 7:15Time Out: 7:55**CONSIGNEE:**

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONSTRUCTION & DEMOLITION DEBRIS**Weight: Est. 23 tons**SHIPPER:**SIGNATURE: [Signature]PRINT NAME: Kasay Cornwell Arzoois

Agent
For
NYSEG

DRIVER:SIGNATURE: [Signature]PRINT NAME: Ed Burns**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0018

TRANSPORTER:

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BL 25806

Date: 11/27/11

Scheduled Time: 900

Time Out: 945

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. ~ 23 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: Kasey Cornwell Arcadis

AGENT
FOR
NYSEG

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: Ed Bush

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0019

TRANSPORTER:

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY - BC 25806

Date: 11/29/11

Scheduled Time: 1050

Time Out: 1125

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. ~ 23 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: Yusef Cornwell AGENT

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: Ed Boos

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST**NYSEG Manifest No. BING COURT-RW-11-0020****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY BC 25806Date: 11/29/11Scheduled Time: 1210Time Out: 1305**CONSIGNEE:**

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONSTRUCTION & DEMOLITION DEBRIS**Weight: Est. 218 tons**SHIPPER:**SIGNATURE: Kasey CornwellPRINT NAME: Kasey Cornwell ARADIS

AGENT
FOR
NYSEG

DRIVER:SIGNATURE: [Signature]PRINT NAME: Ed [Signature]**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-11- 0021

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT26426

Date: 12/15/2011 Scheduled Time: 830
Time Out: 845

CONSIGNEE: Broome County Landfill
288 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. 35 tons

SHIPPER: *AGENT FOR NYSEG*
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENTS)

DRIVER:
SIGNATURE: [Signature] PRINT NAME: Ed Burns

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST**NYSEG Manifest No. BING COURT-RW-11-0022****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AU50711

Date: 12/15/2011 Scheduled Time: 845
Time Out: 900

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONSTRUCTION & DEMOLITION DEBRIS**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (AGENTS)*AS AGENT FOR NYSEG***DRIVER:**SIGNATURE: P. ChambersPRINT NAME: P. Chambers**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0023

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AV35629

Date: 12/16/2011 Scheduled Time: 900
Time Out: 930

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENTS)

DRIVER:
SIGNATURE: [Signature] PRINT NAME: Justin Doughton

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0024

TRANSPORTER: ANJ MORRIS CORPORATION
725 Shells Bush Rd
Herkimer, NY 13350
NYSDEC Permit No. 6A-270

Truck Number: NY AV79957

Date: 12/19/11

Scheduled Time: 8:00

Time Out: 8:50

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. ~35 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: KASEY CORNWELL ABLECKS

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: BRIAN MORRIS

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

AGENT
FOR
NYSEG

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-11-0025****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY AT 26426Date: 12/19/11Scheduled Time: 700Time Out: 910**CONSIGNEE:**

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 235 tons**SHIPPER:**SIGNATURE: [Signature]PRINT NAME: James A. Carrigg

Agent
for
NYSEG

DRIVER:SIGNATURE: [Signature]PRINT NAME: EPK**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0026

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY AUSD711

Date: 12/19/11 Scheduled Time: 800
Time Out: 915

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: SIGNATURE: K. J. Cornell PRINT NAME: K. J. Cornell ^{AGENT FOR NYSEG}

DRIVER: SIGNATURE: K. Chandler PRINT NAME: K. Chandler

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-002408 (27)

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY AT 26424

Date: 12/19/11 Scheduled Time: 1030
Time Out: 121125

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 235 tons

SHIPPER: SIGNATURE: [Signature] PRINT NAME: Kerry Bennett AEROS

DRIVER: SIGNATURE: [Signature] PRINT NAME: Ed Bura

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

Attn:
PR
NYSEG

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0028

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25806

Date: 12/21/11 Scheduled Time: 800
Time Out: 830

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E Michael Flynn PRINT NAME: E MICHAEL FLYNN (AGENTS)

DRIVER:
SIGNATURE: Ed Burns PRINT NAME: Ed Burns

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0029

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC 25806

Date: 12/21/2011 Scheduled Time: 1000
Time Out: 1030

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENTS)

DRIVER:
SIGNATURE: [Signature] PRINT NAME: Ed Burt

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0030

TRANSPORTER:

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-DC25806

Date: 12/21/11 Scheduled Time: 1100
Time Out: 1130

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
283 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: EMichael Flynn PRINT NAME: AGENT FOR NYSEG
EMICHAEL FLYNN (ANALYST)

DRIVER:

SIGNATURE: EB PRINT NAME: EB

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11- 0031

TRANSPORTER:

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25806

Date: 12/21/2011 Scheduled Time: 1200
Time Out: 1230

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E Michael Flynn PRINT NAME: E MICHAEL FLYNN (AGCASS) ^{AGENT FOR NYSEG}

DRIVER:

SIGNATURE: _____ PRINT NAME: _____

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11- 0032

TRANSPORTER:

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25806

Date: 12/21/2011

Scheduled Time:

1500

Time Out:

1510

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn

PRINT NAME: AS AGENT FOR NYSEG
E. MICHAEL FLYNN/ARCADIS

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: FE & BURKE

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG
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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0033

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-3C 25806

Date: 12/22/11 Scheduled Time: 800
Time Out: 845

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. ~35 tons

SHIPPER: SIGNATURE: [Signature] PRINT NAME: KACU BERNWELL ARLOWS AGENT FOR NYSEG

DRIVER: SIGNATURE: [Signature] PRINT NAME: Ed Burke

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-12-0034

TRANSPORTER:

~~Longhorn Trucking Company, Inc.~~ GALUSHA (EMF)
6605 State Highway 5
Ft. Plain, NY 13339
NYSDEC Permit No. 4A-485

Truck Number: NY-BC25806

Date: 1/26/2012

Scheduled Time:

800

Time Out:

815

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Fawn

PRINT NAME: E. MICHAEL FAWN (ARCADIS)

AS AGENT FOR NYSEG

DRIVER:

SIGNATURE: E. H. Brown

PRINT NAME: E. H. Brown

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-12 0035

TRANSPORTER:

R. Galusha Transport, LLC.
1380 Towpath Lane
Fl. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25806

Date: 1/26/2012

Scheduled Time:

1000

Time Out:

1010

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn

PRINT NAME: E. MICHAEL FLYNN (ALCAOIS)

AS AGENT FOR NYSEG

DRIVER:

SIGNATURE: Ed Burn

PRINT NAME: Ed Burn

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-12-0036

TRANSPORTER:

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25806

Date: 1/26/2012

Scheduled Time:

1030

Time Out:

1040

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: Michael Flynn

PRINT NAME: E. MICHAEL FLYNN (MCADES)

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: Ed Burns

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12- 0037

TRANSPORTER:

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25805

Date: 2/8/2012

Scheduled Time:

730

Time Out:

745

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn

PRINT NAME: AGENT FOR NYSEG
EMILIAEL FLYNN (MAGADES)

DRIVER:

SIGNATURE: Mark Lamberti

PRINT NAME: MARK LAMBERTI

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-12-0038

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC 25806

Date: 2/8/2012 Scheduled Time: 800
Time Out: 815

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENT)

DRIVER: SIGNATURE: [Signature] PRINT NAME: EE Bow

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12- 0039

TRANSPORTER:

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AF 26275

Date: 2/8/2012

Scheduled Time:

830

Time Out:

845

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: [Signature]

PRINT NAME: AGENT FOR NYSEG
EMICHAEL FERNAN (MCAORS)

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: Steve Barnaby

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG
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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12- 0040

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY- AU50711

Date: 2/8/2012 Scheduled Time: 830
Time Out: 845

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Ceurl Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENTS) AGENT FOR NYSEG

DRIVER: SIGNATURE: [Signature] PRINT NAME: [Signature]

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0041**

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC 25806

Date: 2/8/2012 Scheduled Time: 930
Time Out: 945

CONSIGNEE: Broome County Landfill
288 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONSTRUCTION & DEMOLITION DEBRIS**

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGCADES) ^{AGENT FOR NYSEG}

DRIVER: SIGNATURE: [Signature] PRINT NAME: ES RW

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG
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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0042

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AF 26275

Date: 2/8/2012 Scheduled Time: 950
Time Out: 1005

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Funn PRINT NAME: E. MICHAEL FUNN (AGENTS) *AGENT FOR NYSEG*

DRIVER: SIGNATURE: [Signature] PRINT NAME: Steve Barnaby

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12- 0043

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25805

Date: 2/8/2012 Scheduled Time: 1815
Time Out: 1830

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: *AGENT FOR NYSEG*
SIGNATURE: *E. Michael Flynn* PRINT NAME: E. MICHAEL FLYNN (MCAOES)

DRIVER:
SIGNATURE: *Ed Burns* PRINT NAME: Ed Burns

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0044**

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AF26275

Date: 2/9/2012 Scheduled Time: 730
Time Out: 745

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E Michael FlynnAGENT FOR NYSEG
PRINT NAME: E MICHAEL FLYNN (ARCADIS)**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Steve Barnaby**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12-0045****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25806

Date: 2/9/2012 Scheduled Time: 800
Time Out: 815

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**

SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCADES) *AGENT FOR NYSEG*

DRIVER:

SIGNATURE: ELK PRINT NAME: ELK

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12- 0046

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT26275

Date: 2/9/2012 Scheduled Time: 845
Time Out: 910

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCADIS) AS AGENT FOR NYSEG

DRIVER: SIGNATURE: [Signature] PRINT NAME: Steve Banaby

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12-0047**

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-8C25806

Date: 2/9/2012 Scheduled Time: 9:45
Time Out: 10:00

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**

SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENT FOR NYSEG)

DRIVER:

SIGNATURE: EJ PRINT NAME: Ed Burr

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0048****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-ATZ6275Date: 2/9/2012Scheduled Time: 1100Time Out: 1115**CONSIGNEE:**

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: [Signature]PRINT NAME: AGENT FOR NYSEG
EMILIO A. FUNN (ARCADES)**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Steve Bandy**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12-0049

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AV35629

Date: 2/9/2012 Scheduled Time: 1100
Time Out: 1138

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E Michael Flynn PRINT NAME: AGENT FOR NYSEG E MICHAEL FLYNN (ARCADIS)

DRIVER: SIGNATURE: [Signature] PRINT NAME: Don Hayes

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-11-0050

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
FL Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AF26275

Date: 2/10/2012 Scheduled Time: 700
Time Out: 730

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: *AGENT FOR NYSEG*
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ALLEGES)

DRIVER:
SIGNATURE: [Signature] PRINT NAME: Steve Rainaby

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12-0051****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AU50711Date: 2/10/2012

Scheduled Time:

730

Time Out:

800**CONSIGNEE:**

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN*AS AGENT FOR NYSEG**(ARCADES)***DRIVER:**SIGNATURE: K. ChambersPRINT NAME: K. Chambers**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12-0052**

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AR77091

Date: 2/13/2012 Scheduled Time: 800
Time Out: 900

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENT FOR NYSEG)

DRIVER: SIGNATURE: Beechek PRINT NAME: Beechek DANIEL

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12-0053****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT26275

Date: 2/15/2012 Scheduled Time: 730
Time Out: 800

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**

SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AWARDS) *As Agent For NYSEG*

DRIVER:

SIGNATURE: [Signature] PRINT NAME: Steve Brimby

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0054**

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT26275

Date: 2/15/2012 Scheduled Time: 900
Time Out: 930

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGILADES) *Agent for NYSEG*

DRIVER: SIGNATURE: [Signature] PRINT NAME: Steve Brandy

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12-0055

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC 25805

Date: 2/16/2012 Scheduled Time: 730
Time Out: 745

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENT FOR NYSEG)

DRIVER: SIGNATURE: Mark Kimbrough PRINT NAME: MARK KIMBROUGH

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12-0056

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25805

Date: 2/16/2012 Scheduled Time: 800
Time Out: 830

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (ARCADES)

DRIVER:
SIGNATURE: Mark Knausberg PRINT NAME: MARK KNAUSBERG

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG
(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12-0057

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC 25805

Date: 2/16/2012 Scheduled Time: 1800
Time Out: 1600

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (NYCADES) AGENT FOR NYSEG

DRIVER: SIGNATURE: Mark Kamburek PRINT NAME: MARK KAMBUREK

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12-0858**

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AF 26275Date: 2/17/2012

Scheduled Time:

1200

Time Out:

1230

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (AGC/DES)**DRIVER:**SIGNATURE: Steve BalnabyPRINT NAME: Steve Balnaby**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

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Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12-0059****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: 5 NY-AU-50711Date: 2/17/12

Scheduled Time:

1830

Time Out:

1300**CONSIGNEE:**

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnAGENT FOR NYSEG
PRINT NAME: E. MICHAEL FLYNN (AGADES)**DRIVER:**SIGNATURE: [Signature]PRINT NAME: KEVIN EMERICK**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0060****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AV35629Date: 2/17/2012

Scheduled Time:

1200

Time Out:

1230**CONSIGNEE:**

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (AGENT FOR NYSEG)**DRIVER:**SIGNATURE: M. K. LamburnPRINT NAME: M. K. Lamburn**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0061****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AT26275Date: 2/17/2012

Scheduled Time:

1300

Time Out:

1330**CONSIGNEE:**

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (AGENTS)**DRIVER:**SIGNATURE: [Signature]PRINT NAME: Steve Barry**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12- 6062

TRANSPORTER:

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AU 50711

Date: 2/17/12

Scheduled Time:

1346

Time Out:

1350

CONSIGNEE:

Broome County Landfill
266 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER:

SIGNATURE: E. Michael Flynn

PRINT NAME: E. MICHAEL FLYNN (AGENTS)

DRIVER:

SIGNATURE: [Signature]

PRINT NAME: KEVIN ENRICK

CONSIGNEE:

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0063****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AP 37446Date: 2/22/2012 Scheduled Time: 1300Time Out: 1330**CONSIGNEE:**

Broome County Landfill
288 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**MGP REMEDIATION WASTE SOIL**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael FlynnPRINT NAME: E. MICHAEL FLYNN (AGENTS)**DRIVER:**SIGNATURE: M. J. HamburyPRINT NAME: M. J. HAMBURY**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

REMEDIATION WASTE SOLID WASTE MANIFEST

NYSEG Manifest No. BING COURT-RW-12-0064

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY AT-26426

Date: 2/22/2012 Scheduled Time: 1400
Time Out: 1400

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

MGP REMEDIATION WASTE SOIL

Weight: Est. 35 tons

SHIPPER: SIGNATURE: EMichael Flynn PRINT NAME: EMICHAEL FLYNN (MICADES) ^{AGENT FOR NYSEG}

DRIVER: SIGNATURE: [Signature] PRINT NAME: Ed Ryan

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-12-0065

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-6625806

Date: 2/23/2012 Scheduled Time: 1200
Time Out: 1215

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: AS AGENT FOR NYSEG E. MICHAEL FLYNN (AGADES)

DRIVER: SIGNATURE: E. L. A. PRINT NAME: E. L. A.

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0066****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC-25806

Date: 2/23/2012 Scheduled Time: 1330
Time Out: 1345

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073188

MATERIAL DESCRIPTION:**CONSTRUCTION & DEMOLITION DEBRIS**Weight: Est. 35 tons**SHIPPER:**

SIGNATURE: E. Michael Flynn PRINT NAME: AS AGENT FOR NYSEG E. MICHAEL FLYNN (AGENTS)

DRIVER:

SIGNATURE: E. L. A. PRINT NAME: E. L. A.

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0067****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-AC 25806

Date: 2/23/2012 Scheduled Time: 1500
Time Out: 1530

CONSIGNEE:

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONSTRUCTION & DEMOLITION DEBRIS**Weight: Est. 35 tons**SHIPPER:**

SIGNATURE: E. Michael Flynn PRINT NAME: AS AGENT FOR NYSEG
E. MICHAEL FLYNN (AGENTS)

DRIVER:

SIGNATURE: E. A. PRINT NAME: E. A. Baker

CONSIGNEE:

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST

NYSEG Manifest No. BING COURT-RW-12-0068

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC25806

Date: 2/24/2012 Scheduled Time: 730
Time Out: 745

CONSIGNEE: Broome County Landfill
288 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:

CONSTRUCTION & DEMOLITION DEBRIS

Weight: Est. 35 tons

SHIPPER: AS AGENT FOR NYSEG
SIGNATURE: E. Michael Flynn PRINT NAME: E. MICHAEL FLYNN (AGENTS)

DRIVER:
SIGNATURE: ELA PRINT NAME: Ed B...

CONSIGNEE:
SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST**NYSEG Manifest No. BING COURT-RW-12-0069****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Fl. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC 25P06Date: 2/24/2012 Scheduled Time: 800
Time Out: 830**CONSIGNEE:**

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONSTRUCTION & DEMOLITION DEBRIS**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn PRINT NAME: AS AGENT FOR NYSEG E. MICHAEL FLYNN (AGADES)**DRIVER:**SIGNATURE: ELA PRINT NAME: Ed Barr**CONSIGNEE:**

SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0070**

TRANSPORTER: R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC 25806

Date: 2/29/2012 Scheduled Time: 1000
Time Out: 1130

CONSIGNEE: Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER: NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION: NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONSTRUCTION & DEMOLITION DEBRIS**Weight: Est. 35 tons

SHIPPER: SIGNATURE: E. Michael Flynn PRINT NAME: As Agent for NYSEG E. MICHAEL FLYNN (AGENTS)

DRIVER: SIGNATURE: E. L. A. PRINT NAME: E. L. A.

CONSIGNEE: SIGNATURE: _____ PRINT NAME: _____

NYSEG

(NEW YORK STATE ELECTRIC & GAS CORPORATION)
Licensing & Environmental Operations
James A. Carrigg Center 18 Link Drive
P.O. Box 5224, Binghamton, NY, 13902

CONSTRUCTION & DEMOLITION DEBRIS MANIFEST**NYSEG Manifest No. BING COURT-RW-12- 0071****TRANSPORTER:**

R. Galusha Transport, LLC.
1380 Towpath Lane
Ft. Edward, NY 12828
NYSDEC Permit No. 5A-735

Truck Number: NY-BC 25806Date: 2/24/2012

Scheduled Time:

1100

Time Out:

1130**CONSIGNEE:**

Broome County Landfill
286 Knapp Road
Binghamton, New York 13905

SHIPPER:

NYSEG (New York State Electric & Gas Corp.)
James A. Carrigg Center, 18 Link Drive
P.O. Box 5224
Binghamton, NY 13902

SITE LOCATION:

NYSEG Court Street
Former Manufactured Gas Plant Site
293 Court Street
Binghamton, New York 13903

EPA ID No. NY0000073189

MATERIAL DESCRIPTION:**CONSTRUCTION & DEMOLITION DEBRIS**Weight: Est. 35 tons**SHIPPER:**SIGNATURE: E. Michael Flynn

PRINT NAME:

As Agent for NYSEG
E. MICHAEL FLYNN (AGENTS)

DRIVER:SIGNATURE: E. A.

PRINT NAME:

E. A. B...**CONSIGNEE:**

SIGNATURE: _____

PRINT NAME: _____

From Customer: 0048

To: 0048

Date Run: 4/2/2012

Time Run: 12:02:38PM

From Order:

To: zzzzzzzz

From Material:

To: zzzzzzzz

From Date: 9/1/2011

To Date: 4/2/2012

---Ticket---		Truck/Trlr	Mat'l	-----Material-----		-----Revenue-----			
Date	Number	ID	ID	Unit	Net	Mat'l	Delivery	Tax/Misc.	Total
Customer: 0048									
11/17/11	1199405	GALUSHA	CD		23.590 tn	\$943.60			\$943.60
11/17/11	1199485	GALUSHA	CD		24.310 tn	\$972.40			\$972.40
11/17/11	1199535	GALUSHA	CD		26.220 tn	\$1,048.80			\$1,048.80
11/29/11	1201871	GALUSHA	CD		24.300 tn	\$972.00			\$972.00
11/29/11	1201940	GALUSHA	CD		25.210 tn	\$1,008.40			\$1,008.40
11/29/11	1202002	GALUSHA	CD		22.470 tn	\$898.80			\$898.80
11/29/11	1202048	GALUSHA	CD		14.820 tn	\$592.80			\$592.80
12/21/11	1206762	GALUSHA	CD		25.060 tn	\$1,002.40			\$1,002.40
12/21/11	1206830	GALUSHA	CD		24.070 tn	\$962.80			\$962.80
1/26/12	1213109	GALUSHA 17	CD		26.060 tn	\$1,042.40			\$1,042.40
1/26/12	1213149	GALUSHA 17	CD		26.200 tn	\$1,048.00			\$1,048.00
1/26/12	1213201	GALUSHA 17	CD		27.280 tn	\$1,091.20			\$1,091.20
2/8/12	1215624	GALUSHA 17	CD		26.140 tn	\$1,045.60			\$1,045.60
2/8/12	1215658	GALUSHA 17	CD		26.410 tn	\$1,056.40			\$1,056.40
2/23/12	1218372	GALUSHA 17	CD		15.390 tn	\$615.60			\$615.60
2/23/12	1218400	GALUSHA 17	CD		18.530 tn	\$741.20			\$741.20
2/24/12	1218415	GALUSHA 17	CD		20.210 tn	\$808.40			\$808.40
2/24/12	1218443	GALUSHA 17	CD		19.190 tn	\$767.60			\$767.60
2/24/12	1218493	GALUSHA 17	CD		19.290 tn	\$771.60			\$771.60
2/24/12	1218528	GALUSHA 17	CD		18.870 tn	\$754.80			\$754.80
2/24/12	1218551	17	CD		27.890 tn	\$1,115.60			\$1,115.60
CONTAMINATED DEBRIS Totals					481.510 tn	\$19,260.40			\$19,260.40
Total Tickets: 21									
11/10/11	1197923	LONGHORN	CS		37.950 tn	\$1,024.65			\$1,024.65
11/10/11	1197924	LONGHORN	CS		40.140 tn	\$1,083.78			\$1,083.78
11/10/11	1197994	LONG HORN	CS		36.930 tn	\$997.11			\$997.11
11/14/11	1198617	LONGHORN	CS		38.060 tn	\$1,027.62			\$1,027.62
11/14/11	1198653	LONGHORN	CS		39.070 tn	\$1,054.89			\$1,054.89
11/14/11	1198697	LONGHORN	CS		41.870 tn	\$1,130.49			\$1,130.49
11/14/11	1198727	LONGHORN	CS		40.230 tn	\$1,086.21			\$1,086.21
11/14/11	1198755	LONGHORN	CS		40.250 tn	\$1,086.75			\$1,086.75
11/14/11	1198782	LONGHORN	CS		40.120 tn	\$1,083.24			\$1,083.24
11/14/11	1198809	LONGHORN	CS		39.700 tn	\$1,071.90			\$1,071.90
11/15/11	1198893	LONGHORN	CS		39.420 tn	\$1,064.34			\$1,064.34
11/15/11	1198938	LONGHORN	CS		37.050 tn	\$1,000.35			\$1,000.35
11/15/11	1199007	LONGHORN	CS		41.710 tn	\$1,126.17			\$1,126.17
12/15/11	1205577	GALUSHA 17	CS		31.720 tn	\$856.44			\$856.44
12/15/11	1205578	GALUSHA 12	CS		27.750 tn	\$749.25			\$749.25
12/16/11	1205858	GALUSHA	CS		35.390 tn	\$955.53			\$955.53
12/19/11	1206320	GALUSHA	CS		30.840 tn	\$832.68			\$832.68
12/19/11	1206326	044501	CS		37.880 tn	\$1,022.76			\$1,022.76
12/19/11	1206334	GALUSHA	CS		30.710 tn	\$829.17			\$829.17
12/19/11	1206415	GALUSHA	CS		33.520 tn	\$905.04			\$905.04
12/21/11	1206871	GALUSHA	CS		26.200 tn	\$707.40			\$707.40
12/21/11	1206900	GALUSHA	CS		26.200 tn	\$707.40			\$707.40
12/22/11	1206940	GALUSHA	CS		26.050 tn	\$703.35			\$703.35

From Customer: 0048

To: 0048

Date Run: 4/2/2012

Time Run: 12:02:38PM

From Order:

To: zzzzzzzz

From Material:

To: zzzzzzzz

From Date: 9/1/2011

To Date: 4/2/2012

---Ticket---		Truck/Trlr		Mat'l	-----Material-----		-----Revenue-----			
Date	Number	ID	ID	Unit	Net	Mat'l	Delivery	Tax/Misc.	Total	
12/22/11	1206976	GALUSHA	CS		21.430 tn	\$578.61			\$578.61	
2/8/12	1215623	GALUSHA 2	CS		34.440 tn	\$929.88			\$929.88	
2/8/12	1215628	GALUSHA 15	CS		38.370 tn	\$1,035.99			\$1,035.99	
2/8/12	1215634	GALUSHA 12	CS		33.000 tn	\$891.00			\$891.00	
2/8/12	1215655	GALUSHA 15	CS		40.820 tn	\$1,102.14			\$1,102.14	
2/8/12	1215727	GALUSHA 17	CS		27.310 tn	\$737.37			\$737.37	
2/9/12	1215794	GALUSHA 15	CS		40.000 tn	\$1,080.00			\$1,080.00	
2/9/12	1215813	GALUSHA 17	CS		24.070 tn	\$649.89			\$649.89	
2/9/12	1215866	GALUSHA 15	CS		35.790 tn	\$966.33			\$966.33	
2/9/12	1215878	GALUSHA 17	CS		24.650 tn	\$665.55			\$665.55	
2/9/12	1215923	GALUSHA15	CS		40.460 tn	\$1,092.42			\$1,092.42	
2/9/12	1215924	GALUSHA11	CS		31.800 tn	\$858.60			\$858.60	
2/10/12	1216010	GALUSHA	CS		36.180 tn	\$976.86			\$976.86	
2/10/12	1216039	GALUSHA12	CS		30.920 tn	\$834.84			\$834.84	
2/13/12	1216518	GALUSHA	CS		31.780 tn	\$858.06			\$858.06	
2/15/12	1216841	GALUSHA15	CS		38.420 tn	\$1,037.34			\$1,037.34	
2/15/12	1216878	GALUSHA 15	CS		43.160 tn	\$1,165.32			\$1,165.32	
2/16/12	1217001	GALUSHA 2	CS		34.270 tn	\$925.29			\$925.29	
2/16/12	1217040	GALUSHA 2	CS		33.080 tn	\$893.16			\$893.16	
2/16/12	1217086	GALUSHA 2	CS		35.840 tn	\$967.68			\$967.68	
2/17/12	1217254	GALUSHA 15	CS		38.260 tn	\$1,033.02			\$1,033.02	
2/17/12	1217256	GALUSHA 5	CS		33.220 tn	\$896.94			\$896.94	
2/17/12	1217264	GALUSHA 3	CS		37.880 tn	\$1,022.76			\$1,022.76	
2/17/12	1217311	GALUSHA 15	CS		36.820 tn	\$994.14			\$994.14	
2/17/12	1217332	GALUSHA 5	CS		32.740 tn	\$883.98			\$883.98	
2/22/12	1218207	GALUSHA 1	CS		33.470 tn	\$903.69			\$903.69	
2/22/12	1218217	GALUSHA 17	CS		33.020 tn	\$891.54			\$891.54	
CONTAMINATED SOIL Totals					1,739.960 tn	\$46,978.92			\$46,978.92	
Total Tickets: 50										
Non-order Totals					2,221.470 tn	\$66,239.32			\$66,239.32	
Total Tickets: 71										
NYSEG Totals					2221.470 tn	\$66,239.32			\$66,239.32	
Total Tickets: 71										
Grand Totals					2221.470 tn	\$66,239.32			\$66,239.32	
Total Tickets: 71										

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1199405

Date :11/17/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA	Gross:	81620	lb	Scale 1	In	9:40 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34440	lb	Scale 2	Out	9:58 am
		Net:	47180	lb			
			23.590	tn			

\$40.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	943.60
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	943.60

Broome County Landfill

286 Knapp Rd

Binghamton, NY 13905

Ticket No :1199485

Date :11/17/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048

NYSEG

C/O DEBORAH S DUNLAP

P O BOX 5224

BINGHAMTON, NY 13902-5224

Truck : GALUSHA

Material: CD CONTAMINATED DEBRIS

Gross: 82880 lb Scale 1 In 11:58 am

Tare: 34260 lb Scale 2 Out 12:10 pm

\$40.00/tn

Net: 48620 lb

24.310 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 972.40

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 972.40

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1199535
Date :11/17/11
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA	Gross:	86680	lb	Scale 1	In	1:36 pm
Material:	CD CONTAMINATED DEBRIS	Tare:	34240	lb	Scale 2	Out	1:51 pm
		Net:	52440	lb			
			26.220	tn			

Weigh Master:	CIS	CIS	Material \$	1048.80
Driver:			Delivery \$	0.00
			Misc \$	0.00
			Tax \$	0.00
Remarks: Thank You !!			Total \$	1048.80

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1201871

Date :11/29/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA	Gross:	83000	lb	Scale 1	In	8:26 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34400	lb	Scale 2	Out	8:40 am
		Net:	48600	lb			
			24.300	tn			

\$40.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 972.00

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 972.00

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1201940

Date :11/29/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA	Gross:	84760	lb	Scale 1	In	10:13 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34340	lb	Scale 2	Out	10:27 am
		Net:	50420	lb			
			25.210	tn			

\$40.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1008.40
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1008.40

Broome County Landfill
286 Knapp Rd

Binghamton,NY 13905

Ticket No :1202002
Date :11/29/11
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON,NY 13902-5224

Truck :	GALUSHA	Gross:	79220	lb	Scale 1	In	11:47 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34280	lb	Scale 2	Out	12:00 pm
		Net:	44940	lb			
			22.470	tn			

Weigh Master:	CIS	CIS	Material \$	898.80
Driver:			Delivery \$	0.00
			Misc \$	0.00
			Tax \$	0.00
Remarks: Thank You !!			Total \$	898.80

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1202048

Date :11/29/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048

NYSEG

C/O DEBORAH S DUNLAP

P O BOX 5224

BINGHAMTON, NY 13902-5224

Truck : GALUSHA

Material: CD CONTAMINATED DEBRIS

Gross: 63880 lb Scale 1 In 1:30 pm

Tare: 34240 lb Scale 2 Out 1:43 pm

\$40.00/tn

Net: 29640 lb

14.820 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 592.80

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 592.80

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1206762
Date :12/21/11
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA	Gross:	84640	lb	Scale 1	In	8:52 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34520	lb	Scale 2	Out	9:16 am
		Net:	50120	lb			
			25.060	tn			

Weigh Master:	CIS	CIS	Material \$	1002.40
Driver:			Delivery \$	0.00
			Misc \$	0.00
			Tax \$	0.00
Remarks: Thank You !!			Total \$	1002.40

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1206830
Date :12/21/11
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA	Gross:	82560	lb	Scale 1	In	10:41 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34420	lb	Scale 2	Out	10:53 am
		Net:	48140	lb			
			24.070	tn			

Weigh Master:	CIS	CIS	Material \$	962.80
Driver:			Delivery \$	0.00
			Misc \$	0.00
			Tax \$	0.00
Remarks: Thank You !!			Total \$	962.80

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1213109

Date :1/26/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048

NYSEG

C/O DEBORAH S DUNLAP

P O BOX 5224

BINGHAMTON, NY 13902-5224

Truck : GALUSHA 17

Material: CD CONTAMINATED DEBRIS

Gross: 86700 lb Scale 1 In 8:46 am

Tare: 34580 lb Scale 2 Out 8:59 am

\$40.00/tn

Net: 52120 lb
26.060 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1042.40

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 1042.40

Broome County Landfill
286 Knapp Rd

Binghamton,NY 13905

Ticket No :1213149
Date :1/26/12
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON,NY 13902-5224

Truck :	GALUSHA 17	Gross:	86940	lb	Scale 1	In	10:22 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34540	lb	Scale 2	Out	10:33 am
		Net:	52400	lb			
			26.200	tn			

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1048.00
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1048.00

Broome County Landfill
286 Knapp Rd

Binghamton,NY 13905

Ticket No :1213201
Date :1/26/12
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON,NY 13902-5224

Truck :	GALUSHA 17	Gross:	89100	lb	Scale 1	In	12:01 pm
Material:	CD CONTAMINATED DEBRIS	Tare:	34540	lb	MAN WT	Out	12:13 pm
		Net:	54560	lb			
			27.280	tn			

Weigh Master:	CIS	CIS	Material \$	1091.20
Driver:			Delivery \$	0.00
			Misc \$	0.00
			Tax \$	0.00
Remarks: Thank You !!			Total \$	1091.20

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215624
Date :2/8/12
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 17	Gross:	86860	lb	Scale 1	In	8:43 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34580	lb	MAN WT	Out	8:59 am
		Net:	52280	lb			
			26.140	tn			

Weigh Master:	CIS	CIS	Material \$	1045.60
Driver:			Delivery \$	0.00
			Misc \$	0.00
			Tax \$	0.00
Remarks:	Thank You !!		Total \$	1045.60

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215658

Date :2/8/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 17	Gross:	87380	lb	Scale 1	In	10:29 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34560	lb	MAN WT	Out	10:43 am
		Net:	52820	lb			
			26.410	tn			

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1056.40
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1056.40

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1218372
Date :2/23/12
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 17	Gross:	65120	lb	Scale 1	In	12:41 pm
Material:	CD CONTAMINATED DEBRIS	Tare:	34340	lb	Scale 2	Out	12:55 pm
		Net:	30780	lb			
			15.390	tn			

Weigh Master:	CIS	CIS	Material \$	615.60
			Delivery \$	0.00
			Misc \$	0.00
			Tax \$	0.00
			Total \$	615.60

Remarks: Thank You !!

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No : 1218400

Date : 2/23/12

Phone : (607) 763-4434

Fax : (607) 763-4280

Customer: 0048

NYSEG

C/O DEBORAH S DUNLAP

P O BOX 5224

BINGHAMTON, NY 13902-5224

Truck : GALUSHA 17

Material: CD CONTAMINATED DEBRIS

Gross: 71640 lb Scale 1 In 2:01 pm

Tare: 34580 lb Scale 2 Out 2:21 pm

\$40.00/tn

Net: 37060 lb

18.530 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 741.20

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 741.20

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1218415
Date :2/24/12
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 17	Gross:	74900	lb	Scale 1	In	6:57 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34480	lb	Scale 2	Out	7:11 am
		Net:	40420	lb			
			20.210	tn			

Weigh Master:	CIS	CIS	Material \$	808.40
			Delivery \$	0.00
			Misc \$	0.00
			Tax \$	0.00
			Total \$	808.40

Remarks: Thank You !!

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1218443

Date :2/24/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 17
Material: CD CONTAMINATED DEBRIS

Gross:	72900	lb	Scale 1	In	8:48 am
Tare:	34520	lb	Scale 2	Out	9:08 am

\$40.00/tn

Net:	38380	lb
	19.190	tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	767.60
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	767.60

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1218493

Date :2/24/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 17	Gross:	73120	lb	Scale 1	In	10:25 am
Material:	CD CONTAMINATED DEBRIS	Tare:	34540	lb	Scale 2	Out	10:35 am
		Net:	38580	lb			
			19.290	tn			

\$40.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 771.60

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 771.60

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1218528

Date :2/24/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048

NYSEG

C/O DEBORAH S DUNLAP

P O BOX 5224

BINGHAMTON, NY 13902-5224

Truck : GALUSHA 17

Material: CD CONTAMINATED DEBRIS

Gross: 72340 lb Scale 1 In 11:49 am

Tare: 34600 lb Scale 2 Out 12:04 pm

\$40.00/tn

Net: 37740 lb

18.870 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 754.80

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 754.80

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1218551

Date :2/24/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	17	Gross:	90220	lb	Scale 1	In	1:18 pm
Material:	CD					Out	1:31 pm
	CONTAMINATED DEBRIS	Tare:	34440	lb	MAN WT		
		Net:	55780	lb			
			27.890	tn			

\$40.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1115.60

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 1115.60

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1197923

Date :11/10/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : LONGHORN
Material: CS CONTAMINATED SOIL

Gross:	116600	lb	Scale 1	In	10:59 am
Tare:	40700	lb	Scale 2	Out	11:21 am

\$27.00/tn

Net:	75900	lb
	37.950	tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1024.65
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1024.65

Broome County Landfill
286 Knapp Rd

Binghamton,NY 13905

Ticket No :1197924
Date :11/10/11
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON,NY 13902-5224

Truck :	LONGHORN	Gross:	121000	lb	MAN WT	In	11:01 am
Material:	CS CONTAMINATED SOIL	Tare:	40720	lb	MAN WT	Out	11:01 am
		Net:	80280	lb			
			40.140	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1083.78
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1083.78

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1197994

Date :11/10/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	LONG HORN	Gross:	114500	lb	Scale 1	In	1:05 pm
Material:	CS CONTAMINATED SOIL	Tare:	40640	lb	Scale 2	Out	1:59 pm
		Net:	73860	lb			
			36.930	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	997.11
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	997.11

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1198617

Date :11/14/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : LONGHORN
Material: CS CONTAMINATED SOIL

Gross:	116460	lb	Scale 1	In	8:25 am
Tare:	40340	lb	Scale 2	Out	8:51 am

\$27.00/tn

Net:	76120	lb
	38.060	tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1027.62
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1027.62

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1198653

Date :11/14/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048

NYSEG

C/O DEBORAH S DUNLAP

P O BOX 5224

BINGHAMTON, NY 13902-5224

Truck : LONGHORN

Material: CS CONTAMINATED SOIL

Gross: 119180 lb Scale 1 In 9:30 am

Tare: 41040 lb Scale 2 Out 9:54 am

\$27.00/tn

Net: 78140 lb
39.070 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1054.89

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 1054.89

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1198697

Date :11/14/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : LONGHORN
Material: CS CONTAMINATED SOIL

Gross: 123980 lb Scale 1 In 10:28 am
Tare: 40240 lb Scale 2 Out 10:52 am

\$27.00/tn

Net: 83740 lb
41.870 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1130.49
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 1130.49

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1198727

Date :11/14/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	LONGHORN	Gross:	121500	lb	Scale 1	In	11:10 am
Material:	CS CONTAMINATED SOIL	Tare:	41040	lb	Scale 2	Out	11:27 am
		Net:	80460	lb			
			40.230	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1086.21
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00

Total \$	1086.21

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1198755

Date :11/14/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	LONGHORN	Gross:	120820	lb	Scale 1	In	12:11 pm
Material:	CS CONTAMINATED SOIL	Tare:	40320	lb	Scale 2	Out	12:33 pm
		Net:	80500	lb			
			40.250	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1086.75
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1086.75

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1198782

Date :11/14/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	LONGHORN	Gross:	121280	lb	Scale 1	In	12:45 pm
Material:	CS CONTAMINATED SOIL	Tare:	41040	lb	Scale 2	Out	1:09 pm
		Net:	80240	lb			
			40.120	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1083.24
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1083.24

Broome County Landfill
286 Knapp Rd

Binghamton,NY 13905

Ticket No :1198809
Date :11/14/11
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON,NY 13902-5224

Truck :	LONGHORN	Gross:	119600	lb	Scale 1	In	1:48 pm
Material:	CS CONTAMINATED SOIL	Tare:	40200	lb	Scale 2	Out	2:11 pm
		Net:	79400	lb			
			39.700	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1071.90
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1071.90

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1198893

Date :11/15/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : LONGHORN
Material: CS CONTAMINATED SOIL

Gross: 119660 lb Scale 1 In 8:27 am
Tare: 40820 lb Scale 2 Out 8:54 am

\$27.00/tn

Net: 78840 lb
39.420 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1064.34
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 1064.34

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1198938

Date :11/15/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : LONGHORN
Material: CS CONTAMINATED SOIL

Gross: 114820 lb Scale 1 In 10:16 am
Tare: 40720 lb Scale 2 Out 10:47 am

\$27.00/tn

Net: 74100 lb
37.050 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1000.35
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1000.35

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1199007

Date :11/15/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : LONGHORN
Material: CS CONTAMINATED SOIL

Gross: 124000 lb Scale 1 In 12:18 pm
Tare: 40580 lb Scale 2 Out 12:41 pm

\$27.00/tn

Net: 83420 lb
41.710 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1126.17
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 1126.17

Broome County Landfill
286 Knapp Rd

Binghamton,NY 13905

Ticket No :1205577
Date :12/15/11
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON,NY 13902-5224

Truck :	GALUSHA 17	Gross:	98040	lb	Scale 1	In	10:07 am
Material:	CS CONTAMINATED SOIL	Tare:	34600	lb	Scale 2	Out	10:24 am
		Net:	63440	lb			
			31.720	tn			

Weigh Master:	CIS	CIS	Material \$	856.44
Driver:			Delivery \$	0.00
			Misc \$	0.00
			Tax \$	0.00
Remarks: Thank You !!			Total \$	856.44

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1205578

Date :12/15/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 12
Material: CS CONTAMINATED SOIL

Gross: 92100 lb Scale 1 In 10:08 am
Tare: 36600 lb Scale 2 Out 10:31 am

\$27.00/tn

Net: 55500 lb
27.750 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 749.25

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 749.25

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1205858
Date :12/16/11
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA	Gross:	108860	lb	MAN WT	In	10:17 am
Material:	CS CONTAMINATED SOIL	Tare:	38080	lb	MAN WT	Out	10:35 am
		Net:	70780	lb			
			35.390	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	955.53
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	955.53

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1206320

Date :12/19/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA
Material: CS CONTAMINATED SOIL

Gross: 95880 lb Scale 1 In 9:37 am
Tare: 34200 lb Scale 2 Out 9:52 am

\$27.00/tn

Net: 61680 lb
30.840 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 832.68
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 832.68

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1206326

Date :12/19/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048

NYSEG

C/O DEBORAH S DUNLAP

P O BOX 5224

BINGHAMTON, NY 13902-5224

Truck : 044501 19273PB TRAC #2A
Material: CS CONTAMINATED SOIL

Gross: 111000 lb MAN WT In 9:48 am
Tare: 35240 lb MAN WT Out 9:48 am

\$27.00/tn

Net: 75760 lb
37.880 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1022.76
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 1022.76

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1206334

Date :12/19/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA
Material: CS CONTAMINATED SOIL

Gross: 97800 lb Scale 1 In 10:01 am
Tare: 36380 lb Scale 2 Out 10:21 am

\$27.00/tn

Net: 61420 lb
30.710 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 829.17
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00
Total \$ 829.17

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1206415

Date :12/19/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA
Material: CS CONTAMINATED SOIL

Gross: 101280 lb Scale 1 In 11:50 am
Tare: 34240 lb MAN WT Out 12:03 pm

\$27.00/tn

Net: 67040 lb
33.520 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 905.04
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 905.04

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1206871

Date :12/21/11

Phone : (607) 763-4434

Fax : (607) 763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA
Material: CS CONTAMINATED SOIL

Gross: 86800 lb Scale 1 In 12:22 pm
Tare: 34400 lb Scale 2 Out 12:34 pm

\$27.00/tn

Net: 52400 lb
26.200 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 707.40
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 707.40

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No : 1206900

Date : 12/21/11

Phone : (607) 763-4434

Fax : (607) 763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA	Gross:	86720	lb	Scale 1	In	1:50 pm
Material:	CS CONTAMINATED SOIL	Tare:	34320	lb	Scale 2	Out	2:01 pm
		Net:	52400	lb			
			26.200	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 707.40

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 707.40

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1206940

Date :12/22/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA	Gross:	86300	lb	Scale 1	In	7:34 am
Material:	CS CONTAMINATED SOIL	Tare:	34200	lb	Scale 2	Out	7:46 am
		Net:	52100	lb			
			26.050	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	703.35
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	703.35

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1206976

Date :12/22/11

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA	Gross:	76920	lb	Scale 1	In	9:14 am
Material:	CS CONTAMINATED SOIL	Tare:	34060	lb	Scale 2	Out	9:25 am
		Net:	42860	lb			
			21.430	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	578.61
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	578.61

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215623

Date :2/8/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 2
Material: CS CONTAMINATED SOIL

Gross: 105460 lb Scale 1 In 8:41 am
Tare: 36580 lb MAN WT Out 8:55 am

\$27.00/tn

Net: 68880 lb
34.440 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 929.88

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 929.88

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215628

Date :2/8/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 15
Material: CS CONTAMINATED SOIL

Gross: 115360 lb Scale 1 In 8:47 am
Tare: 38620 lb MAN WT Out 9:01 am

\$27.00/tn

Net: 76740 lb
38.370 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1035.99
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 1035.99

Broome County Landfill

286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215634

Date :2/8/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048

NYSEG

C/O DEBORAH S DUNLAP

P O BOX 5224

BINGHAMTON, NY 13902-5224

Truck : GALUSHA 12

Material: CS CONTAMINATED SOIL

Gross: 102620

lb

Scale 1

In 9:11 am

Tare: 36620

lb

MAN WT

Out 9:27 am

\$27.00/tn

Net: 66000

lb

33.000

tn

Weigh Master: CIS

CIS

Driver:

Remarks: Thank You !!

Material \$ 891.00

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 891.00

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215655

Date :2/8/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 15
Material: CS CONTAMINATED SOIL

Gross: 120180 lb Scale 1 In 10:24 am
Tare: 38540 lb MAN WT Out 10:35 am

\$27.00/tn

Net: 81640 lb
40.820 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1102.14
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 1102.14

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215727
Date :2/8/12
Phone :(607)763-4434
Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 17	Gross:	89120	lb	Scale 1	In	1:06 pm
Material:	CS CONTAMINATED SOIL	Tare:	34500	lb	Scale 2	Out	1:16 pm
		Net:	54620	lb			
			27.310	tn			

Weigh Master:	CIS	CIS	Material \$	737.37
Driver:			Delivery \$	0.00
			Misc \$	0.00
			Tax \$	0.00
Remarks: Thank You !!			Total \$	737.37

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215794

Date :2/9/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048

NYSEG

C/O DEBORAH S DUNLAP

P O BOX 5224

BINGHAMTON, NY 13902-5224

Truck : GALUSHA 15

Material: CS CONTAMINATED SOIL

Gross: 118640 lb Scale 1 In 8:23 am

Tare: 38640 lb Scale 2 Out 8:34 am

\$27.00/tn

Net: 80000 lb

40.000 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1080.00

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 1080.00

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215813

Date :2/9/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 17
Material: CS CONTAMINATED SOIL

Gross:	82500	lb	Scale 1	In	8:58 am
Tare:	34360	lb	Scale 2	Out	9:13 am

\$27.00/tn

Net:	48140	lb
	24.070	tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	649.89
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	649.89

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215866

Date :2/9/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 15	Gross:	110100	lb	MAN WT	In	10:16 am
Material:	CS CONTAMINATED SOIL	Tare:	38520	lb	Scale 2	Out	10:26 am
		Net:	71580	lb			
			35.790	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 966.33

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 966.33

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215878

Date :2/9/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 17	Gross:	83560	lb	MAN WT	In	10:39 am
Material:	CS CONTAMINATED SOIL	Tare:	34260	lb	Scale 2	Out	10:52 am
		Net:	49300	lb			
			24.650	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	665.55
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	665.55

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215923

Date :2/9/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA15
Material: CS CONTAMINATED SOIL

Gross:	119360	lb	Scale 1	In	12:17 pm
Tare:	38440	lb	Scale 2	Out	12:34 pm

\$27.00/tn

Net:	80920	lb
	40.460	tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1092.42
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00

Total \$	1092.42

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1215924

Date :2/9/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA11
Material: CS CONTAMINATED SOIL

Gross:	102300	lb	Scale 1	In	12:18 pm
Tare:	38700	lb	Scale 2	Out	12:35 pm

\$27.00/tn

Net:	63600	lb
	31.800	tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	858.60
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00

Total \$	858.60

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1216010

Date :2/10/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA
Material: CS CONTAMINATED SOIL

Gross: 110700 lb Scale 1 In 8:19 am
Tare: 38340 lb Scale 2 Out 8:30 am

\$27.00/tn

Net: 72360 lb
36.180 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 976.86
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 976.86

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1216039

Date :2/10/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA12	Gross:	98260	lb	Scale 1	In	8:58 am
Material:	CS CONTAMINATED SOIL	Tare:	36420	lb	Scale 2	Out	9:14 am
		Net:	61840	lb			
			30.920	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 834.84

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 834.84

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1216518

Date :2/13/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA
Material: CS CONTAMINATED SOIL

Gross: 100020 lb Scale 1 In 11:14 am
Tare: 36460 lb MAN WT Out 11:33 am

\$27.00/tn

Net: 63560 lb
31.780 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 858.06
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 858.06

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1216841

Date :2/15/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA15
Material: CS CONTAMINATED SOIL

Gross: 115500 lb Scale 1 In 8:20 am
Tare: 38660 lb Scale 2 Out 8:30 am

\$27.00/tn

Net: 76840 lb
38.420 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1037.34
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 1037.34

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1216878

Date :2/15/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 15
Material: CS CONTAMINATED SOIL

Gross: 124960 lb Scale 1 In 10:07 am
Tare: 38640 lb Scale 2 Out 10:16 am

\$27.00/tn

Net: 86320 lb
43.160 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 1165.32
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 1165.32

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1217001

Date :2/16/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 2	Gross:	104900	lb	Scale 1	In	8:40 am
Material:	CS CONTAMINATED SOIL	Tare:	36360	lb	Scale 2	Out	8:56 am
		Net:	68540	lb			
			34.270	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	925.29
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	925.29

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1217040

Date :2/16/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 2	Gross:	102540	lb	Scale 1	In	10:14 am
Material:	CS CONTAMINATED SOIL	Tare:	36380	lb	Scale 2	Out	10:28 am
		Net:	66160	lb			
			33.080	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	893.16
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	893.16

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1217086

Date :2/16/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 2
Material: CS CONTAMINATED SOIL

Gross: 108020 lb Scale 1 In 12:01 pm
Tare: 36340 lb Scale 2 Out 12:18 pm

\$27.00/tn

Net: 71680 lb
35.840 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 967.68
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 967.68

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1217254

Date :2/17/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck :	GALUSHA 15	Gross:	115240	lb	Scale 1	In	11:34 am
Material:	CS CONTAMINATED SOIL	Tare:	38720	lb	Scale 2	Out	11:53 am
		Net:	76520	lb			
			38.260	tn			

\$27.00/tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1033.02
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1033.02

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1217256

Date :2/17/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 5
Material: CS CONTAMINATED SOIL

Gross: 102920 lb MAN WT In 11:39 am
Tare: 36480 lb Scale 2 Out 11:55 am

\$27.00/tn

Net: 66440 lb
33.220 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 896.94
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 896.94

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1217264

Date :2/17/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 3
Material: CS CONTAMINATED SOIL

Gross:	113660	lb	Scale 1	In	11:47 am
Tare:	37900	lb	Scale 2	Out	12:12 pm

\$27.00/tn

Net:	75760	lb
	37.880	tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$	1022.76
Delivery \$	0.00
Misc \$	0.00
Tax \$	0.00
Total \$	1022.76

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1217311

Date :2/17/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 15
Material: CS CONTAMINATED SOIL

Gross: 112420 lb Scale 1 In 1:07 pm
Tare: 38780 lb Scale 2 Out 1:17 pm

\$27.00/tn

Net: 73640 lb
36.820 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 994.14
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 994.14

Broome County Landfill
286 Knapp Rd

Binghamton, NY 13905

Ticket No :1217332

Date :2/17/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048
NYSEG
C/O DEBORAH S DUNLAP
P O BOX 5224
BINGHAMTON, NY 13902-5224

Truck : GALUSHA 5
Material: CS CONTAMINATED SOIL

Gross: 101940 lb Scale 1 In 1:44 pm
Tare: 36460 lb Scale 2 Out 2:08 pm

\$27.00/tn

Net: 65480 lb
32.740 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 883.98
Delivery \$ 0.00
Misc \$ 0.00
Tax \$ 0.00

Total \$ 883.98

Broome County Landfill

286 Knapp Rd

Binghamton, NY 13905

Ticket No :1218207

Date :2/22/12

Phone :(607)763-4434

Fax :(607)763-4280

Customer: 0048

NYSEG

C/O DEBORAH S DUNLAP

P O BOX 5224

BINGHAMTON, NY 13902-5224

Truck : GALUSHA 1

Material: CS CONTAMINATED SOIL

Gross: 101680 lb Scale 1 In 1:31 pm

Tare: 34740 lb Scale 2 Out 1:45 pm

\$27.00/tn

Net: 66940 lb

33.470 tn

Weigh Master: CIS CIS

Driver:

Remarks: Thank You !!

Material \$ 903.69

Delivery \$ 0.00

Misc \$ 0.00

Tax \$ 0.00

Total \$ 903.69

Attachment 1

Final Remedial Investigation
Report

REPORT

Final Remedial Investigation Report

***Court Street Site
Binghamton, New York***

**New York State Electric & Gas Corporation
Binghamton, New York**

December 2002

Errata

Following publication of this Final Remedial Investigation Report the following error was identified: the elevation of the till surface reported for well TW97-1D on Figure 9 was incorrectly reported as 776.36 feet above Mean Sea Level whereas the correct value is 796.36 feet above Mean Sea Level.

The following corrections have been made to this report to address this error:

1. Figure 9 (Till Surface Elevation Contour Map) was revised using the correct till surface elevation at well TW97-1D.
2. The till surface shown on Figure 7 (Geologic Cross Section B-B') was revised to reflect the correction made to Figure 9 (described above).
3. The text describing the till surface on page 7-5 was revised to reflect the correction made to Figure 9.

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Executive Summary

This Remedial Investigation (RI) Report presents the findings of environmental investigations conducted at NYSEG's (New York State Electric and Gas Corporation's) Court Street Manufactured Gas Plant (MGP) site (the "site") located in Binghamton, New York (Figure 1). NYSEG became owner of a portion of the MGP in 1991, upon purchasing Columbia Gas of New York.

Blasland, Bouck, and Lee, Inc. (BBL) and others conducted the investigations on NYSEG's behalf to characterize environmental conditions at the site in compliance with an Order on Consent between the New York State Department of Environmental Conservation (NYSDEC) and NYSEG dated November 8, 1996. In May 1998, NYSEG voluntarily undertook a subsurface investigation of two adjacent properties located at 293 and 295 Court Street. Based on the findings of that investigation, the NYSDEC requested that the definition of the Court Street Site contained in the Order on Consent be amended to include the 293 Court Street parcel. This amendment to the Order on Consent was made on January 21, 1999. NYSEG has since purchased the 293 Court Street parcel, which was part of the original MGP property.

The MGP operated for approximately 50 years (ca. 1888 to 1939), using coal and oil to produce gas. No information exists regarding how byproducts generated at the plant were handled and disposed. Byproducts from the MGP process, principally coal tar, are present in soils and groundwater beneath the site and in isolated, shoreline reaches of the Susquehanna River's bed.

The site has been the subject of five major investigations, starting in 1991 and culminating with this report. These investigations involved drilling approximately 40 soil borings, installing approximately 40 monitoring wells and piezometers, and analyzing several hundred samples of environmental media. The primary objectives of this work were to adequately characterize the nature and extent of site-related impacts to the environment and to evaluate the risk posed to human health and the environment by those impacts, to enable conduct of a Feasibility Study, which will evaluate remedial alternatives. The Order on Consent also contains several related, specific objectives which are discussed in Section 3 of this report. All of these objectives have been satisfied by the work performed during these five investigations.

The byproduct responsible for most of the impacts is primarily coal-tar, which is a dense non-aqueous phase liquid (DNAPL). Coal tar contains many organic compounds, a number of which have toxic properties and are regulated by the NYSDEC. Chief among these are benzene, toluene, ethylbenzene, and xylenes (or "BTEX") and a more-general class of organic compounds called polycyclic aromatic hydrocarbons (PAHs). These two groups of compounds, along with NAPLs themselves, proved most-useful in characterizing the nature and extent of site-related impacts.

To clearly summarize the results of this RI, we have divided the work into three categories:

- ***Subsurface Investigation.*** This investigation characterized the hydrogeology of the site, and the nature and extent of site-related impacts.
- ***Susquehanna River Evaluation.*** This evaluation assessed the extent of site-related impacts to the river.
- ***Risk Evaluation.*** This evaluation assessed the potential risks posed to human health and the environment by site-related constituents.

Subsurface Investigation

The following present the salient findings of the subsurface investigation:

- Five geologic units beneath the site were investigated. These are (in descending order): fill, silt, sand and gravel, till, and bedrock. The thicknesses of the fill, silt, and sand and gravel units are approximately 10 feet, 10 feet, 30 feet, and 45 feet, respectively.
- NAPLs are present in the fill, silt, and sand and gravel beneath most of the site, predominantly below the water table. Soils that contain NAPLs will likely exceed NYSDEC guidance values for establishing cleanup goals. NAPLs below the water table will slowly dissolve and thereby adversely affect the quality of groundwater. The time required for the NAPL to dissolve could be on the order of decades or centuries.
- The till and bedrock units appear unaffected by the site. The till appears to be an effective barrier to NAPL, and groundwater moves upward from the till and bedrock to the sand and gravel. For these reasons, it is unlikely that either the till or bedrock will become impacted in the future.
- Due to the physical properties of the NAPLs, and the complex nature of the fill, silt, and sand and gravel units beneath the site, the distribution of the NAPLs in these units is highly irregular and difficult to predict.
- Above the water table, the regions of soils that exceed NYSDEC guidance values are relatively small and reasonably well defined. The depth to the water table across most of the site averages less than 10 feet.
- NAPL has migrated off the site, principally at the top of the sand and gravel, in two areas: near the southwest and southeast corners of the site. At the extreme southwest corner, the NAPL has migrated southward predominantly beneath a 66-inch storm sewer that passes through the site and discharges to the Susquehanna River. While the NAPL appears to have exploited a preferential migration pathway, it does not appear that the pathway is related to the materials surrounding the sewer itself. This is because several features have existed in this area, including a canal and a creek, which could also be wholly or partly

responsible for influencing the direction of NAPL movement. Furthermore, the materials surrounding the sewer pipe are predominantly fine-grained and show no evidence of comprising a preferential pathway for fluid flow.

At the southeast corner of the site, two factors appear responsible for the NAPL: historical pumping at the Ranney well, and a gap in the Court Street flood wall. The Ranney well, a former water-supply well for the City of Binghamton, was located east of the site. While operating, it appears to have drawn NAPL eastward from the site, toward, but not all the way to the well. When pumping was discontinued at the well, groundwater and NAPL moved southward, apparently reaching the riverbed through an opening in the steel sheeting of the flood wall. The opening allows a former water intake for the MGP (identified as the “BB pipe”) to pass through the wall. Two other pipes, which appear to be unused, also pass through the flood wall in this area, but are less likely to be sources of the impacted riverbed materials.

Susquehanna River Evaluation

The Susquehanna River evaluation entailed characterizing the quality of the river water, the nature of the riverbed, the extent of site-related impacts to the riverbed, and the potential for site-related constituents to be transported across the river to the intake of the City’s water filtration plant.

Three areas of the riverbed have been affected by site-derived NAPL or components of the NAPL, particularly BTEX and PAHs. The areas where the riverbed, which is composed chiefly of sand, gravel, and cobbles, has been impacted are well constrained and relatively limited in extent. Two of the three areas are associated with the areas where NAPL has migrated off site; one is located near where the BB pipe (and other pipes) passes through the flood wall, the other where the 66-inch storm sewer discharges to the river. The third area is an isolated deposit of sediment located a few hundred feet downstream of, and probably derived from, the area around the 66-inch storm sewer. In these areas, impacted riverbed materials will often generate sheens when disturbed. The RI has shown that, except for these momentary sheens, the site does not adversely affect the quality of river water.

The causes of the affected sediments near the BB pipe and the 66-inch storm sewer are likely a combination of discharge of NAPL through the subsurface and discharge of site-related and/or non-site-related PAHs from the pipes that empty (or emptied) to these areas of the river. There is evidence that a portion of the PAHs detected in riverbed materials in all three affected areas are not site related. At all three areas of affected sediments, the areas where oil sheens were detected during probing and sampling correlated well with elevated PAHs; therefore, sheens may be a useful, easy means of identifying the limits of affected sediment.

Given the physical properties of the NAPL and the complex subsurface geology, it is not practicable to determine with certainty whether NAPL is continuing to migrate and discharge to the riverbed near the BB pipe and 66-inch storm sewer.

Transport modeling performed to evaluate the potential for site-related constituents to be transported across the river to the City's water filtration plant intake showed that such transport is not plausible under any current or foreseeable future scenarios.

Risk Evaluation

The human health evaluation found that: (1) the site does not pose a significant threat to human health because, based on an evaluation of the current and foreseeable use of the site and the nature and location of chemicals of potential interest (COPI) in environmental media associated with the site, human exposure to COPI is unlikely to occur; and (2) exposure to sediments and Susquehanna-River water near the site is possible, though seasonal in nature.

The ecological assessment found that, for localized areas of sediments near the discharge point for the 66-inch-diameter storm sewer, and to a lesser extent the area around the BB pipe, the potential exists for localized adverse impacts to benthic-invertebrate species living in the river.

Conclusion

With the findings presented in this report, NYSEG has characterized the nature and extent of the former MGP's impacts on the environment and fulfilled the requirements of the Order on Consent. Following approval of this report by the NYSDEC, NYSEG will prepare a Feasibility Study to identify Remedial Action Objectives and select appropriate remedial measures for the site.

1. Introduction

1.1 Overview

This document reports the work and findings of a series of environmental investigations conducted between 1997 and 2002 that form the Remedial Investigation (RI), for the Court Street Former Manufactured Gas Plant (MGP) in Binghamton, New York. The RI consisted of three episodes of investigation, listed below, completed by the New York State Electric & Gas Corporation (NYSEG) with technical consulting services provided by Blasland, Bouck & Lee, Inc. (BBL).

- The Phase I Supplemental Remedial Investigation (SRI), conducted in 1997;
- Offsite Properties Investigations, conducted in 1998; and
- The Phase II Supplemental Remedial Investigation, conducted in 2001 and 2002.

To provide appropriate context, this report includes a limited review of the work and findings of two preliminary site investigations completed before 1997, and portions of two Interim Remedial Measures (IRMs) undertaken simultaneously with the RI. This report is comprehensive of all portions of the site investigations that have

helped achieve the objectives of the RI. These objectives are discussed in detail in Section 3 of this report. Through each portion of the RI, NYSEG's overall objective has been to characterize the nature and extent of the former MGP's impacts on the environment so that a Feasibility Study may be conducted to identify a final remedy.



Figure 1.1 1994 Air Photo showing the Former MGP and surrounding features.

1.2 Site Setting

The Court Street Former MGP Site (the "site") is located in an industrial section of Binghamton, in Broome County, New York. This setting is illustrated on Figure 1 and in the adjacent air photo, Figure 1.1. The site occupies property identified as 271-291, and 293 Court Street, all now owned by NYSEG. The 293 Parcel is used as a natural gas service center by Columbia Gas Transmission Corporation. The remaining portion of the site is now a gravel lot, and is used only as an equipment storage and parking area for NYSEG's Court Street Service Center.

The service center is located immediately west of the site, across Brandywine Avenue. To the south, the site borders Court Street, which runs beside the Susquehanna River. East of the site is the 295 Court Street Property, containing a warehouse owned by the 295 Court Street Associates, L.L.C. (referred to hereafter as the Binghamton Materials Handling warehouse, or simply the “BMH warehouse”). Immediately north of the site is a major Norfolk and Southern Railroad line (formerly CSX), an asphalt works plant and a scrap yard.

1.3 History of Investigations

In 1991, the year NYSEG took possession of the property through its acquisition of Columbia Gas of New York, they began formal investigations into the Court Street Site due to its history as an MGP. NYSEG conducted two studies prior to the RI, which laid the groundwork for the later work. The early investigations were identified as follows:

- *Prioritization of Former MGP Site*, prepared by Engineering Science, Inc. in 1992, based on a limited field investigation conducted in 1991.
- *Task II Remedial Investigation* (Task II RI), prepared by BBL in 1996, based on a more extensive field program conducted between April 1993 and January 1994.

Based on the findings of the *Task II RI*, the New York State Department of Environmental Conservation (NYSDEC) and NYSEG entered into an Order on Consent, effective November 8, 1996, which shaped the scope of the first phase of the RI, at the time referred to as the SRI (now called the Phase I SRI).

After performing the work, BBL submitted its findings in a Draft Phase I SRI Report, dated June 1998. The NYSDEC provided comments on the report in correspondence dated October 1, 1998, and January 14, 1999. BBL then revised and resubmitted the Draft SRI Report in March 1999.

While the Phase I SRI Report was under state review, NYSEG voluntarily undertook the 293 and 295 Court Street Investigations, to assess the subsurface conditions of the properties immediately east of the site, then owned by third parties. BBL submitted the results of the 293 and 295 Court Street Investigations as draft letter-reports to NYSEG in August and October, 1998, respectively.

Based on the findings of the 293 Court Street Investigation, the NYSDEC requested that the definition of the Court Street Site contained in the Order on Consent be amended to include the 293 Court Street property. This amendment to the Order on Consent was made on January 21, 1999. Shortly thereafter, on September 10, 1999, NYSEG purchased the 293 Court Street property.

NYSEG finalized an Interim Remedial Measures (IRM) work plan for a limited source removal program in November 2000. The work, which included excavating impacted soil and several underground remnants of the MGP, began that same month and was completed August 2001. NYSEG submitted the Draft IRM Final Engineering Report to the NYSDEC in January 2002.

In the late summer of 2000, the NYSDEC changed project managers for the site and in correspondence dated September 18, 2000, notified NYSEG that the remedial investigation for the site was not complete. In an October 10, 2000 letter to NYSEG, the NYSDEC outlined their perceived data gaps. In response to these letters, NYSEG submitted, and the NYSDEC approved, the July 2001 Work Plan for the Phase II SRI. This Work Plan outlined the agreed scope of work required to complete the RI, and the general requirements of this report.

In correspondence dated October 10, 2000, the NYSDEC requested NYSEG complete a second IRM to mitigate the suspected transport of site-related constituents to the Susquehanna River along the former 66-inch storm sewer (shown on Figure 2). In January 2002, BBL submitted a plan to the NYSDEC for evaluating the feasibility of such an IRM and completed the initial phase of the evaluation in conjunction with the Phase II SRI. NYSEG plans to submit the results of the evaluation to the NYSDEC by the end of May 2002.

1.4 Report Scope and Organization

This document incorporates elements from each of NYSEG's site investigations since it took ownership in 1991, including the seven projects mentioned in the above section. This report focuses, however, on the three investigations constituting the RI, which have not (or will not) be reported elsewhere: the Phase I SRI of 1997, the offsite properties investigations of 1998, and the Phase II SRI of 2001. This document encompasses and supercedes prior draft submittals for the Phase I SRI and for the offsite properties investigations.

As a note of clarification, NYSEG initially used the title "*Supplemental* Remedial Investigation" in 1997 to indicate that the work was a continuation of the Task II RI. The SRI nomenclature persisted through the planning and completion of the Phase II SRI in 2002. For the final version of this report, the NYSDEC has asked that NYSEG adopt the more standard title "Remedial Investigation" to refer to the body of work completed. Though the term "supplemental" may be misleading with regard to the new RI nomenclature, to be consistent with the project history this RI Report refers to the Phase I SRI and Phase II SRI as distinct portions of the overall project.

As mentioned above, the Prioritization Investigation and the Task II RI are completed projects with submitted reports. The relevant data and other findings of those investigations are included in this report. For the reader's convenience a scanned copy of the Task II RI Report is included on the Electronic Attachments CD.

This report also presents key activities and findings of IRMs completed, or in progress, at the site. The work of the IRMs is tangential to the objectives of the RI, and is discussed only as far as the data provide support for the site investigations. Section 6 discusses the IRMs in more detail, though thorough coverage of their activities and findings has been left for the engineering documents submitted, or planned for submittal, pertaining specifically to that work (see Section 6 for details).

2. Site History and Prior Work

2.1 Site History

BBL developed this discussion of site history based on historical maps and other information from multiple sources and dating back to 1836. Relevant maps are provided in the Electronic Attachments CD included with this report.

In 1836, the current site limits lay along Court Street on the eastern outskirts of what was then the village of Binghamton. At that time, the site appeared undeveloped and contained a canal identified as “Side Cut to Chenango Canal”, referred to hereafter as the “Brandywine Canal”. The Brandywine Canal was aligned roughly north-south and passed through the western portion of the site before passing beneath Court Street and joining the Susquehanna River (Tower, 1836). More recent information suggests that the path of a tributary to the Susquehanna, Brandywine Creek, followed the approximate route of the Brandywine Canal. A less detailed map drawn four years later (Wentz, 1840) does not call out the canal or the creek specifically, but shows that the current site limits were located between the Susquehanna River and a lowland area that drained to the river through the western portion of the site. The map notes that this lowland area was “affected by waters of the Chenango Canal”.

The Brandywine Canal appears to have been abandoned between 1876 and 1885, as shown on the two adjacent Figures 2.1 and 2.2. The 1876 map (Figure 2.1) shows the canal and a feature that may be Brandywine Creek, shown north of the site running parallel to the canal. The 1885 map shows what appears to be Brandywine Creek and a dashed line labeled “Line of Canal Extension” that reasonably matches the location of the Brandywine Canal. Based on this information it appears that, at least for a time, the creek and canal followed parallel but separate courses through the western portion of the site. The approximate location of these features in relation to current site features is shown on Figure 2.

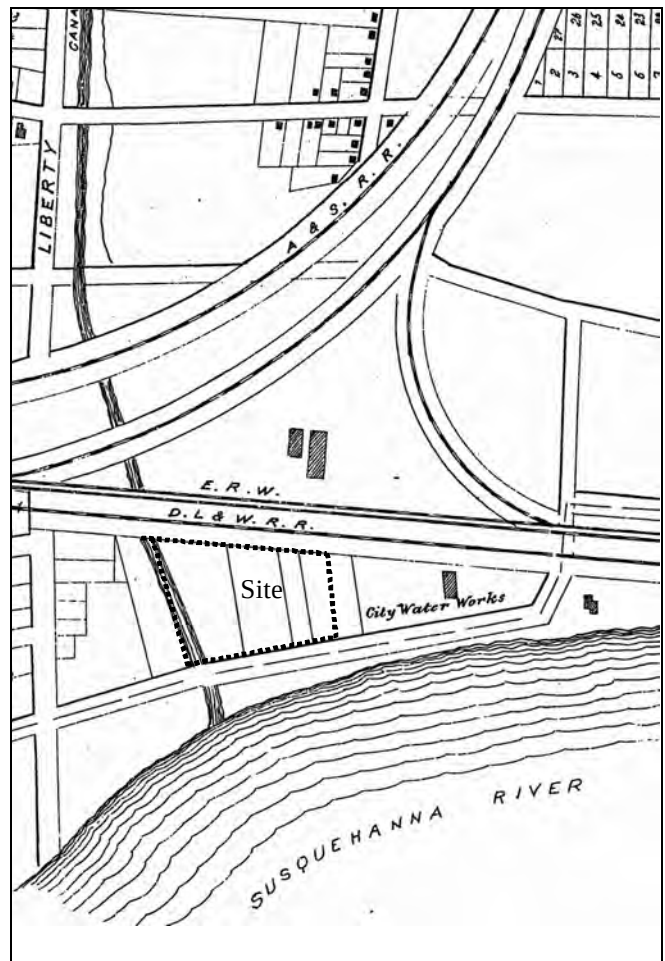


Figure 2.1 1876 map showing approximate site limits.

Figure 2.2 also shows the location of a former oil refinery, situated north of the current 293 and 295 Court Street properties. This refinery was incorporated in 1872 and by 1898 was producing 100 barrels per day of petroleum product (American Journal of Progress, 1898). Sanborn maps from 1887 and 1918 show that the refinery had as many as 18 storage tanks of various sizes, some described as “sunk in the ground”, with contents identified as “kerosene”, “gasoline”, and simply “oil”. Sometime between 1918 and 1949, the refinery was replaced by the Municipal Construction Company Asphalt Works (Sanborn, 1918 and 1949), and appears to have been operated as such, under various owners, until the present. In summary, either an oil refinery or an asphalt plant occupied this parcel for a period of at least 97 years.

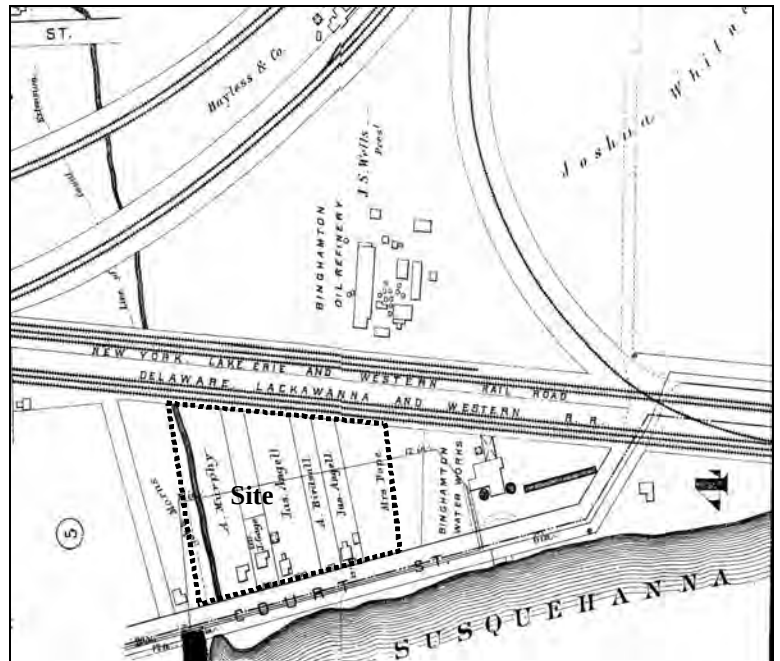


Figure 2.2 1885 map showing approximate site limits and oil refinery.

In about 1888, the Binghamton Gas & Electric Company began MGP operations on land that is now in the eastern portion of the site (293 Court Street). Plant ownership passed to the Binghamton Gas Works by 1898, and operations continued to expand westward across the site.

At some point between 1885 and 1924, Brandywine Creek was diverted into a culvert that still crosses the site, identified as the 66-inch storm sewer. The earliest mention of the 66-inch sewer was found in a City of Binghamton record of a flood in 1924.

Sanborn Maps show various structures within the plant, including four gas holders, seven oil tanks, a tar-separating well¹, machine shop, and a governor house. The footprints of the former plant features are shown on Figure 2. By the time the plant stopped gas production in about 1939 (Eng, 1985), its structures covered the entire site, between Brandywine Ave. and the western boundary of the 295 Court Street Property. Gas production records from 1940 to 1950 list the source of gas at the site as “natural gas”. By about 1969 all aboveground structures at the plant had been dismantled. The Electronic Attachments CD contains an album

¹ This structure is identified differently on historical maps. It has been labeled an “ammonia well”, “settling tank”, and a “tar-separating well”.

retrieved from the former MGP records, which included photos of site structures and limited information on their construction.

The scrap yard that currently occupies the property northwest of the site (see Figure 1.1) dates back to at least 1949, where it is labeled as such on a Sanborn map covering that period.

Columbia Gas of New York and its predecessors owned the property until 1991, though in 1961 they sold the 293 Court Street parcel to a private party. When NYSEG purchased Columbia Gas of New York in 1991, it assumed ownership of the Court Street Property and responsibility for management of issues related to the former MGP. On September 10, 1999, NYSEG purchased the 293 Court Street property back from the private party.

2.2 Previous Environmental Investigations and General Findings

This section summarizes the scope and general findings of the two environmental investigations that preceded the RI, the Site Prioritization Investigation (ES, 1992) and the Task II RI (BBL, 1996). The findings of those investigations are incorporated in the later sections of this report.

2.2.1 Site Prioritization Investigation

In 1991, NYSEG commissioned Engineering Science, Inc. to complete a Site Prioritization Investigation to determine whether the site posed an imminent threat to human health and/or the environment. Twelve environmental samples were collected:

- Seven surface-soil samples (six from the site and one “background” sample from an off-site location); and
- Three surface-water and three sediment samples from the Susquehanna River.

The surface-water and sediment samples were collected from locations upstream, adjacent to, and downstream of the site. Each of the samples was analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and inorganics including cyanide.

The general findings of the investigation were the following:

- Surface soil samples were found to contain polycyclic aromatic hydrocarbons (PAHs), a subset of SVOCs often associated with MGP sites, at concentrations as high as approximately 40.2 ppm.
- River surface water was found to contain no site-related constituents above applicable criteria.

-
- River sediment was found to contain significant concentrations of both VOCs and SVOCs that were potentially derived from the site.

Based on the findings presented in the report *Prioritization of Former MGP Site* (ES, 1992), NYSEG determined that additional work was warranted. These findings shaped the scope and objectives of the Task II RI, discussed below.

2.2.2 Task II Remedial Investigation

On NYSEG's behalf, BBL completed the field work for the Task II RI between April 1993 and January 1994. The objectives of the Task II RI were to:

- Locate and assess potential site-related source areas and impacted areas;
- Define the extent of constituents in soils, groundwater, surface water, and sediments; and
- Determine whether the constituents presented a potential significant threat to human health and/or the environment.

The investigation included the following activities:

- Excavating 21 test pits/trenches (TP-1 through TP-21);
- Drilling 11 soil borings (TB-1 through TB-11);
- Installing four shallow monitoring wells (MW93-1S, MW93-2S, MW93-3S, and MW93-6S);
- Installing five deep monitoring wells (MW93-1D through MW93-3D, MW-93-5D, and MW93-6D);
- Installing one piezometer (PZ93-1); and
- Collecting and analyzing samples of soil, groundwater, and Susquehanna-river water and sediment.

The locations of the test pits, borings and wells are shown on Figure 3. The boring logs and test pit logs were presented in the Task II RI Report, but are also included in Appendix A of this report. The Task II RI achieved the following:

- Determined that non-aqueous phase liquid (NAPL)-affected soil pervades the former MGP operations area of the site at depths from several feet below grade to the top of a geologic deposit called till, approximately 50 feet below grade.
- Developed a preliminary assessment of groundwater flow.
- Determined that groundwater below the site, from the water table to the top of the till, contains site-related constituents in concentrations exceeding NYSDEC Ambient Water Quality Standards. The investigation

also found chlorinated aliphatic hydrocarbons in all deep monitoring wells. Concentrations of these chemicals often exceeded the Ambient Water Quality Standards. As discussed later, the RI would subsequently demonstrate that the chlorinated hydrocarbons were from an upgradient source, not associated with the former MGP.

- Identified two areas of the river where sediment contained site-related materials: near the 66-inch sewer and 24-inch pipe outfalls. (Both locations are shown on Figure 2)
- Confirmed that the Susquehanna River water quality was not adversely impacted by site-related constituents.

The *Task II RI Report* (BBL, 1996) was submitted to the NYSDEC, with recommendations for additional work that would form, in part, the scope of subsequent RI (the subject of this report). The objectives and scope of the RI are discussed in detailed in the following section.

3. Objectives

3.1 Objectives of the Order on Consent

After completion of the *Task II RI*, the NYSDEC and NYSEG entered into an Order on Consent (Index #D7-001-96-03), effective November 8, 1996, which outlined objectives to be met to satisfactorily complete the RI. These objectives were based on the *Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA* (USEPA 1988), so that, when completed, the RI and the preceding work would meet the regulatory definition of a Remedial Investigation.

The adjacent table lists the nine objectives contained in the Order on Consent. The two objectives regarding the City's Ranney Well (objectives 8 and 9) were quickly eliminated. The NYSDEC indicated that testing of the Ranney Well would be unnecessary if NYSEG and the appropriate government agencies could agree on a feasible alternative to using the Ranney Well as a backup water supply (NYSDEC, 1997). The Order on Consent was thus modified effective January 21, 1999 (Index #A7-0379-9811). Such an agreement was reached on February 1, 1999. NYSEG, the City of Binghamton and the Village of Johnson City developed a plan to close the Ranney Well and replace its capacity as a backup water supply by connecting the municipal water systems of Binghamton and Johnson City. That work was completed in July 2000 and the Ranney Well has since been decommissioned.

The work of the RI was formulated to generate focused data to meet the remaining objectives contained in the Order on Consent. To this end, the objectives were subdivided into the three general tracks which the investigation would follow:

- **Subsurface Investigation.** Characterize the hydrogeology of the site, and the nature and extent of site-related impacts so that an FS may be undertaken. (Objectives 1,2, 3, and 5)
- **Susquehanna River Evaluation.** Assess the extent of site-related impacts to the River, so that an FS may be undertaken. (Objectives 4, 6, 7)

Table 3.1
Order on Consent Objectives
November 8, 1996

1) Source area delineation and characterization to allow planning for remediation on property [NYSEG] controls.
2) Install wells upgradient of the site in order to determine the impact the Site's contamination may have on groundwater quality, to the extent access can be obtained.
3) Determine the existence and extent of NAPLs on the Site and between the Site and Susquehanna River
4) Determine the existence and extent of hazardous substance and petroleum contamination originating from the Site along the banks and in the sediment of that portion of the Susquehanna River located across from the and downgradient from the Site.
5) Search for preferential pathways impacting sediments through the study of, inter alia, temperature gradients indicating seeps, nearby storm sewers, and the former creek bed.
6) Analyze municipal water at the Susquehanna River intake for the presence of MGP constituents.
7) Evaluate whether contaminated sediments could be drawn to such intake.
8) Perform, in coordination with the City of Binghamton, a pump test to determine if the cone of depression from the City's Ranney well extends to the groundwater underlying the site.
9) Perform a water quality analysis during such pump test to determine if coal tar constituents are impacting the Ranney Well.

-
- **Risk Evaluation.** Characterize the potential risks to human health and the environment posed by site-related constituents.

Each track of the investigation was undertaken to characterize different elements of the site's environmental condition. The elements of these tracks are summarized below.

3.2 Elements of the Subsurface Investigation

The Subsurface Investigation needed to accomplish two interrelated tasks in sufficient detail that an FS could be prepared:

- Characterize the site hydrogeology sufficiently to develop a viable conceptual model; and
- Characterize the nature and extent of MGP-impacted media.

3.2.1 Hydrogeology Evaluation

To sufficiently characterize site hydrogeology, BBL collected data to complete the following:

- Identify the physical properties of significant hydrostratigraphic units below the site;
- Identify significant man-made features (i.e., the flood wall, utilities, and former canal) and evaluate their effect on groundwater or NAPL migration; and
- Characterize groundwater flow patterns, including expected locations of discharge to the River.

BBL characterized the site hydrogeology by drilling soil borings, excavating test pits, installing and gauging monitoring wells and piezometers, testing hydraulic conductivity, measuring soil grain size and physical properties, performing computerized groundwater modeling, researching the site and area history, and performing geophysical surveys. The data generated were used to build a conceptual model of the site that integrates all of the information gathered and facilitates remedial decision-making. The details of the tasks performed are discussed in Section 4.

3.2.2 Nature and Extent Evaluation

To characterize the nature and extent of MGP-impacted media, BBL collected data to complete the following:

- Identify potential or ongoing sources of site-related constituents in soil that may adversely affect groundwater quality.
- Characterize upgradient groundwater quality and identify potential offsite contaminant sources.
- Delineate the approximate bounds of site-related impacts to soil and groundwater quality.
- Evaluate the potential fate and transport of site-related constituents in soil and groundwater.

BBL characterized the nature and extent of MGP-impacted materials through observations of site media in borings, test pits and wells, and through laboratory analyses of soil and groundwater samples from various depths and locations. BBL used computer models to help assess groundwater movement. The details of the tasks performed are discussed in Section 4.

3.3 Elements of the Susquehanna River Evaluation

For the Susquehanna River Evaluation, BBL collected data to complete the following tasks:

- Identify site impacts to river water and sediments.
- Evaluate potential fate and transport of site-related constituents in river water and sediments.

BBL completed the Susquehanna River evaluation with a variety of tasks. Data were collected by sediment probing, sediment and surface-water sampling, temperature and conductivity surveying (to identify groundwater seeps), and drilling deep riverbed borings. Data were used to model river transport of site-related constituents. The model demonstrated that impacted media could not be drawn to the Binghamton water filtration plant intake. The details of the tasks performed are discussed in Section 5.

3.4 Elements of the Risk Evaluation

The Risk Evaluation was completed to achieve the following:

- Characterize human health risks associated with environmental media impacted by site-related constituents.
- Characterize ecological risks associated with environmental media impacted by site-related constituents.

This track of the investigation was not clearly defined by the Order on Consent, but was deemed necessary by NYSEG to prepare for the FS. BBL completed the Risk Evaluation largely through analysis of data collected for the other phases of work. The details of the tasks performed for the Risk Evaluation are discussed in Section 9.

3.5 Subsequent Objectives and Data Gaps

After completing the Phase I SRI, it was apparent that additional data were necessary to prepare for an FS. To address one such data gap, NYSEG voluntarily undertook offsite investigations of the 293 and 295 Court Street Properties. In October 2000, the NYSDEC identified several additional data gaps that required another phase of fieldwork (the Phase II SRI). The specific objectives of these subsequent investigations are discussed below.

3.5.1 Offsite Properties Investigations Objectives

The 293 and 295 Court Street Investigations were extensions of the Subsurface Investigation, necessary in order to more fully characterize the local hydrogeology and the nature and extent of site-related impacts. As such, the objectives of these investigations were not new; they were to collect additional data to help complete the original tasks of the RI, and satisfy the objectives in the Order on Consent.

To collect the additional data needed, BBL completed the following:

- Drilled and collected soil samples from five soil borings on the 293 Court Street Property; and
- Installed and tested three new monitoring wells on the 295 Court Street Property.

The details of the tasks performed for the Offsite Properties Investigations are discussed in Section 5.

3.5.2 Phase II SRI Objectives

NYSEG undertook the Phase II SRI in response to NYSDEC concerns that the completed work to date had left certain data gaps. These concerns were initially stated in an October 19, 2000 letter to NYSEG, then refined in a series of correspondence, meetings and conference calls, summarized in the Phase II SRI Work Plan (BBL, 2001c). The overall objective of the Phase II SRI was the same as that of prior work, to collect the data necessary to proceed to an FS. To do this required filling the data gaps identified by the NYSDEC, specifically the following:

-
- To refine the eastern extent of NAPL associated with the MGP;
 - To determine if NAPL had pooled behind the Susquehanna River flood wall;
 - To investigate the extent of NAPL west of the site near the corner of Henry Street and Brandywine Avenue;
 - To determine the vertical extent of NAPL (i.e. determine if NAPL were present in the till or bedrock);
 - To further delineate the extent of site impacts in and below the Susquehanna River; and
 - To better characterize potential migration pathways of site-related constituents from land into the river.

The NYSDEC also requested that NYSEG investigate the potential for construction-worker exposure in Brandywine Avenue, and confirm prior groundwater sampling results from several upgradient monitoring wells. The work performed for the Phase II SRI fell into the three general tracks of the Phase I: Subsurface Investigation, Susquehanna River Evaluation, and Risk Assessment. The elements of the work performed were included in the lists given above for each track of the Phase I SRI. The details of the tasks performed for the Phase II SRI are included, as appropriate, in Sections 4, 5, and 9 (respectively, Subsurface Investigation Activities, Susquehanna River Evaluation Activities, and Risk Assessment).

4. Subsurface Investigation Activities

4.1 Overview

This section discusses the various field tasks completed on land through the full investigatory history of the Court Street Site, organized by type of work and the intended objectives. (Tasks completed to evaluate the Susquehanna River are described in Section 5.) The work completed as part of the RI was outlined in the following NYSDEC approved work plans:

- *Work Plan for Conducting a Supplemental Remedial Investigation Feasibility Study at the Court Street Site, Binghamton, New York.* “SRI Work Plan” (BBL, 1997a);
- Letter work plan for the Offsite Properties Investigations. “Offsite Work Plan” (Letter from F. Kirschenheiter (BBL) to Thomas Suozzo (NYSDEC) dated November 11, 1997); and
- *Work Plan Binghamton Court Street Site Phase II Supplemental Remedial Investigation.* “Phase II Work Plan” (BBL, 2001c).

This section provides a general overview of the field methods used, but does not reiterate the full detail of field procedures presented in the work plans. For a more detailed reference, the scanned copied of the work plans listed above can be found on the Electronic Attachments CD, included with this document.

Only the salient activities of the Prioritization Investigation and the Task II RI are covered in this section. Thorough discussions of the activities of these early investigations were presented in their respective reports:

- *Prioritization of Former Manufactured Gas Plant Site, Binghamton Court Street Site (NYSEG Code CG BS).* (Engineering - Science, Inc. 1992); and
- *Task II Remedial Investigation Report. Former Manufactured Gas Plant Site. Court Street. Binghamton, New York.* (BBL, 1996).

For ease of reference, the Task II RI Report has been scanned and can be found on the Electronic Attachments CD, included with this document.

The key activities of IRMs completed, or in progress at the site, are also presented. The work of the IRMs is tangential to the objectives of the RI, and is discussed only as far as the data provide support for the site investigations. Section 6 discusses the IRMs in more detail, though thorough coverage of their activities and

findings has been left for the engineering documents submitted, or planned for submittal, pertaining specifically to that work (see Section 6 for details).

4.2 Soil Boring Programs

Drilling soil borings was the primary method used to investigate the site geology and the nature and extent of site impacts. BBL completed the first borings at the site as part of the Task II RI in 1992. To date, borings have been drilled at 38 distinct locations with monitoring wells or piezometers being installed at 25 locations.

Every boring was drilled to gather specific information needed to complete the RI – to provide physical or chemical data about the subsurface, or install a monitoring well. Regardless of purpose, all borings contributed data toward characterization of the site hydrogeology, the extent of buried utilities and structures, and the nature and extent of site-related impacts.

With some minor deviations, described in the subsections below, the boring programs have followed a consistent methodology:

- Drilling was completed using hollow-stem augers, spun by a truck-mounted rig;
- Soil samples were retrieved by driving continuous split-spoons, consistent with American Standards for Testing Materials (ASTM) Method D-1586 (1994);
- Soil samples were observed and described by a supervising geologist, and screened for VOCs using a photo-ionization detector (PID);
- Selected samples were submitted for various laboratory analyses, as described below;
- Upon completion, borings were tremie-grouted to grade; and
- Boring locations were later surveyed for position and surface elevation. The elevations shown in this report are given relative to the 1929 National Geodetic Vertical Datum (NGVD). Surface coordinates are given relative to the North American Datum (NAD) of 1983 – State Plane New York Central (3102).

The subsections below outline the scope and intent of the work completed in each phase of the site investigations. Additional detail on the soil boring programs can be found in the following places:

- Soil boring locations are shown on Figure 3;
- Subsurface boring logs are included in Appendix A;
- Depths and details of the analytical methods for samples submitted for analysis are summarized on Table 3;
- Analytical results are summarized on Table 5, and discussed later in Section 7 (Subsurface Investigation Findings);
- Chain-of-Custody forms are included on the Electronic Attachments CD; and
- Laboratory reports on the physical characteristics analyses are included on the Electronic Attachments CD.

Also, as mentioned above, several reference documents have been scanned and included in the Electronic Attachments CD, including the Task II RI Report and selected work plans.

4.2.1 Task II RI

A total of 11 soil borings were drilled in May and June of 1992 for the Task II RI. The work was completed as part of a Source Investigation, designed to verify the locations of potential MGP related source areas and to confirm the presence and extent of the site-related impacts. The depths of the borings ranged between 14 and 59 feet bgs, with the majority advanced to the top of till. The borings locations (shown on Figure 3) were chosen to fall within or near potential MGP source areas, or in areas hydraulically downgradient of the suspected source areas.

Borings were also drilled for one piezometer and eight monitoring wells. As noted in the adjacent table, continuous split spoon samples were collected at all boring locations except the shallow members of well pairs, where the deeper borings had been sampled.

Selected soil samples were submitted for various suites of analysis, as indicated in Table 4.1:

Table 4.1 Task II RI Boring Locations

Boring ID	Boring Depth (ft.)	Split Spooned	Soil Sample Analyzed	Location/ Area Investigated
TB-1	59.0	ü	ü	Oil tanks 1-3
TB-2	48.4	ü	ü	Oil tanks 5-7
TB-3	56.0	ü		No. 2 gas holder
TB-4	54.0	ü		No. 3 gas holder
TB-5	56.0	ü	ü	
TB-6	8.5	ü	ü	
TB-7	24.0	ü		South-center onsite
TB-8	52.8	ü		
TB-9	58.5	ü		No. 4 gas holder
TB-10	57.2	ü	ü	No. 3 gas holder
TB-11	14.3	ü	ü	No. 1 gas holder
MW93-1D	51.2	ü		Southern property boundary
MW93-1S	20.7			
MW93-2D	56.2	ü		
MW93-2S	14.8			
MW93-3D	48.0	ü		
MW93-3S	22.0	ü		Northern property boundary
MW93-5D	62.0	ü		
MW93-6D	60.8	ü		
MW93-6S	24.0	ü		
PZ93-01	12.0	ü		

- Six samples for laboratory analysis of VOCs, SVOCs, metals, and total and amendable cyanide (five from impacted intervals, one at depth for vertical delineation);
- Four samples for waste disposal characterization for reactivity, BTU content, and total petroleum hydrocarbons (TPH) selected from among the impacted intervals identified above; and
- Physical analysis of grain size, selected from various hydrostratigraphic units.

Sample analyses followed the NYSDEC ASP-12/91 analytical protocol, and included QA/QC samples at a frequency indicated in the RI Work Plan's QAPP. Additional details and results may be found in the locations noted in Subsection 4.2. These activities and findings were all previously reported in the Task II RI Report (BBL, 1996), which is included on the Electronic Attachments CD.

4.2.2 Phase I SRI

The Phase I SRI included a total of 18 locations for drilling of soil borings and monitoring wells. All borings were completed according to the SRI Work Plan, with several minor exceptions which are noted below. The work also followed the DNAPL Contingency Plan, which provided a set of procedures to be followed if DNAPL was observed or suspected while drilling. BBL transmitted the DNAPL Contingency Plan to the NYSDEC as an attachment to a letter dated September 12, 1997 (BBL, 1997b).

Laboratory sample packages were submitted with the full suite of Analytical Services Protocol (ASP) quality assurance/quality control (QA/QC) samples, including blind duplicates, matrix spikes (MS), matrix spike duplicates (MSD), equipment rinse blanks, and trip blanks. The frequency of QA/QC samples, and other sampling requirements were outlined in the Quality Assurance Project Plan (QAPP) included in the SRI Work Plan.

As noted in Table 4.2, continuous split spoon samples were collected at all boring locations except at the shallow members of well pairs, where the deeper borings had been sampled.

Table 4.2 Phase I SRI Boring Locations

Boring	Boring Depth (feet)	Split Spooned	Soil Sample(s) Analyzed	Location/ Area Investigated
SB-1	10.0	ü	ü	Northern property line
SB-2	8.0	ü	ü	
SB-3	6.0	ü	ü	
SB-4	20.0	ü	ü	West-center onsite
SB-5	14.0	ü	ü	
SB-6	6.0	ü	ü	No. 1 gas holder
SB-7	8.0	ü	ü	East-center onsite
SB-8 / MW-10S	12.0	ü	ü	
TB-12	50.0	ü	ü	Downgradient
TB-13 / MW97-8S	24.0	ü	ü	Downgradient by 66-inch sewer
MW97-7S	30.0		ü	Downgradient/ adjacent to TB-12
MW97-9D	48.0	ü		West of site along Brandywine Ave.
MW97-9S	23.2			
MW97-10D	54.0	ü		East-center of site
MW97-11S	20.0	ü		Downgradient within Court Street
MW97-12S	18.0	ü		
MW97-13S	14.0	ü		Tar-Separating well
MW97-14D	40.0	ü		East of site, behind the BMH warehouse
MW97-14S	20.0			
TW97-1D	64.0	ü		Upgradient wells within Norfolk Southern Railroad
TW97-1S	28.0			
TW97-2D	69.1	ü		
TW97-2S	24.5			
TW97-3S	24.1	ü		

The specifics of each portion of the Phase I SRI soil boring program are summarized below.

4.2.2.1 Shallow Soil Borings (SB-1 to SB-8)

The Phase I SRI included eight shallow soil borings to delineate the extent of MGP-impacts above the water table. The boring locations (shown on Figure 3) were chosen based on a review of previous investigations, to provide data in areas not thoroughly investigated during the Task II RI.

The borings included three along the northern property boundary (SB-1, 2, and 3), four in a west to east line approximately midway between the north and south property lines (SB-4, 5, 7 and 8), and one just east of the former No. 4 Gas Holder (SB-6). Soil boring SB-8 was converted to a monitoring well, as discussed in Subsection 4.3.

The soil borings were continuously sampled to the water table. From each boring, a sample from the interval with the highest PID reading and a sample from the interval with the lowest PID reading were submitted for laboratory analysis. The samples were submitted for analysis of PAHs, total benzene, and Toxicity Characteristic Leaching Procedure (TCLP) benzene. Samples collected from soil borings SB-4, SB-5, and SB-6 were also analyzed for reactivity.

The results of the reactivity analyses were rejected during BBL's data validation process because the laboratory failed to perform the analyses within the required holding time. Because at least two reactivity samples were required in the SRI Work Plan, BBL drilled two new soil-borings in 1998 slightly offset from SB-4 and SB-6. Soil samples for reactivity analysis were taken from those new borings at the same depth intervals as the original soil samples.

Additional details and results may be found at the locations noted in Subsection 4.2.

4.2.2.2 Downgradient Test Borings (TB-12 and TB-13)

The Phase I SRI included two test borings (TB-12 and TB-13) installed between the site and the river. As a continuation of the TB-series borings of the Task II RI, these borings were planned to delineate the horizontal and vertical extent of NAPL by drilling to the top of till at locations downgradient of the known extent of NAPL. Data collected at these borings would also be used to aid in the characterization of potential preferential pathways.

Test boring TB-12 was completed as described in the SRI Work Plan. Boring TB-13 was not advanced to the top of the till unit as planned, because potentially mobile NAPL was identified in the 20- to 22-foot sample. As required by the DNAPL Contingency Plan, drilling was discontinued to minimize the probability of

remobilizing DNAPL. The boring was converted into a DNAPL collection monitoring well (MW97-8S). Details of its construction and installation are covered in Subsection 4.4.

Through field screening, based on PID readings and visual evidence of impacts, the sample from each boring judged to contain the greatest concentration of constituents was submitted for laboratory analysis of TCL VOCs, TCL SVOCs, TAL inorganics, total cyanide, and amenable cyanide if total cyanide was detected. Note that the analytical sample from TB-12 was actually collected from the boring for the adjacent monitoring well MW97-07.

The SRI Work Plan also specified that three soil samples be collected from each boring, one from the silt unit, one from the sand and gravel unit, and one from the till. These samples were analyzed for a suite of physical parameters (shown in Table 4.3).

Samples were collected using Shelby Tubes, where feasible. Because total organic carbon (TOC) samples were analyzed separately from the physical tests, those samples may have been collected from slightly different depth intervals. Due to subsurface conditions, some of the analyses were performed on samples collected from borings other than TB-12 and TB-13. These conditions included the following:

- The silt unit targeted for sampling was absent at the TB-12 location, and affected by site-related constituents at the TB-13 location. Instead, silt samples were collected during the installation of monitoring wells MW97-11S and TW97-1S.
- Shelby-tube samples could not be successfully collected from the till at TB-12 and (as previously mentioned) the till unit was not reached at TB-13. For these reasons, permeability, porosity, and bulk density analyses were not performed on the till. TOC, moisture content, GSDA, and Atterberg limits analyses were performed on one sample of till retrieved from a split-spoon sampler from soil boring TB-12.

Additional details and results may be found at the locations noted in Subsection 4.2.

4.2.3 Offsite Investigations

The Offsite Investigations conducted in 1998 focused on the two properties immediately east of the site: 293 and 295 Court Street. NYSEG purchased the 293 Court Street Property after the investigations, and additional work was later completed on both properties, during the Phase II SRI.

Table 4.3
Physical Parameters Evaluated in
Soil: Phase I SRI

Analysis
Total organic carbon (TOC)
Moisture content
Grain size distribution analysis (GSDA)
Atterberg limits (silt and till samples only)
Permeability (silt and till only)
Porosity (silt and till only)
Bulk density (silt and till only)

The 1998 field work followed the procedures outlined in the Offsite and the SRI Work Plans, as appropriate. Four soil borings, identified as SB-20 through SB-23, were advanced at the 293 Court Street Property. Three additional borings were completed on the 295 Court Street Property for the installation of one single shallow well (MW97-15) and one well pair (MW98-16S&D). These locations are shown on Figure 3. As noted in the adjacent table, continuous split spoon samples were collected from all borings locations except MW98-16S, which was installed immediately adjacent to MW98-16D.

The soil borings were completed as stated in the work plans, with the following exceptions:

- The Offsite Work Plan called for the boring near the former retorts (SB-21) to extend to the till. However, the initial drilling observations suggested some manner of an enclosed basin, with a base at 6 feet below grade. Rather than risk puncturing the basin, and allowing downward migration of the impacted water therein, the first boring was terminated and a second attempted three feet farther west. Similar conditions were found in the new boring, so it was terminated at 8.5 feet. No further attempts were made.
- Both SB-22 and SB-23 were moved slightly from their proposed locations because of subsurface obstructions near grade.
- Both SB-22 and SB-23 were planned to reach till, but were terminated after the supervising geologist observed potentially mobile NAPL in samples collected near the top of the sand and gravel unit.

At each boring location, one soil sample from the most heavily impacted interval was collected for analysis of TCL VOCs, TCL SVOCs, total and amenable cyanide, and TAL inorganics. In addition, the sample from SB-20 was submitted for analysis of TCLP Benzene, the sample from SB-22 for reactive cyanide and sulfide, and the samples from both SB-22 and SB-23 for TPH. Although not required by the work plan, a sample of black-stained silt from MW98-15S was submitted for analysis of TCL VOCs, TCL SVOCs, and TPH. The laboratory samples submitted included QA/QC samples as specified in the SRI Work Plan's QAPP.

Additional details and results may be found at the locations noted in Subsection 4.2.

Table 4.4
Offsite Properties Boring Locations

Boring	Depth (feet)	Split Spooned	Soil Sample(s) Analyzed	Location / Features Investigated
SB-20	11	ü	ü	Former tar well
SB-21	6	ü	ü	Former retorts
SB-22	16	ü	ü	Former purifier
SB-23	18	ü	ü	Former purifier
MW98-15S	17	ü	ü	East of purifiers
MW98-16S	17			Near Ranney Well
MW98-16D	46	ü		Near Ranney Well

4.2.4 Phase II SRI

The Phase II SRI included 17 drilling locations to characterize subsurface conditions and/or install monitoring wells and piezometers. BBL conducted the work following the procedures outlined in Phase II Work Plan. As noted in the adjacent table, split-spoon samples were collected from all borings locations except MW01-17S and PZ01-02, both of which were adjacent to deeper borings. The drilling procedures were consistent with prior methods, with several exceptions discussed later in this section.

The borings drilled for the Phase II SRI were located around the perimeter of the former MGP to complete the delineation of NAPL and other site related constituents. The locations (shown on Figure 3) were chosen to fill specific data gaps noted in Subsection 3.5.2 of this report, in particular:

- To refine the eastern extent of NAPL associated with the MGP;
- To determine if NAPL had pooled behind the Susquehanna River flood wall;
- To investigate the extent of NAPL west of the site near the corner of Henry Street and Brandywine Avenue;
- To determine the vertical extent of NAPL (i.e. determine if NAPL were present in the till or bedrock); and
- Investigate the potential for construction-worker exposure to site-related constituents on Brandywine Avenue.

The drilling and soil sampling tasks completed to address each of these data gaps are discussed below.

Eastern Extent and Flood Wall Soil Borings

Eight soil borings were drilled to better delineate the extent of NAPL east of the MGP (borings SB-101 through SB-104), and along the Court Street flood wall (SB-105 through SB-109). Each was drilled to the till surface, following the procedures outlined in the Phase II Work Plan.

Table 4.5
Phase II SRI Boring Locations

Boring	Boring Depth (feet)	Split Spooned	Soil Sample(s) Analyzed	Location / Features Investigated
SB-101	49.5	ü	ü	Eastern Extent Borings (295 Court Street)
SB-102	61.8	ü	ü	
SB-103	54	ü	ü	
SB-104	64	ü	ü	
SB-105	63.3	ü	ü	Floodwall Borings (in Court Street spaced along floodwall)
SB-106	55.2	ü	ü	
SB-107	53	ü	ü	
SB-108	51	ü	ü	
SB-109	55	ü	ü	Brandywine Ave. Construction Worker Risk Evaluation Borings
SB-110	10	ü	ü	
SB-111	10	ü	ü	
SB-112	10	ü	ü	Downgradient/ vertical extent/ bedrock wells
MW-01-03R	108.0	ü		
MW-01-07R	109.0	ü	ü	Western extent, near Brandywine Ave. and Henry St.
MW-01-17D	59.2	ü		
MW-01-17S	37.0			NAPL piezometer adjacent to SB-106
PZ01-02	21.0			

The locations of each of the eastern extent borings were chosen to form a line of delineation less than 200 feet beyond the easternmost observation of coal-tar DNAPL. Two borings (SB-103 and SB-104) were actually drilled inside the BMH warehouse located at 295 Court Street, using a skid-mounted rig. The locations of the flood wall borings were chosen for several reasons:

- To provide lateral coverage along the length of the Court Street flood wall between the site and the River. Full coverage took into account existing locations along the wall, including MW97-8, MW97-11S and MW97-12S.
- To coincide with areas of apparent site impacts to sediment found in the River. In particular, the location of SB-105 was selected in the field by the NYSDEC, to coincide with a particular area of impacted sediment identified on the river side of the flood wall². Also, the location of SB-106 was chosen to fall near both the 24-inch pipe and the “BB pipe”³, two utilities suspected to represent preferential pathways through the flood wall.

The Phase II Work Plan included a provision for installing NAPL piezometers if NAPL observed in any given boring appeared to be potentially mobile. One such piezometer was installed (PZ01-02) to provide a means to gauge the physical characteristics and mobility of the NAPL identified in boring SB-107. The piezometer was constructed of 2-inch diameter PVC, with a 10-foot screen, and a 2-foot sump grouted in place. A well construction log is included in Appendix A.

BBL collected two analytical samples from each of the eastern extent and flood wall soil borings, with the exception of SB-107 where significant quantities of NAPL were observed. Samples of soil, ranging from apparently clean to heavily impacted, were submitted following a rationale detailed in the Phase II Work Plan. Soils containing a significant quantity of NAPL were carefully documented, but were not submitted for laboratory analysis. Each soil sample was analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) and PAHs. A sample from SB-101 was also submitted for analysis of TPH and the full suite of TCL VOCs to better characterize the soil quality of a sample initially judged not to be coal-tar related.

Vertical Extent of NAPL

To investigate the vertical extent of NAPL, BBL advanced two borings through the till and into the bedrock, and installed bedrock-monitoring wells MW01-3R and MW01-7R. Due to the depth and nature of these wells, the drilling procedures varied somewhat from other drilling locations. The drilling methodology was as follows:

² The sediment referred to was identified several days earlier during sediment probing. As discussed in Section 8, data gathered during the Phase II SRI suggest that the affected sediment is unrelated to the site.

³ This pipe gets its name from as-built plans for the flood wall (contained on the Electronic Attachments CD). In those drawings, pipes passing through the wall are identified using letters of the alphabet.

-
- The driller augered to the top of the till collecting continuous split-spoon samples, in the manner of a conventional soil boring;
 - In order to drill through the till, the borehole was overdrilled with large diameter augers so that a steel casing could be grouted into the top of the till.
 - After the grout had hardened, the driller advanced through the till with spun-casing and a tri-cone roller bit, collecting split spoon samples, as above.
 - Upon reaching the base of the till, approximately 15 feet of rock were cored through the drilling casing using a HQ core-barrel and bit.

The till proved to be extremely dense, and vertically extensive. With NYSDEC approval (Blazicek 7/31/01) BBL made two changes in drilling strategy to accommodate the conditions:

- Split spoon samples would be taken continuously over the first 10 feet of till, then at 5-foot intervals to the top of rock.
- Bentonite slurry would be used as drilling fluid while drilling through the till.

No analytical samples of soil or rock were planned nor collected from the bedrock well borings. A supervising geologist judged the presence or absence of NAPL by observing the samples of soil and rock, and by monitoring the returned drilling fluid.

To better characterize the nature of the till, two samples were submitted for sieve and hydrometer analysis. These samples were collected from MW01-03R and from soil boring SB-105, chosen to reflect apparent compositional differences noted in the till.

Additional details on well installation and testing are included in Subsection 4.4.

Western Extent of NAPL

To investigate the extent of NAPL west of the site, an overburden monitoring well pair (MW01-17S&D) was installed near the corner of Henry Street and Brandywine Avenue. Drilling was completed according to the procedure described in the Phase II Work Plan. The deep boring was drilled first, to the top of till with continuous split spoon sampling. After installation of the deep well, the shallow boring was advanced without sampling for the installation of the shallow well.

No analytical samples of soil were planned nor collected. A supervising geologist judged the presence or absence of NAPL by observing the soil samples collected at each interval. Additional details on well installation and testing are included in Subsection 4.4.

Brandywine Avenue Borings

To investigate the potential for construction-worker exposure to site-related constituents, the Phase II SRI included a series of three shallow soil borings along Brandywine Avenue (SB-110 through SB-112). This task was prompted by NYSEG's observation of NAPL from 4 to 8 feet below grade in a boring completed on-site, near the western property boundary, 70 feet south of well MW93-6S.

Each boring was planned to be drilled to 10 feet below grade, or five feet deeper than the last occurrence of NAPL, whichever was greater. As no NAPL was observed, each of the borings was drilled to 10 feet bgs. Each boring was continuously sampled. The most apparently impacted interval from of each boring was submitted for analysis of BTEX and PAHs.

Additional details and results may be found at the locations noted in Subsection 4.2.

4.2.5 IRMs

Soil borings were completed as part of two IRMs at the site. These borings were completed to meet objectives outside the scope of the RI. However, as the borings provide data on the site hydrogeology and the nature and extent of site-related impacts, they are mentioned here in brief. The adjacent table summarizes pertinent information regarding these borings. Further detail on the scope and status of the IRMs is provided in Section 6 of this report. The borings logs are provided in Appendix A.

Source Removal IRM

Soil borings SB-201 and SB-202 were drilled to support a research and development (R&D) project intended to evaluate the feasibility/applicability of several promising new technologies for expedited characterization of contaminated sites. The R&D project was supported and co-funded by the USEPA Technology & Innovation Office (USEPA/TIO), Electric Power Research Institute (EPRI), and several EPRI member utilities. The borings were placed in the footprint of the No. 3 gas holder (SB-201), and just east of the holder (SB-202), to investigate anomalies noted in the remote-sensing data in that area. BBL completed the borings in September 2001, as an adjunct to the Phase II SRI field program, and therefore followed the drilling procedures of the

Table 4.6 IRM Boring Locations

Boring	Boring Depth (feet)	Split Spooned	Soil Sample(s) Analyzed	Location / Features Investigated
SB-201	52.7	ü		Within and adjacent to Gas Holder 3
SB-202	14	ü		
PZ01-03	16.0	ü		Within Gas Holder 4
PZ01-04	14.6	ü		Beside 66-inch storm sewer
PZ01-05	15.5	ü		
PZ01-06	19.0	ü		

Phase II Work Plan, described above. The locations and sampling strategy were requested by META Environmental, Inc., a firm contracted to help develop and oversee the R&D project. At both borings, samples from each interval were archived for potential resistivity analysis, at META's discretion. No samples were collected for conventional laboratory analyses. The borings were completed as follows:

- Boring SB-201 was drilled to the top of the till unit. Split-spoon samples were collected continuously from 10 feet bgs to the total depth of 52.7 feet bgs.
- The target depth of boring SB-202 was the top of till; however, the soil conditions required discontinuing the boring due to measures in the DNAPL Contingency Plan. The supervising geologist noted potentially mobile DNAPL at 10 feet bgs, above a sequence of intact, clean silt. The boring was terminated at 14 feet bgs, to prevent possible induced downward migration of DNAPL during drilling.

66-inch Storm Sewer IRM

Borings were drilled for four new piezometers (PZ01-03 through PZ01-06) to investigate the fill and soil adjacent to the 66-inch storm sewer, and to provide gauging points to assess groundwater flow along the sewer. The borings were completed in conjunction with a test pitting program (described in Subsection 4.3), also assessing the storm sewer. The drilling was completed following the procedures of the Phase II Work Plan. Piezometer construction and installation are discussed in Subsection 4.4, below. No soil samples were submitted for laboratory analysis.

4.3 Test Pit Excavation

Test pits and test trenches were excavated for the Task II RI, the Phase II RI and as part of the site IRMs, as a tool to directly assess the nature and quality of shallow fill and soil, and to evaluate buried structures potentially acting as reservoirs or conduits for NAPL or impacted groundwater.

The subsections below outline the scope and intent of the work completed in each phase of the site investigations that included test pits. Additional detail on the test pit excavation programs can be found in the following places:

- Test pit locations are shown on Figure 3;
- Test pit logs are included in Appendix A;
- Depths and details of the analytical methods for samples submitted for analysis are summarized in Table 3;

-
- Analytical results are summarized in Table 5, and discussed later in Section 7 (Subsurface Investigation Findings);
 - Chain-of-Custody forms are included on the Electronic Attachments CD; and
 - Laboratory results for grain-size analyses and other soil-property analyses are included on the Electronic Attachments CD.

In addition, several reference documents have been scanned and included in the Electronic Attachments CD, including the Task II RI Report and selected work plans.

4.3.1 Task II RI

During the Task II RI, BBL excavated 21 test pits as part of a source investigation designed to identify the presence and extent of DNAPL beneath the former MGP. The test pits, excavated in May 1992, reached depths between 2.5 and 8.5 feet bgs, and were advanced to refusal, until significant DNAPL was found, or until groundwater entered the pit. As shown on Figure 3, the test pits (identified TP-1 through TP-21) were located in or near former MGP structures (e.g., gas holders, oil tanks, and the tar-separating well) and in other areas chosen to characterize general site fill materials. The excavation procedures followed the RI Work Plan.

Six soil and fill samples were selected from the test pits for laboratory analysis of VOCs, SVOCs, metals and cyanide. One of the samples (from TP-5) was also submitted for waste-disposal characterization analyses, including BTU content, reactivity (cyanide and sulfide), and TPH. Sample analyses followed the NYSDEC ASP-12/91 analytical protocol, and included QA/QC samples at a frequency indicated in the RI Work Plan's QAPP.

Additional details and results may be found at the locations noted in Subsection 4.3.

4.3.2 Phase II SRI

Two test pits were excavated during the Phase II SRI. TP-209 and TP-210, shown on Figure 3, were excavated on September 14, 2001 to evaluate the construction of a concrete wall that runs along the length of the western site boundary. These data were used to select the locations of the shallow soil borings in Brandywine Avenue (SB-110 through SB-112). The data also support the site-wide evaluation of buried man-man structures potentially impacting groundwater and DNAPL migration. Both test pits were excavated to approximately 15 feet bgs, following the test-pitting procedures of the IRM program, then in progress. No analytical samples were submitted from the test pits. Additional details and results may be found at the locations noted in Subsection 4.3.

4.3.3 IRMs

Source Removal IRM

The Source Removal IRM completed by NYSEG and reported in the Draft IRM Final Engineering Report (NYSEG, 2002) consisted of an extensive program of test-pits and test trenches, with excavation of materials considered potential reservoirs of DNAPL. This work was completed under the NYSEG's IRM Work Plan (November 2000). The project is discussed in more detail in Section 6.

In general, the work included the following test-pitting and excavation activities:

- Evaluate and remove the contents of the foundation of the former No. 3 gas holder;
- Evaluate and remove the foundation (and its contents) of the tar-separating well;
- Identify other buried structures potentially forming DNAPL reservoirs; and
- Identify and remove (where appropriate) inactive buried pipes potentially containing NAPL, or forming conduits for DNAPL or groundwater migration.

The source removal IRM test pit locations are not shown on the figures in this report. Their locations may be found in Draft Final Engineering Report (NYSEG, 2002).

66-inch Storm Sewer IRM

BBL is currently evaluating the feasibility of a second IRM, which would address NAPL migration along the 66-inch storm sewer. This work is addressed in more detail in Section 6. The work completed included eight test pits to investigate several man-made features including, and adjacent to, the 66-inch storm sewer. The test pits addressed the following:

- The construction and nature of bedding materials of the 66-inch storm sewer, with five new tests pits (TP-204, TP-205, TP-206, TP-207 and TP-208) at various locations along the length of the sewer as it crosses the site from north to south (see Figure 3).
- The foundation of the No. 4 gas holder where the 66-inch storm sewer passes underneath from the north and south, with two of the test pits mentioned above, TP-206 and TP-208.
- A buried concrete wall, potentially a relict feature of the Brandywine Canal, with three test pits, TP-201, TP-202, and TP-203.

No laboratory analytical samples were submitted from the IRM test pits. Several samples of the materials around and beneath the 66-inch storm sewer were submitted to Parratt Wolff, Inc. for grain-size analysis. The

subsurface logs for these test pits are included in Appendix A. The findings from data that relate to the SRI objectives are discussed in Section 7. The findings relevant to the IRM design will be reported to the NYSDEC in a separate deliverable in the future.

4.4 Monitoring Well Installation

Since 1993, 38 monitoring wells and piezometers have been installed to investigate groundwater beneath the Court Street Site. These wells have served as the primary tool to assess groundwater quality, to characterize groundwater flow and, to a lesser degree, judge the nature and mobility of NAPL.

All wells and piezometers were installed in borings drilled as described in Subsection 4.2 above. This section outlines the techniques and rationale behind the well-construction tasks of each phase of work. The details of the well installation methods used are outlined in the various work plans, in particular the SRI Work Plan, and the Phase II Work Plan.

With some minor deviations, described in the subsections below, well and piezometer installations have followed a consistent methodology:

- Borings were drilled to their target depths following the practices described in Subsection 4.2, generally with 4¼ -inch inner diameter hollow-stem augers.
- Wells completed for the Task II RI were constructed of 2-inch diameter stainless steel; for all later investigations, wells were constructed of schedule 40 PVC.
- 10-foot long, 0.010-inch slotted screens were generally used. For some deep monitoring wells installed to monitor just the very base of the sand and gravel unit, and for some shallow wells where unit thickness created vertical constraints, screens between 5 and 10 feet were installed.
- Appropriately sized silica sand packs were installed in the annular space around the screened interval and generally two feet above.
- Above the sand pack the well annulus was filled with two or more feet of bentonite to provide a seal, and then a cement/bentonite grout, tremied to near grade.
- Wells were completed with locked protective steel guard pipes or with flush-mount curb-boxes, as appropriate.

- Following completion, each well was developed to remove fine sediment from the well and improve the hydraulic connection to the surrounding formation.
- Completed wells and piezometers were surveyed for position, surface and measuring point elevation. The elevations shown in this report are given relative to the 1929 NGVD. Surface coordinates are given relative to the 1983 NAD – State Plane New York Central (3102).

The subsections below outline the scope and intent of the work completed in each phase of the site investigations. Additional detail on the well-installation programs can be found in the following places:

- Well and piezometer locations are shown on Figure 2;
- Subsurface boring and well construction logs are included in Appendix A;
- Well construction details, including survey data, are summarized on Table 1;
- Monitoring well gauging, testing and sampling tasks are covered in Subsection 4.5 below.

Also, as mentioned above, several reference documents have been scanned and included in the Electronic Attachments CD, including the Task II RI Report and selected work plans.

4.4.1 Task II RI

The Task II RI was the first site investigation to attempt to characterize groundwater quality and flow patterns. The adjacent table lists the wells installed: five deep monitoring wells, four shallow monitoring wells, and a single shallow piezometer (all shown on Figure 2).

The design and locations of the wells were selected to meet two general objectives for the two depths of interest (at or near the water table, and at the base of the sand and gravel):

- Characterize the quality of groundwater entering and exiting the site; and
- Generate potentiometric elevation data in order to determine groundwater flow patterns.

Table 4.7 Task II RI Monitoring Wells

	Depth to Screened interval (ft. bgs)		Water Table Well	Unit Screened	Location
	Top	Bottom			
MW93-1S (ab)	10.3	20.3	ü	fill/upper S&G	Southern property boundary
MW93-1D	40.9	50.9		lower S&G	
MW93-2D	43.6	53.6		lower S&G	
MW93-2S	4.2	14.2	ü	silt	
MW93-3D	37.0	46.6		lower S&G	
MW93-3S	12.0	22.0		silt/S&G	Northern property boundary
MW93-5D	46.5	56.4		lower S&G	
MW93-6D	49.8	59.8		lower S&G	
MW93-6S	13.0	23.0		silt/S&G	
PZ93-01	3.5	8.5	ü	coarse fill	

Note: S&G = sand and gravel unit; (ab) = well abandoned.

The monitoring wells were installed as specified in the RI Work Plan (BBL, 1993), including the use of stainless steel well screens. The shallow monitoring well MW93-1 was decommissioned shortly after installation, after DNAPL entered the well. A proposed upgradient well pair (what would have been MW93-4) was not installed due to access limitations.

Later interpretation of the site hydrogeology would show that MW93-3S and MW93-6S were not properly screened to provide water-table elevation data, though they were installed for that purpose. Both wells extend from the upper silt and clay unit into the sand and gravel unit, and therefore show head elevations more reflective of the sand and gravel (which is vastly more conductive).

Additional details may be found in the locations noted in Subsection 4.4 above. These activities and findings were all previously reported in the Task II RI Report (BBL, 1996), which is included on the Electronic Attachments CD.

4.4.2 Phase I SRI

During the Phase I SRI, 16 new monitoring wells were installed: three deep and eight shallow conventional monitoring wells, and two deep and three shallow upgradient temporary monitoring wells. The adjacent table lists the wells installed.

The well locations (shown on Figure 2) and their various constructions were selected to meet a variety of objectives:

- To further the hydrogeologic characterization of the site;
- To assess groundwater quality upgradient and cross-gradient of the site; and
- To assess shallow groundwater quality downgradient of the site.

Table 4.8 Phase I SRI Monitoring Wells

Well ID	Depth to Screened interval (ft. bgs)		Water Table Well	Unit Screened	Location
	Top	Bottom			
MW97-7S	16.0	26.0	ü	upper S&G	Downgradient
MW97-8S	12.0	22.0	ü	silt	Court St./66-in. Sewer
MW97-9D	33.8	43.8		lower S&G	West of site, near Brandywine Ave.
MW97-9S	13.0	23.0	ü	upper S&G	
MW97-10D	40.0	50.0		lower S&G	East-center of site
MW97-10S	4.0	12.0	ü	silty fill	
MW97-11S	7.6	17.6	ü	silty fill	Downgradient within Court Street
MW97-12S	7.3	17.3	ü	silty fill	
MW97-13S (ab)	5.0	10.0		coarse fill	Tar-separating well
MW97-14D	34.9	39.9		lower S&G	East of site, behind BMH warehouse
MW97-14S	9.9	19.9	ü	upper S&G	
TW97-1D	56.4	61.4		lower S&G	Upgradient within Norfolk Southern Railroad
TW97-1S	17.0	27.0	ü	silt	
TW97-2D	64.0	69.0		lower S&G	
TW97-2S	14.4	24.4	ü	coarse fill/silt	
TW97-3S	14.0	24.0	ü	upper S&G	

Note: S&G = sand and gravel unit; (ab) = well abandoned.

The wells were installed as described in the SRI Work Plan, with the following exceptions:

- Well casings and screens were composed of Schedule 40 PVC. BBL notified the NYSDEC of this modification in a letter dated September 12, 1997.
- Drilling followed the special procedures of the DNAPL Contingency Plan (an attachment to the above referenced letter) which provided for the installation of DNAPL collection wells where potentially mobile NAPL was observed.
- A shallow temporary monitoring well was not installed west of the site, at 267 Court Street, as planned. During a site reconnaissance, an existing shallow monitoring well (B-1) was discovered in this area. BBL obtained and reviewed the boring log for this well and deemed it a suitable substitute for the proposed shallow temporary well. The boring log for this well is included in Appendix A.
- Monitoring well pair MW97-14S and MW97-14D were proposed for the Offsite Investigations, discussed below in Section 4.4.3. For efficiency, the well pair was installed ahead of schedule during the Phase I SRI.

Field testing of recovered soil samples identified the potential for mobile DNAPL at two of the drilling locations proposed for shallow monitoring wells: MW97-8S and MW97-13S. As prescribed by the DNAPL Contingency Plan, both wells were completed as DNAPL-collection wells. This construction was identical to conventional monitoring wells, except that a 2-foot long sump was affixed below the screen, with a sloping collar attached at the screen bottom to direct downward-migrating DNAPL through the screen and into the sump. The annular space below the collar was sealed with bentonite.

Monitoring well MW97-13S was decommissioned as part of a source removal IRM (see Section 6). The excavation revealed that MW97-13S had been installed within and through the brick foundation of the former tar-separating well (see Figure 3). This revelation helps explain why DNAPL accumulated in this well. The details of this IRM are reported in the draft Final Engineering Report (NYSEG, 2002).

The temporary monitoring wells were installed no differently than the permanent wells, following the procedures noted above. Additional details may be found in the locations noted in Subsection 4.4 above.

4.4.3 Offsite Investigations

Three new monitoring wells were installed for the Offsite Investigations, all on the 295 Court Street property. The well locations (shown on Figure 2) were chosen to accomplish two tasks:

Table 4.9 Offsite Investigations Monitoring Wells

Well ID	Depth to Screened interval (ft. bgs)		Water Table Well	Unit Screened	Location
	Top	Bottom			
MW98-15S	5.0	15.0	ü	silt	East of purifiers
MW98-16D	38.5	43.5		lower S&G	Near Ranney Well
MW98-16S	7.0	17.0	ü	fill/upper S&G	

Note: S&G = sand and gravel unit.

- Assess groundwater quality immediately east of the former MGP (MW-15S).
- Determine if site-related constituents are present in groundwater adjacent to the former Ranney Well (the MW98-16 well pair).

The Offsite Work Plan (BBL, 1997) also included an additional well pair (MW97-14) to assess groundwater quality east of the former MGP. As discussed in Subsection 4.3.2, that well pair was completed ahead of schedule during the Phase I SRI.

Wells were constructed as specified in the Offsite and SRI Work Plans. At MW98-15S, the borehole penetrated the top of the sand and gravel unit, encountering a significant quantity of NAPL. The design objective of the well was to gauge the water table elevation and groundwater quality in the silt hydrostratigraphic unit. Therefore, the bottom of the borehole was filled with bentonite chips to seal off the sand and gravel unit below the well screen.

The borehole of MW98-16D was advanced west and slightly north of the Ranney Well. The Offsite Work Plan called for screen placement near the top of the till, or over a noticeably affected portion of the sand and gravel unit. Since no affected areas were identified, a five-foot long PVC screen was installed just above the top of the till. MW98-16S was installed to screen across the water table.

Additional details may be found in the locations noted in Subsection 4.4 above.

4.4.4 Phase II SRI

The Phase II SRI included four new monitoring wells and one new piezometer, listed in the adjacent table. The locations of the monitoring wells were chosen to better delineate the extent of site-related constituents vertically and to the west of the site. The piezometer was installed to gauge the nature and mobility of NAPL observed in

the flood wall soil boring SB-107. The wells were drilled and installed following the Phase II Work Plan.

Table 4.10 Phase II SRI Monitoring Wells

Well ID	Depth to Screened interval (ft. bgs)		Water Table Well	Unit Screened	Location
	Top	Bottom			
MW01-03R	98.0	108.0		bedrock	South property line
MW01-07R	99.0	109.0		bedrock	Downgradient
MW01-17D	54.2	59.2		lower S&G	Offsite west
MW01-17S	27.0	37.0	ü	upper S&G	
PZ01-02	9.0	19.0	ü	silt/S&G	Court St. floodwall

Note: S&G = sand and gravel unit.

The MW01-17 monitoring well pair was installed near the corner of Henry Street and Brandywine Avenue, at the NYSEG service center at 267 Court Street. Because no hydraulic or groundwater quality monitoring points existed in that area, the extent of site impacts to the west was still considered

unbounded. The shallow well (MW01-17S) was installed with a 10-foot screen straddling the water table. The deep well (MW01-17D) was installed with a 5-foot screen set above the top of the till.

The NYSDEC requested that bedrock monitoring wells be installed downgradient of the former MGP, to confirm that site impacts had not penetrated the till to the bedrock. BBL selected the two locations shown on Figure 2 (MW01-3R and MW01-7R) for several reasons:

- Because the extent of NAPL in overburden at each location had already been assessed in completed borings, and found to be minor or non-existent (therefore posing a lesser risk of NAPL mobilization and downward migration);
- To fall near an existing sand and gravel overburden well, allowing an assessment of vertical gradient; and
- To avoid disruption of traffic in the Court Street, given the time required to drill each well.

The completed wells have been used to assess groundwater quality in bedrock, gauge the vertical gradient between the rock and the overburden, and characterize the hydraulic properties of the rock.

The piezometer PZ01-02 was installed as an adjunct to the flood-wall soil boring program, discussed in Subsection 4.2 above. The Phase II Work Plan included provisions that if the potentially mobile NAPL were observed, DNAPL piezometers may be installed. PZ01-02 was installed to gauge the nature and mobility of NAPL observed in the flood-wall soil boring SB-107. It was constructed of 2-inch diameter PVC, with a 10-foot screen, and a 2-foot sump grouted in place. Additional details may be found in the locations noted in Subsection 4.4 above.

4.4.5 IRMs

BBL installed four new temporary piezometers as part of the 66-inch storm sewer IRM. The piezometers (listed in the adjacent table) are spaced along the length of the sewer as it crosses the site from north to south. The piezometers provide gauging points to assess groundwater and NAPL migration along the sewer.

Table 4.11 IRM Piezometers

Well ID	Depth to Screened interval (ft. bgs)		Water Table Well	Unit Screened	Location
	Top	Bottom			
PZ01-03	6	16	ü	fill	Adjacent to the 66-inch storm sewer
PZ01-04	6	14.6	ü	fill	
PZ01-05	4.5	14.5	ü	fill	
PZ01-06	8	18	ü	fill	

Each piezometer was constructed to screen the water table, following the procedures of the Phase II Work Plan, with the following exceptions:

-
- Due to their temporary nature, and the vertical space constraints (i.e., the likelihood that the borings would penetrate to the sand and gravel unit) the piezometers were not installed with sumps.
 - Piezometers PZ01-03, PZ01-05 and PZ01-06 were constructed with 0.020-inch slotted screens to improve the hydraulic connection to the fill (PZ01-04 screened across a silty fill unit, so a standard 0.010-inch slotted screen was used).

Further detail on the scope and status of the IRMs is provided in Section 6 of this report. The well construction logs are provided in Appendix A.

4.5 Groundwater Monitoring and Sampling

Starting with the Task II RI, each phase of the site investigation has included work to better characterize the quality and flow patterns of groundwater at and near the site. The field work discussed in this section falls into three general categories:

- Gauging water levels in wells, piezometers and at staff gauges;
- Performing hydraulic-conductivity tests; and
- Collecting groundwater and NAPL samples for laboratory analysis.

The data provided by these tasks form the basis for much of the discussion of the nature and extent of site impacts, discussed in Section 7. BBL also completed two computerized groundwater flow models based on these data and the geologic characterization developed through the soil boring program. The model findings are presented in Section 7, with additional detail on methods provided in Appendix B.

The subsections below outline the scope and intent of the work completed in each phase of the site investigations. Additional detail on the groundwater monitoring and sampling programs can be found in the following places:

- Well and piezometer and staff gauge locations are shown on Figure 2;
- Subsurface boring and well construction logs are included in Appendix A;
- Hydraulic conductivity test results are summarized on Table 1, and included on the Electronic Attachments CD;
- Well construction details, including survey data, are summarized on Table 1;

- The most recent and complete water-level data are summarized on Table 2;
- Select water-level data are plotted on two potentiometric surface maps, Figures 11 and 12;
- Sample analyses and laboratory methods are summarized on Table 3;
- The laboratory analytical data for groundwater are summarized on Table 4, with key data presented on Figure 13;
- The laboratory analytical data for NAPL samples submitted are included on Table 6; and
- Chains-of-custody and groundwater sampling logs are included on the Electronic Attachments CD.

Also, as mentioned above, several reference documents have been scanned and included on the Electronic Attachments CD, including the Task II RI Report and selected work plans.

4.5.1 Task II RI

Hydraulic Conductivity Testing

During the Task II RI, BBL completed in-situ hydraulic conductivity tests at eight monitoring wells installed for that investigation (see adjacent table) to estimate the hydraulic conductivity of the geologic materials near the screened intervals of the wells. MW93-1S had been decommissioned, and therefore was not tested. The tests were performed as rising-head slug tests, using a pressure transducer to log water-level changes. The data were plotted and analyzed according to the methods of Bouwer and Rice (1976) and Bouwer (1989). Additional details and test results may be found in the locations noted in Subsection 4.5 above.

**Table 4.12 Task II RI
Monitoring Well Testing**

	Slug Test Performed	Sampled 7/20/93	Sampled 10/20/93	Sampled 1/24/94	Sampled 4/26/94
MW93-1D	ü	ü	ü	ü	ü
MW93-2D	ü	ü	ü	ü	ü
MW93-2S	ü	ü	ü	ü	ü
MW93-3D	ü	ü	ü	ü	ü
MW93-3S	ü	ü	ü	ü	ü
MW93-5D	ü	ü	ü	ü	ü
MW93-6D	ü	ü	ü	ü	ü
MW93-6S	ü	ü	ü	ü	ü

Sampling and Gauging Rounds

Eight wells listed in the adjacent table were sampled quarterly over a period of one year, on the dates shown. The sampling techniques, (generally, to purge three well volumes while monitoring indicator parameters for stability) were outlined in the RI Work Plan. The groundwater samples from each round were submitted to Galson Laboratories of East Syracuse for analysis of VOCs with tentatively identified compounds (TICs), SVOCs (with TICs), metals, total and amenable cyanide, and polychlorinated biphenyls (PCBs). Groundwater

samples were not analyzed for PCBs after the first round, in which none were detected. Sample analyses followed the NYSDEC ASP-12/91 analytical protocol, and included QA/QC samples at a frequency indicated in the RI Work Plan's QAPP.

In conjunction with each sampling round, BBL measured water-levels at PZ93-01, at the river staff gauges and in each of the monitoring wells. The two river staff gauges installed for the Task II RI were located on the south side of the Susquehanna River, near the Tompkins Street Bridge. Those gauges could not be located in subsequent investigations. The gauging points SG-1 and SG-2 (shown on Figure 2) were established later for the Phase I and Phase II investigations, respectively. Additional details and results may be found in the locations noted above in Subsection 4.4. These activities and findings were all previously reported in the Task II RI Report (BBL, 1996), which is included on the Electronic Attachments CD.

4.5.2 Phase I SRI

Hydraulic Conductivity Testing

In-situ hydraulic conductivity ("slug") tests were performed at each of the monitoring wells installed for the Phase I SRI, except MW97-14S and MW97-14D (which were installed in anticipation of the Offsite Investigations, and were therefore outside the scope of the Phase I SRI). The procedures used to conduct the tests are contained in the SRI Work Plan. Collected data were reduced according to the methods of Bouwer and Rice (1976) and Bouwer (1989). Additional details and results may be found in the locations noted above in Subsection 4.5.

Water-Level Measurements

BBL conducted comprehensive water-level rounds on December 23, 1997, and February 11, 1998. Both rounds included all new and existing site monitoring wells. River stage data were also obtained during the measurement rounds; however, the staff gauges that were installed during the Task II RI could not be located and were presumed to be destroyed. Stage data were obtained at a replacement staff gauge, SG-1, which was installed by BBL surveyors in the location shown on Figure 2.

Additional water-level data were collected from the following locations:

- Monitoring well B-1, located west of the site, at 267 Court Street (Figure 2). This monitoring well was installed as part of an unrelated subsurface investigation.
- Two monitoring wells located near the Ranney Well, identified as City Wells 1 and 2 on Figure 2 (second round only). Verbal permission to access these wells was obtained from the NYSDEC (Suoizzo, Personal Communication with M.W. Erbe, 1998).

-
- A shallow and deep well pair (DGC-6S and DGC-6D) at the Almy Brothers Site, which is located southwest of the site, and across the Susquehanna River (Figure 1) (second round only). Verbal permission to access these wells was obtained from the NYSDEC (Cruden, Personal Communication with M.W. Erbe, 1998).

Groundwater Sampling

To further characterize the quality of groundwater entering, exiting, and directly beneath the site, BBL collected one round of groundwater samples from every new and existing monitoring well at the site, following the sampling procedures described in the SRI Work Plan. An additional sample was collected from existing monitoring well B-1 located crossgradient of the site at 267 Court Street. BBL's field staff collected the groundwater samples between December 17 and December 22, 1997, following the techniques outlined in the SRI Work Plan (generally, to purge three well volumes while monitoring indicator parameters for stability). Each sample collected was analyzed for TCL VOCs, TCL SVOCs, TAL inorganics (filtered and unfiltered), and total cyanide (with amenable cyanide if total cyanide was detected). Sample analyses followed the NYSDEC ASP-95 analytical protocol, and included QA/QC samples at a frequency indicated in the SRI Work Plan's QAPP. RCRA Labnet, Inc., located in Amherst, New York analyzed the samples.

Additional details and results may be found in the locations noted above in Subsection 4.5.

DNAPL Sampling

After installation, a measurable thickness of DNAPL accumulated in monitoring well MW97-13. As part of the Phase I SRI, and subsequent groundwater monitoring tasks, the DNAPL in the well was removed by bailing and contained in the drum staging area of the site. One sample of the DNAPL was submitted for analysis of TCL VOCs, TCL SVOCs, TAL inorganics, total and amenable cyanide, and the following physical characteristics: density, viscosity, interfacial tension by ASTM Methods D-1481, D-445, and D-971 (or equivalent), and wettability by soil imbibition.

Investigate Potential Upgradient Groundwater Contaminant Sources

Sampling of the upgradient monitoring wells (the TW-series wells) and cross-gradient wells (MW97-14S, MW97-14D, and B-1) was conducted in part to investigate potential upgradient groundwater contaminant sources. The Task II RI provided indirect evidence that groundwater entering the site had been contaminated by chlorinated aliphatic hydrocarbons, and identified several potential upgradient sources.

As an additional step in this investigation, BBL conducted a background review and literature search. This task consisted of the following:

-
- Obtaining and reviewing state and federal listings of RCRA hazardous waste generators (GNRTR), National Priority List (NPL), State Equivalent Priority List (SPL), sites under review by USEPA, leaking underground storage tank (LUST) sites, and solid waste landfill sites (SWLFs) hydraulically upgradient and crossgradient of the site. The search of these databases was performed by VISTA Environmental Information, Inc. (VISTA). Results of the VISTA search are contained on Electronic Attachments CD.
 - Obtaining and reviewing Sanborn Fire Insurance Maps of the area upgradient of the site.
 - Obtaining and reviewing aerial photographs from flights conducted during 1937, 1948, 1958, and 1967.
 - Obtaining and reviewing information on specific potential source sites through Freedom of Information Act (FOIA) requests made to NYSDEC and the city of Binghamton.
 - Performing a visual reconnaissance of the area.

The findings of these investigations are discussed in Subsection 7.4.1.

4.5.3 Offsite Investigations

The groundwater element of the Offsite Investigations consisted primarily of assessing water quality. On June 5, 1998, each of the three newly installed monitoring wells (MW98-15S, MW98-16S and MW98-16D) was sampled following the procedures outlined in the Offsite and SRI Work Plans. Each sample was submitted to Galson Laboratories to be analyzed for TCL VOCs and SVOCs, total and amenable cyanide, and for filtered and unfiltered TAL inorganics. The sample package included the full suite of QA/QC samples specified in the SRI Work Plan's QAPP.

No hydraulic conductivity tests were planned, nor performed on the new offsite monitoring well locations. Water-level measurements were collected from the new well as part of sampling. The next comprehensive round of water-levels, incorporating the onsite and offsite monitoring wells, was performed later, during the Phase II RFI (discussed below).

4.5.4 Phase II SRI

Groundwater Sampling

The Phase II SRI included a limited program of groundwater sampling, to meet several specific objectives:

-
- To assess groundwater quality west of the site near the corner of Henry Street and Brandywine Avenue (MW01-17S and MW01-17D);
 - To assess groundwater quality in bedrock (MW01-03R and MW01-07R); and
 - To confirm the Phase I SRI sampling results of upgradient monitoring wells TW97-2S and TW97-3S.

Of the six wells scheduled for sampling, all but TW97-2S were sampled on October 1 and 2, 2001. TW97-2S (a flush-mounted well) could not be found, despite an extensive search, due to apparent regrading within the Norfolk Southern rail yard.

BBL's field staff collected the groundwater samples by a low-flow procedure outlined in the Phase II Work Plan. Samples were analyzed for BTEX, PAHs, and total cyanide. To further assess the quality of bedrock groundwater, (and its potential usability as a drinking water source), samples from MW01-03R and MW01-07R were also submitted for analysis of chloride. With the exception of the chloride analyses, which were intended to provide screening-level data only, sample analyses followed the NYSDEC ASP-2000 analytical protocol, and included QA/QC samples at a frequency indicated in the Phase II Work Plan's QAPP. Additional details and results may be found in the locations noted above in Subsection 4.5.

Hydraulic Conductivity Testing

The Phase II Work Plan included provisions for hydraulic conductivity tests at each of the newly installed monitoring wells. The work plan outlined steps for specific capacity tests to be incorporated as part of the low-flow sampling protocol; however, due to field conditions, and to remain consistent with prior testing, the field staff performed rising head slug tests instead. These tests were performed following the procedures outlined in the SRI Work Plan.

Water-Level/NAPL-Level Measurement Round

In conjunction with groundwater sampling, BBL completed a site-wide water-level measurement round. As part of this activity, each well was checked for the presence of NAPL. All new and existing monitoring wells and piezometers were included in the round, with the exception of the TW97-02, which could not be found. Well B-1, was also not gauged due to equipment staged over the well head. Additional details and results may be found in the locations noted above in Subsection 4.5.

4.6 Utilities and Historical Structures Investigations

The site and the surrounding area are underlain by a multitude of buried utilities, foundations, walls and other man-made structures. Of these structures, some are in use, some are not, some are related to the former MGP

operations, and others serve (or served) functions unrelated to MGP operations. Such structures have the potential to affect the movement of groundwater and NAPL by forming reservoirs, obstructing flow, or creating preferential pathways. The site investigations included studies of subsurface structures to assess their effect on the migration of groundwater and NAPL.

The subsections below describe the work completed to assess subsurface structures. Additional details can be found in the following places:

- The approximate locations of key subsurface structures are shown on Figure 2.
- The findings of these studies are discussed in Section 7.

4.6.1 Task II RI

As part of a document review completed for the Task II RI, BBL searched for records identifying present and former subsurface structures that may influence the flow of groundwater and NAPL. BBL reviewed NYSEG's project files and information from other local and public sources such as the city of Binghamton and local utility companies. The findings of this file review preliminarily identified most of the man-made subsurface structures identified on Figure 2.

These findings, presented in the Task II RI, provided the basis for more the detailed investigations to follow in the Phase I and Phase II SRI.

4.6.2 Phase I SRI

Five of the man-made subsurface structures identified in the Task II RI were investigated during the Phase I SRI:

- The 66-inch diameter storm sewer that crosses the site from north to south;
- The former Brandywine Creek/Brandywine Canal;
- The former combined storm sewer and sanitary sewer lines that converge and extend beneath the flood wall south of the monitoring well MW93-2 cluster;
- The Court Street flood wall; and
- Municipal water lines running beneath and parallel to Court Street.

The approximate locations of these structures are shown on Figure 2. The work performed to characterize these potential preferential pathways is described in the following subsections.

66-Inch-Diameter Storm Sewer

The 66-inch-diameter storm sewer was characterized by:

- Evaluating subsurface, water-level, and water-quality data collected at test boring/monitoring well location TB-13/MW97-8S, which is located near the downgradient/down slope end of the sewer (Figure 2);
- Conducting a manned inspection of the storm sewer; and
- Collecting grab samples of surface water and sediment from three locations in the storm sewer.

BBL conducted the sewer inspection on October 13, 1997. Prior to the inspection, on-site sewer manholes (MH-1 and MH-2 – see Figure 2) were opened and the sewer allowed to vent. Air quality in the sewer was monitored continuously using an HMX 271 combination meter that monitored percent oxygen, percent of the lower explosive limit (LEL), carbon monoxide (CO) levels, and hydrogen sulfide (H₂S) levels. Oxygen concentrations remained steady throughout the inspection at 20.9 percent. Readings of LEL, CO, and H₂S were consistently zero.

The inspection was begun at manhole MH-1 at the south edge of the site, and continued upstream until a box culvert was reached, about 50 feet upstream of manhole MH-2. At this point too much water was flowing into the box culvert to permit further inspection. Observations made during the inspection are provided in the Storm Sewer Inspection Report (Appendix C) and are discussed in Section 7.

Surface-water and sediment samples were collected from manholes MH-1, MH-2, and the box culvert located upstream from the site (identified as MH-3 on Figure 2). Samples were analyzed for TCL VOCs, TCL SVOCs, and TAL inorganics, including cyanide. Results are summarized on Tables 7 and 16.

Former Brandywine Creek/Brandywine Canal

The file review conducted during the Task II RI identified two former drainage features crossing the western portion of the site. A City of Binghamton map (1876) shows the location of the Brandywine Canal of the former Utica-Binghamton Canal. The Brandywine Canal was constructed to connect with the Pennsylvania-Susquehanna Canal, but was never used (ES, 1992). The approximate location of the Brandywine Canal is shown on Figure 2. The second drainage feature shown near the site is Brandywine Creek. The creek appears on a Sanborn Fire Insurance Map dated 1885, and is located in the same general area as the former canal.

The area of the site crossed by the former canal and Brandywine Creek is coincident with the current 66-inch storm sewer, and has been rigorously investigated with soil borings, monitoring wells and test pits. BBL evaluated these data for the discussion of the potential influence of groundwater and NAPL migration played by former canal and creek bed (see Section 7).

Former Combined Storm/Sanitary Sewer

Historical data collected during this Phase I SRI identified one or possibly two sewers that cross under (or through) the flood wall south of the MW93-2 well cluster (Figure 2). As-built drawings for the flood wall (USACOE, 1948) show a 36-inch-diameter sewer passing beneath the flood wall and into a manhole/control structure, as shown on Figure 2. The second sewer appears on a storm-drainage map provided by the City of Binghamton (Shumaker, ca. 1974) and is identified as a “combined storm/sanitary facility”.

The location of monitoring well MW97-11S was chosen in part to characterize these potential preferential pathways. The intended location, immediately behind the flood wall where the sewers cross the flood wall, was changed due to access restrictions. The New York State Department of Transportation (NYSDOT) required that the well be located approximately 30 feet north of the proposed location due to traffic and safety-related concerns. This location put the well approximately 5 feet from the 36-inch-diameter sewer. The installation of MW97-11S is discussed in Subsection 4.4.2.

Flood Wall

The Court Street flood wall (shown on Figure 2) extends up the north bank of the Susquehanna River from east of the 295 Court Street Property, below the southern boundary of the site, terminating at the 66-inch sewer. The presence and construction of the flood wall is considered to have a significant effect on the migration groundwater and NAPL. During the Phase I SRI, BBL completed several tasks to characterize the effects of the flood wall:

- Obtaining and reviewing as-built drawings for the flood wall;
- Evaluating the two rounds of water-level data collected during the Phase I SRI;
- Evaluating the geologic and groundwater-quality data obtained from monitoring wells located behind the flood wall (MW97-11S and MW97-12S); and
- Simulating the effect of the flood wall using a cross-sectional groundwater flow model.

The findings of these tasks are discussed in Section 7. The details of the groundwater flow model are included in Appendix B.

Municipal Water Lines Beneath Court Street

BBL characterized the municipal water lines beneath Court Street by:

- Obtaining information about the location, size, and depth of the lines from city of Binghamton Department of Engineering personnel; and
- Evaluating the information in relation to the hydrogeologic information obtained during the Phase I SRI and previous investigations conducted at the site.

4.6.3 Phase II SRI

BBL further investigated several subsurface structures during the Phase II SRI. The following identifies these structures and the work performed to investigate them:

- The 24-inch outfall, as well as two other pipes, identified as “BB” (10-inch diameter cast iron) and “E” (18” diameter cast iron) that pass through the flood wall in the vicinity. The locations of these pipes were traced using geophysical methods (described in detail below). BBL also attempted to video-inspect the 24-inch outfall.
- The concrete wall that follows the site’s western boundary. The construction of this wall, which extends below grade, was evaluated by excavating two test pits (TP-209 and TP-210).
- The Court Street flood wall. The effects of the flood wall on groundwater and NAPL migration were further evaluated with five new soil borings and a new piezometer located in Court Street just behind the flood wall.
- The pump house sump. A sample of sediment accumulated in the sump of the City of Binghamton’s pump house was collected and analyzed for BTEX, PAHs, and cyanide. The 66-inch storm sewer empties into and then discharges from this sump (see Figure 7). Analytical results for this sample are contained in Table 16.

The boring, piezometer and test pit tasks are described in more detail above in prior portions of Section 4. The findings of these tasks are discussed in Section 7.

BBL investigated the pipes passing through the flood wall near the 24-inch outfall using the following geophysical and pipe-locating equipment:

- Subsurface Interfacing Radar (SIR) System-2000 (referred-to hereafter as ground-penetrating radar [GPR]) with a 500 megahertz antenna;
- Radio Detection RD 400 Digital Pipe and Cable Locator (referred to hereafter as radio-frequency detection [RFD]); and
- Geonics EM-31 Frequency-Domain Electromagnetic Conductivity (EM) Meter.

BBL's geophysicist calibrated (when necessary) and operated the geophysical equipment following the manufacturer's instructions.

To trace the pipes, BBL used the GPR and RFD instruments to locate the pipes on the street side of the flood wall, and then used the RFD and EM instruments to trace the pipe routes north from the flood wall as far as possible.

During the tracing work, BBL identified and located several additional pipe outfalls along the river side of the flood wall. The adjacent table summarizes pertinent information about these pipes. Due to their distance upriver from the area of interest, and lack of apparent sediment impacts identified during sediment probing, BBL did not investigate these pipes further.

The results of the geophysical investigation are described in Subsection 7.1.4.8.

To further investigate the 24-inch outfall, BBL subcontracted with Royal Environmental Services of Syracuse, N.Y to video-inspect the pipe. Royal performed the video logging on November 29, 2001 using a remote sewer inspection camera.

The end of the outfall contained sediment, which was removed prior to the video inspection. The remote camera was then lowered over a retaining wall on Court Street to the river and inserted into the pipe. Approximately six feet to the North, the pipe was found to make a 45-degree turn toward the east. The camera was able to maneuver beyond the turn but not beyond a deposit of sediment was located roughly 15 feet into the pipe. Royal then used a smaller push camera but was unable to advance it any further than the larger camera.

Table 4.13
Other Pipe Outfalls Located

Distance Upriver (ft.) ¹	Diameter (in.)	Material	Identified on Floodwall Drawings	Pipe I.D. ²
130	12	Cast Iron	ü	Pipe "G"
156	6	Cast Iron	ü	Pipe "I"
271	12	Cast Iron	ü	Pipe "L"
354	12 - 18	Cast Iron		NA

¹ Measured from the 24-inch outfall.

² Refers to nomenclature used on the flood wall drawings (see Electronic Attachments CD).

4.6.4 Interim Remedial Measures

The IRM completed by NYSEG and reported in the Draft IRM Final Engineering Report (NYSEG, 2002) consisted of an extensive program of test-pits and test trenches, with excavation of materials considered potential reservoirs of DNAPL. NYSEG's work is discussed in more detail in Section 6. The IRMs provided additional data on several man-made subsurface structures:

- The size and contents (now excavated) of the foundations for the former No. 3 gas holder and tar-separating well;
- The location of the foundation of the former No. 1 gas holder; and
- An extensive web of inactive buried pipes and buried slabs throughout the former MGP.

BBL is in the process of completing a second IRM, designed to address NAPL migration along the 66-inch storm sewer. This work is addressed in more detail in Section 6. The work completed so far has provided data on several man-made structures including, and adjacent to, the 66-inch storm sewer:

- The construction of the 66-inch storm sewer itself was investigated with five new test pits (TP-204, TP-205, TP-206, TP-207 and TP-208) at various locations along the length of the sewer as it crosses the site from north to south. Four new piezometers (PZ01-03, PZ01-04, PZ01-05 and PZ01-06) were installed to investigate the hydraulic effects of the sewer. These investigation locations are shown on Figure 3.
- The foundation of the No. 4 gas holder was evaluated in two of the test pits addressing the 66-inch storm sewer, TP-206 and TP-208.
- A buried concrete wall (potentially a relict portion of a retaining wall forming the east side of a containment area for the former oil tanks labeled 5 through 7, on Figure 2), was evaluated in three test pits, TP-201, TP-202, and TP-203.

4.7 Surface Soil Evaluation

The quality of surface soil was addressed in three phases of the site investigations. This work was conducted to assess the exposure risk posed by site-related constituents at grade, where direct contact with soils was possible, or where wind or water erosion could permit those constituents to migrate offsite. Table 4.14 summarizes the samples collected. Since the Prioritization Investigation, in 1991, the majority of the site has been covered with gravel or paved, so that the initial soil quality results are no longer valid for assessing exposure risk.

Additional details on the surface soil evaluation may be found at the following locations:

- Surface soil analytical results are summarized on Table 8;
- The locations of the surface soil samples are shown on Figure 3.

Also, as mentioned above, several reference documents have been scanned and included on the Electronic Attachments CD, including the Task II RI Report and selected work plans.

4.7.1 Prioritization Investigation

For the Prioritization Investigation, ES collected seven surface-soil samples (six from the site and one background sample from an off-site location). Each of the samples was analyzed VOCs, SVOCs, and inorganics including cyanide.

The Prioritization Investigation surface-soil samples were designated SS-1 through SS-7. As noted in the adjacent table, all samples but the background sample (SS-6) are in locations that have been covered with pavement or clean fill or excavated.

Table 4.14 Surface Soil Samples

ID	Phase of Work	Location	Current Status
SS-1	Prioritization	Northern Property Line	Covered by gravel
SS-2	Prioritization		
SS-3	Prioritization	Oil tanks	
SS-4	Prioritization	Gas Holder 3	Excavated
SS-5	Prioritization	Gas Holder 4	Paved-over
SS-6	Prioritization	West of Brandywine Ave.	Intact
SS-7	Prioritization	Oil tank 8	Covered by gravel
SF-01	Task II RI	Gas Holder 4	Paved-over
SF-02	Task II RI	Oil tank 8	Covered by gravel
SF-03	Task II RI	Oil tanks 1-3	
SF-04	Task II RI	Gas Holder 2	
SF-05	Task II RI	Near Gas Holder 1	intact
SS0-1	Phase I SRI	Lawn south of Gas Holder 1	intact
SS0-2	Phase I SRI		
SS0-3	Phase I SRI		
SB-123	Phase I SRI	Composite of SB-1, 2, 3	Covered by gravel or pavement
SB-456	Phase I SRI	Composite of SB-4, 5, 6	
SS-123	Phase I SRI	Composite of SS0-1, 2, 3	intact

4.7.2 Task II RI

For the Task II RI, BBL collected five surface-soil samples for analysis of VOCs, SVOCs, PCBs, metals, and total and amenable cyanide. Sample analyses followed the NYSDEC ASP-12/91 analytical protocol, and included QA/QC samples at a frequency indicated in the RI Work Plan's QAPP. As noted in the adjacent table, all of the surface-soil sample locations but SF-5 (in the lawn near the current gas control building) have been covered with gravel or pavement.

4.7.3 Phase I SRI

During the Phase I SRI, BBL collected four surface-soil samples in the only area of the site that was not paved or recently covered by clean fill. Three of the samples, SSO-1, SSO-2 and SSO-3 were collected on September 15, 1997, and one additional sample, also designated SSO-1, was collected on September 19, 1997. All of the samples were collected according to the procedure contained in the SRI Work Plan. The reason that there are two samples designated SSO-1 is that quality-control samples (matrix spike and matrix spike duplicate [MS/MSD]) were inadvertently not submitted with the samples collected on September 15; therefore, another sample, including the MS/MSD, was collected from the same location on September 18. The sampling interval comprised a two-inch thick interval located just below the sod. The four soil samples were analyzed for TCL VOCs, TCL SVOCs, TAL inorganics, total cyanide, and amenable cyanide if total cyanide was detected.

In addition to the grab samples, three composite surface-soil samples were collected and analyzed for polychlorinated biphenyls (PCBs) according to USEPA Method 8080. The first sample was a composite of selected intervals of samples obtained from soil borings SB-1, SB-2, and SB-3 (SB-123). The interval selected for compositing represented the uppermost 6 inches of the former land surface, prior to the recent addition of clean fill by NYSEG. The second sample was a composite of similar intervals from soil borings SB-4, SB-5, and SB-6 (SB-456). The third sample was a composite from the three surface-soil sampling locations described above (SSO-1 through SSO-3) and was designated SS-123.

All Phase I SRI surface-soil analyses followed the NYSDEC ASP-2000 analytical protocol, and included QA/QC samples at a frequency indicated in the Phase II Work Plan's QAPP. Additional details and results may be found in the locations noted above in Subsection 4.7.

5. Susquehanna River Evaluation Activities

5.1 Overview

This section discusses the various field tasks completed to evaluate the Susquehanna River. The work completed in Phase I and Phase II of the SRI was outlined in the following NYSDEC approved work plans:

- *Work Plan for Conducting a Supplemental Remedial Investigation Feasibility Study at the Court Street Site, Binghamton, New York.* “SRI Work Plan” (BBL, 1997a); and
- *Work Plan Binghamton Court Street Site Phase II Supplemental Remedial Investigation.* “Phase II Work Plan” (BBL, 2001c).

This section provides a general overview of the field methods used, but does not reiterate the full detail of field procedures presented in the work plans. For a more detailed reference, the scanned copies of the work plans listed above can be found on the Electronic Attachments CD, included with this document.

Only the salient activities of the Prioritization Investigation and the Task II RI are covered in this section. Thorough discussions of the activities of these early investigations were presented in their respective reports:

- *Prioritization of Former Manufactured Gas Plant Site, Binghamton Court Street Site (NYSEG Code CG BS)* (ES, 1992); and
- *Task II Remedial Investigation Report. Former Manufactured Gas Plant Site. Court Street. Binghamton, New York* (BBL, 1996).

For ease of reference, the Task II RI Report has been scanned and can be found on the Electronic Attachments CD, included with this document.

5.2 Surface-Water Sampling

Surface-water quality was addressed in the Prioritization Investigation and the Task II RI. The findings of this work demonstrated that the site did not have an adverse impact on surface-water quality except when impacted

riverbed materials were disturbed⁴; therefore, later investigations (i.e., the Phase I and Phase II SRIs) focused on the quality of riverbed materials.

The subsections below describe the scope of the surface-water sampling events and related tasks completed. Additional information on these programs can be found in the following places:

- Detailed discussion of the work and findings of Prioritization Investigation and the Task II RI can be found in their respective reports. The Task II RI, which summarizes the findings of the Prioritization Investigation, is included on the Electronic Attachments CD.
- Sample details and laboratory analytical methods are summarized on Table 3.
- Analytical results are summarized on Table 14, and discussed later in Section 8.

5.2.1 Prioritization Investigation

For the Prioritization Investigation, ES collected four surface-water samples from the Susquehanna River:

- SW91-1, upstream of the site, at the sediment sample location identified SED-1 (see Figure 3);
- SW91-2, near the outfall of the 66-inch storm sewer at the sample location identified SED-2; and
- SW91-3 and SW91-4, downstream of the site, at the sample location identified SED-3.

The samples were analyzed for VOCs, SVOCs, metals, and total and amenable cyanide. Additional details and results may be found in the locations noted in Subsection 5.2.

5.2.2 Task II RI

During the Task II RI, BBL reexamined the quality of the Susquehanna River by collecting five new surface-water samples:

- SW93-1, approximately 400 feet downstream of the site's western boundary;
- SW93-2, adjacent to the site, near the Phase I SRI probing point P-2 (see Figure 3);
- SW93-3, near the 24-inch pipe outfall; and
- SW93-4 and SW93-5, approximately 135 and 420 feet upstream of the 24-inch pipe outfall.

⁴ When these materials were disturbed, they produce sheens, thus temporarily exceeding the water quality standard for oil and floating substances (6 NYCRR Part 703.2).

Each of these samples, collected June 17, 1993, was submitted for laboratory analysis of VOCs, SVOCs, metals and total cyanide. These sample locations were not surveyed or precisely measured; however, the approximate locations are shown on Figures 3 and 4 of the Task II RI Report (Attachment XIV of the Electronic Attachments CD). Additional details and results may be found in the locations noted in Subsection 5.2.

5.2.3 Phase I SRI

During the Phase I SRI, BBL interviewed City of Binghamton employees at the City's water filtration plant and obtained water-quality data for the filtration plant from the City to determine whether site-related constituents have been detected in water drawn from the Susquehanna River at the plant intake. The location of the intake is shown on Figure 2.

5.2.4 Phase II SRI

The riverbed borings of the Phase II SRI (identified SR-101 through SR-114) were drilled with a barge mounted rig using driven casing. To supply the water needed to drill by this method, the drilling subcontractors drew water directly from the river. Before proceeding with this technique, BBL confirmed that the river's water quality was not impacted by collecting a single sample and analyzing it for BTEX and PAHs. The sample was collected near the intake of the City of Binghamton's water filtration plant (see Figure 2). As this was a screening-level sample, no QA/QC samples were submitted, and the laboratory reported results only.

5.3 Temperature and Conductivity Survey

During the Phase I SRI, BBL conducted a temperature/conductivity survey of the Susquehanna River bottom to detect areas of preferential groundwater discharge to the river. The survey was completed by dragging a temperature/conductivity meter along the bottom of the Susquehanna River behind a boat, taking precautions to minimize disturbance of the river bottom, and recording readings at 10-foot intervals. The measurements were taken along three 1,000-foot-long transects aligned parallel to the north bank of the river. The first transect began upstream of the site, at the 24-inch outfall (Figure 2), 5 feet from the shoreline. The second and third transects also began at the outfall, and were spaced 25 and 50 feet from the shoreline, respectively. The collected data are contained on the Electronic Attachments CD.

Prior to starting the survey, the level of the groundwater was measured in monitoring wells MW97-11S and MW97-12S and compared to the river level to confirm that groundwater occurred at elevations above the river level, implying net groundwater flow into the river. Results of the survey are discussed in Section 8.

5.4 Surficial Riverbed Probing and Sampling

The Court Street site investigations included multiple episodes of riverbed probing and sampling in the Susquehanna River. These tasks were undertaken to characterize the nature and extent of site-related impacts to the riverbed materials. Probing tasks generally preceded sampling in order to more fully characterize the composition and extent of the probed riverbed material, generally assess the riverbed material for evidence of staining/sheens, and utilize this information to select sample locations.

The subsections below outline the scope and intent of the work completed in each phase of the site investigations. Additional detail on the riverbed probing and sampling programs can be found in the following places:

- Riverbed probing and sampling locations are shown on Figure 2;
- Sample analyses and laboratory methods are summarized on Table 3;
- The laboratory analytical data for riverbed materials are summarized on Table 9 with key data presented on Figure 15; and
- Chains-of-custody are included on the Electronic Attachments CD.

Also, as mentioned above, several reference documents have been scanned and included on the Electronic Attachments CD, including the Task II RI Report and selected work plans.

5.4.1 Prioritization Investigation

For the Prioritization Investigation, ES collected three riverbed samples from the Susquehanna River:

- Sed-1, upstream of the site, (see Figure 3);
- Sed-2, near the outfall of the 66-inch storm sewer; and
- Sed-3, downstream of the site, just west of the Tompkins Street Bridge.

Surface water samples SW-1, SW-2 and SW-3 were collected at these same locations (SW-4 was also collected near Sed-3). The samples were analyzed for VOCs, SVOCs, metals, and total and amenable cyanide. Additional details and results may be found in the locations noted in Subsection 5.4.

5.4.2 Task II RI

In June 1993, as part of the Task II RI, BBL conducted riverbed probing and sampling tasks in the Susquehanna River adjacent to the site. The scope of these activities is described below.

Probing

BBL completed three riverbed probing transects, amounting to 87 individual probing points. The three transects ran parallel to the river's north shore, immediately off the bank, 25 feet from the bank, and 50 feet from the bank.

The first transect began at the Tompkins Street Bridge and extended at 20 foot intervals upstream to the 24-inch outfall (see Figure 2). The probing points in the second and third transects were spaced approximately 20 and 50 feet apart, respectively, along parallel lines beginning approximately 250 feet downstream of the site (just beyond the Tompkins Street Bridge) and ending approximately 110 feet upstream of the site.

At each location, the field staff measured the water depth, then probed the riverbed by hand, driving a 5/8-inch metal rod to refusal, watching to see if any sheens were created. The depth of penetration was recorded as the sediment thickness. At each point, the field staff also drove a length of clear Lexan[®] tubing to retrieve a sample of the riverbed material for physical description.

The locations (identified P-1 through P-87) were not surveyed, and are not shown on the current figures due to more recent, overlapping data. Appendix A-4 of the Task II RI Report (provided on the Electronic Attachments CD) includes a more detailed discussion of the activities and findings of this task.

Riverbed Sampling

BBL collected fourteen riverbed samples at points chosen to cover the area of the river immediately upstream, adjacent to, and immediately downstream of the site, and to target areas that probing identified as potentially impacted. The sampling locations, identified SS-1 through SS-14, are shown on Figure 3. All 14 samples were collected from 0 to 1 foot or less of the riverbed materials, below water less than 1.5 feet deep.

Samples were collected by driving Lexan[®] core tubes. Each sample was submitted for laboratory analysis of VOCs, SVOCs, metals, cyanide, percent solids, and TOC. Sample analyses followed the NYSDEC ASP-12/91 analytical protocol, and included QA/QC samples at a frequency indicated in the RI Work Plan's QAPP. Additional details and results may be found in the locations noted above in Subsection 5.4. These activities and findings were all previously reported in the Task II RI Report (BBL, 1996), which is included on the Electronic Attachments CD.

5.4.3 Phase I SRI

During the Phase I SRI, BBL completed additional riverbed probing and sampling in the river adjacent to the site (see Figure 2). The scope of this work is summarized below.

Riverbed Sampling

BBL collected samples of the riverbed material in October 1997 at selected depths from the following areas:

- The area surrounding the 24-inch outfall located just upstream of the site (14 samples);
- The area near the abutment of the former Tompkins Street Bridge (31 samples);
- The 24-inch outfall pipe itself (one sample); and
- 100 and 200 feet downstream of former sediment sampling location SS-1 (BBL, 1996) (one sample at the 100-foot distance and two samples at the 200-foot distance).

Samples of the riverbed material were collected from two depth intervals at each location, 0 to 0.5 feet and 1 to 2 feet. During sampling, visual observations for the presence of an oil sheen on the water surface at each sampling location were made. When a sheen was noted, a third depth interval (2 to 3 feet) was also sampled.

Samples were collected using barge-mounted drill rig, steel casing, and 3-inch diameter split-spoon samplers. At each location, the sampler was driven to 2 feet below the river bottom. If a third sample was required, steel casing was driven to the base of the interval previously sampled, cleaned out, and then another split-spoon sampler driven to collect the third sample.

One objective of the sampling was to delineate areas of affected riverbed material. A location was deemed “affected” if an oil sheen was observed in the water during sampling. When affected material was identified at a given location, one additional sample was collected 50 feet out from the affected location. This process continued until the area of affected materials was delineated (i.e., until no sheens were observed).

Each riverbed-material core collected was observed, its location surveyed, and its PID reading recorded. Pertinent information (e.g., sediment depth, composition, water depth, visual observation) was recorded in a field log book.

Following collection, select samples were sent to the laboratory for analysis for TCL VOCs, TCL SVOCs, cyanide (total and amenable), and TPH. For locations where no oil sheen was observed, both discrete sample intervals collected (i.e., 0 to 0.5 feet and 1 to 2 feet) were analyzed. For locations where an oil sheen was

observed, the 0- to 0.5-foot interval was analyzed, and either the 1- to 2-foot or the 2- to 3-foot interval was also analyzed, whichever registered the greatest PID reading. Four of the surface samples (i.e., 0 to 0.5 feet) were analyzed for TOC and 20 percent of the samples collected underwent grain-size distribution analysis (GSDA). Analytical results are summarized on Tables 9 and 16. GSDA analytical results are included on the Electronic Attachments CD.

Six additional riverbed samples were collected by the NYSDEC in September, 1998. Four of the samples were collected adjacent to and immediately downstream of the 24-inch outfall. The other two samples were collected downstream of the Tompkins Street Bridge. Although the samples were not collected as part of the Phase I SRI, and the NYSDEC sampling procedures did not follow the Field Sampling Plan established for the site investigation (BBL, 1997a), analytical results for the NYSDEC riverbed samples are presented on the Electronic Attachments CD.

Probing

Riverbed probing was conducted along a single transect running between the 24-inch outfall and the former bridge abutment. The purpose of this exercise was to investigate whether affected riverbed materials existed between the areas specifically investigated through the Phase II riverbed sampling program, described above. The probing points (identified P-1 through P-10, and shown on Figure 2) fell in a line parallel to, and 10 feet out from, the riverbank. The probing interval along the transect was 25 feet.

5.4.4 Phase II SRI

The Susquehanna River evaluation program of the Phase II SRI, consisted of three tasks: riverbed probing, riverbed borings, and targeted sediment sampling. Each task is described in detail below.

Probing

At the start of the river evaluation, BBL conducted a riverbed probing survey adjacent to the site along the Court Street flood wall. As in prior probing exercises, this task was conducted to identify areas of sediment deposition and potential NAPL impacts, to identify locations to collect riverbed samples for laboratory analysis.

BBL completed the probing accompanied by Jeff Edwards of the NYSDEC, and a surveyor from Hawk Engineering. The probing points, shown on Figure 2, fell in three transects, each parallel to the north bank of the Susquehanna River and offset 2 feet, 10 feet and 20 feet from the bank. As shown on Figure 2, the probing transects began near the 66-inch storm sewer, extended upstream beyond the site and terminated near the location of the former Raney well.

At each location, the field staff measured the water depth, then probed the riverbed by hand, driving a metal rod to refusal, watching to see if any sheens were created. The depth of penetration was recorded as the sediment thickness.

Riverbed Borings

For the Phase II SRI, BBL completed 14 riverbed borings identified SR-1 through SR-14, in the locations shown on Figure 2. The borings were divided into two categories, deep (extending to the top of the till) and shallow (extending at least six feet or at least 4 feet beyond the lowest occurrence of NAPL). In combination, the riverbed boring program achieved the following objectives:

- To further delineate the lateral extent of NAPL impacts on riverbed materials adjacent to the site; and
- To determine the vertical extent of NAPL underlying the riverbed.

The depths and locations of the riverbed borings are summarized in Table 5.1. The locations of deep riverbed borings SR-102 and SR-103 were chosen to fall in the areas known from prior investigations to have impacts in riverbed materials. By drilling to the top of till in these locations, the borings investigated whether NAPL extended below the surficial materials and if, potentially, a migration pathway existed by which NAPL could migrate from the site at depth and then discharge upward into the River. As discussed in Section 9, the vertical extent of impacts was found to be minimal, and there was no evidence of NAPL migration at depth.

The third deep riverbed boring (SR-101), and four of the shallow borings (SR-104 through SR-107) were located to provide even spatial coverage along the length of the flood wall from the Tompkins Street Bridge to the 24-inch pipe.

The final seven riverbed borings (SR-108 through SR-114) were not originally planned, but were drilled at the request of the NYSDEC to delineate potential impacts related to a sheen observed at sediment sample location SS-1D.

The sampling program for the riverbed borings differed for the deep and shallow locations. At the shallow borings, a sample of the riverbed materials in the top 1 to 2-foot of recoverable material was submitted for analysis of BTEX, PAHs, total organic carbon (TOC), and total cyanide. Deeper samples were collected in only one instance (at SR-109), to delineate the vertical extent of observed impacts.

Table 5.1 Phase II SRI Riverbed Borings

Boring	Depth (feet)	Location / Features Investigated
SR-101	36	Downstream of 66-inch sewer.
SR-102	36	At outlet of 66-inch sewer.
SR-103	38	At outlet of 24-inch pipe.
SR-104	6	Spaced approximately 100' apart in area between 66-inch sewer and 24-inch pipe.
SR-105	8	
SR-106	6	
SR-107	6	
SR-108	6	Downstream of the Tompkins Street Bridge, investigating an isolated area where sheens were observed while collected sediment sample SS-1D.
SR-109	12	
SR-110	6	
SR-111	6	
SR-112	6	
SR-113	6	
SR-114	6	

At the deep riverbed borings, the sampling procedure called for submittal of a single sample from the most impacted interval in the boring. At SR-101 and SR-102, that interval corresponded to the 0 to 2 foot depth. No impacts were noted at SR-103, therefore no sample was submitted. As with the shallow riverbed borings, samples were submitted for BTEX, PAHs, TOC and total Cyanide.

Samples analyses followed the NYSDEC ASP-2000 analytical protocol, and included QA/QC samples at the frequency indicated in the Phase II SRI Work Plan.

The riverbed borings were drilled using a barge-mounted rig, using driven flush-joint casing and a rotary bit, as needed. Prior to the start of the program, a sample of river water was submitted for analysis of BTEX and PAHs to confirm the lack of MGP constituents. After laboratory results showed the river water to be unaffected, river water was used as a drilling fluid. All drilling wash water was contained and recirculated. During drilling, oil-absorbent booms were used, as needed, to contain sheens produced through agitation of the riverbed. Soil samples were collected with continuous split-spoons. Following completion, each boring was tremie-grouted to near the river bottom.

A temporary piezometer was installed for approximately one day, at the deep riverbed boring SR-102. This piezometer was installed so that field staff could gauge the vertical hydraulic gradient between the river and groundwater at the base of the sand and gravel. The piezometer was constructed of 2-inch diameter PVC with a 1-foot long slotted screen, a sand pack and bentonite seal. The piezometer was allowed to equilibrate overnight, after which time the water-level differential between the river the piezometer was gauged. Finally, the piezometer was removed and the borehole was grouted.

Targeted Riverbed Sampling

During the Phase II SRI, BBL collected samples of riverbed materials from a total of four locations, chosen to further investigate prior evidence of impacts. The NYSDEC

selected each sampling location (shown on Figure 2). Table 5.2 lists the names and rationale for the collected samples.

Table 5.2 Phase II SRI Targeted Surficial Riverbed Samples

Boring	Depth (feet)	Location / Features Investigated
SS-15	0.8	Upstream of site at the location of a sheen generated during probing.
SS-1C	0.7	Downstream of site, near former sediment sample SS-1, to further investigate a cyanide detection reported at SS-1, dating to 1993.
SS-1D	0.7	
SS-1E	0.6	

Each sample was collected using hand-driven Lexan® tubes. Sample SS-15 was analyzed for BTEX, PAHs, total cyanide and TOC. The Phase II Work Plan required that the remaining samples (SS-1C, SS-1D, and SS-1E) be submitted for analysis of total cyanide and TOC. Since sheens were noted at SS-1D, that sample was also analyzed for BTEX and PAHs. Samples analyses followed the NYSDEC ASP-2000 analytical protocol, and include QA/QC samples at the frequency indicated in the Phase II Work Plan.

Additional details and results may be found in the locations noted in Subsection 5.4.

Background Sediment Sampling

By letter dated September 25, 2001, BBL informed the New York State Department of Environmental Conservation (NYSDEC) that further background sediment sampling was necessary to evaluate potential upstream and upland sources of PAHs to Susquehanna River sediments near the site. BBL's concern was that many potential sources of PAHs existed upstream from the site, and therefore PAHs would not be a good indicator of site-related impacts unless background concentrations were quantified. In the September 25, 2001 letter, BBL also outlined a series of steps to be taken to obtain the proposed background information. By letters dated November 14, 2001 and November 28, 2001 the NYSDEC and BBL exchanged comments related to the proposed work.

BBL proposed performing a reconnaissance of the Susquehanna River upstream of the site to identify storm water and other discharge locations and evaluate the nature of the riverbed and associated sediments upstream of the site. BBL performed this reconnaissance during the week of November 28, 2001. The reconnaissance identified soft sediment deposits in, and storm sewer lines that contributed flow to, an approximately one-mile reach of the river upstream of the site. During the reconnaissance, BBL systematically probed along, and in between, four transects to identify deposits of soft sediment. Based on this work, BBL identified four such deposits. One was located along the northern bank of the Susquehanna River and three were located along the southern bank of the River. The thickness of the deposits ranged up to three feet. At the remaining probing locations, the river bottom was comprised of mostly gravel, cobbles, and boulders.

In addition to the sediment deposits, BBL identified other potential sources of sediment to the river, specifically outfall pipes and storm-sewer manholes/catch basins located above the site. BBL identified seven storm-sewer lines or other pipes that discharged to the river upstream, and on the same side of the river as, the site. BBL also identified four catch basins/manholes that contained sediment.

Based upon this information, and consistent with BBL's September 25, 2001 letter to the NYSDEC, BBL selected fifteen locations, for sampling that included areas of soft sediment, storm sewers, and manholes.



Figure 5.1: Petroleum pooling on River ice near the spill site.

On January 30, 2002, BBL arrived at the site to perform the background sampling and promptly discovered a plume of sheen on the river. BBL traced the sheen to a petroleum spill located nearly three miles upriver from the site. This observation highlighted two facts:

- Attempting to determine background concentrations of PAHs in river sediments could be problematic because of the many potential sources of PAHs to both upriver and downriver sediments in such an industrialized area.
- Another means of identifying site-related PAH impacts to riverbed materials and soft sediments was needed.

The NYSDEC, concerned about the impact a sheen might have on the sampling results, directed NYSEG to suspend the background-sampling program indefinitely. The NYSDEC and NYSEG agreed that the Phase II SRI (and consequently the full RI program) could be completed without performing the background sediment sampling program.

Section 8 describes the results of the sediment investigation, including the methods used to delineate site-related impacts to riverbed materials and soft sediments.

6. Scope and Status of IRMs

NYSEG has undertaken two projects coincident with the RI aimed at creating near-term remedies where site conditions have created the potential for worsening site impacts to environmental media:

- The Source Area Removal IRM, planned and executed in 2000 and 2001; and
- The 66-inch Storm Sewer IRM, initiated in 2001 and still in progress.

The work completed or planned for the IRMs is tangential to the RI, and is only briefly reviewed here. As noted below, the IRM programs function under separate work plans, and are reported separately.

6.1 Source Area Removal

NYSEG undertook the Source Area Removal IRM to mitigate potential migration of DNAPL away from its original source areas, by excavating several buried MGP features which may have acted as reservoirs or preferential pathways for DNAPL. The buried features included the No. 3 gas holder foundation, a tar-separating well adjacent to the holder, and numerous buried pipes found to contain DNAPL.

The work was completed according to the *Interim Remedial Measures Work Plan* (NYSEG, 2000), and executed by NYSEG in 2000 and 2001. The work was done in coordination with a R & D program in which various new technologies for the expedited characterization of contaminated sites were demonstrated.

NYSEG complete the field work in August, 2001, and submitted a Draft IRM Final Engineering Report in January 2002.

6.1.1 Tasks Completed

The Source Area Removal IRM included several discreet tasks. The key activities and findings (taken from the NYSEG's Final Engineering Report) are outlined below.

No. 3 Gas Holder

- NYSEG excavated the contents of holder foundation, found to be 120 feet in diameter, approximately 10 feet deep, and constructed of brick and stone in poor condition.
- The base of the holder, a 2-foot thick concrete floor, was demolished and removed.

-
- NAPL-containing fill and soil were removed for offsite disposal.
 - A thin layer of NAPL impacted bedding material was removed from under the holder floor, which was located above a low permeability silt layer.
 - The gas-holder foundation walls were removed.
 - No seams of NAPL were observed in the sidewalls.
 - The excavation was backfilled with stockpiled soils and clean fill.

Tar-Separating Well

- The contents and the structure of the tar-separating well were removed for off-site disposal.
- The structure was found to be 28 feet in diameter, approximately 8 feet deep, and constructed of brick.
- The fill materials contained by the structure were heavily impacted with NAPL.
- Former monitoring well MW97-13S had been drilled through the brick floor of the structure.
- The soil beneath the tank was low permeability silt with no evidence of NAPL impacts.
- No seams of NAPL were observed in the sidewalls.
- The excavation was backfilled with clean imported fill.

Test Trenching and Pipe Removal

- NYSEG excavated test trenches to locate and trace piping and other buried structures that may have contained free-phase NAPL.
- Pipes encountered during excavation that contained NAPL were removed to the extent feasible. If removal was not feasible, the pipes were plugged.
- After observing the initial trenching and removal efforts, the NYSDEC agreed that the extent of apparently impacted soils was greater than they anticipated, and that a significant volume of such soil would remain subsequent to the IRM. The NYSDEC agreed that no further excavation was needed during this IRM.

6.1.2 Research and Development Work

The R&D project, supported and co-funded by USEPA/TIO, EPRI, and several EPRI member utilities, evaluated the feasibility/applicability of several promising new technologies for expedited characterization of

contaminated sites. The locations of some test trenches were chosen to confirm the preliminary findings of the remote sensing surveys. In addition, two soil borings, SB-201 and SB-202 were drilled to provide supporting data for the R&D findings.

Additional details on the soil borings completed are available in Subsection 4.2.5 of this report. Further details on the R&D program are currently unavailable. USEPA/TIO is preparing a technical report on the findings of the R&D program, which will be submitted to the NYSDEC.

6.2 66-inch Storm Sewer

On NYSEG's behalf, BBL is designing an IRM to mitigate discharge of site-related NAPL to the Susquehanna River via the 66-inch storm sewer. BBL conducted a pre-design investigation during September 2001 to gather additional data needed to design the IRM. The primary purpose of the investigation was to evaluate whether NAPL migration along the outside of the sewer pipe was a viable mechanism for transport of NAPL to the river. If so, the IRM design would need to address NAPL moving along the outside, as well as seeping into the sewer. The investigation involved excavating several test pits and installing four piezometers along the sewer, and collecting a series of water- and NAPL-level measurements. Relevant information regarding this work is presented in Section 4.

Results of the pre-design investigation were reported in a letter from BBL to the Mr. Brian D'Amour of the NYSDEC dated June 4, 2002. This letter report concluded that an IRM to mitigate potential NAPL migration along the outside of the sewer was not warranted. The NYSDEC agreed with this conclusion and approved the pre-design report in correspondence dated June 21, 2002.

BBL prepared and submitted to the NYSDEC a draft Remedial Design Report on November 11, 2002 and is currently awaiting the NYSDEC's approval to implement the IRM.

7. Subsurface Investigation Findings

This section reports the cumulative findings of site investigations into the nature and condition of the subsurface at and near the Court Street site. The discussion is divided into the following categories:

- Geology and physical setting (Subsection 7.1);
- The occurrence and flow of groundwater (Subsection 7.2);
- The nature and extent of NAPL in the subsurface, including a discussion of soil quality (Subsection 7.3), and
- Groundwater quality (Subsection 7.4).

Findings most relevant to the nature and condition of the Susquehanna River are reported in Section 8. Due to the many relationships between land and river processes, some discussion of the river is included here (most notably, in the sections on groundwater flow and the nature and extent of NAPL).

7.1 Geology and Physical Setting

The following discussion of the geology and physical setting of the site and surroundings is divided into four subsections. The first two subsections (7.1.1 and 7.1.2) provide an overview of the regional and site-specific geologic settings. The third subsection (7.1.3) identifies and describes the site stratigraphy in terms of hydrostratigraphic (i.e., predominant groundwater flow) units. The final subsection (7.1.4) identifies buried utilities and structures at the site, and their potential to influence shallow groundwater and NAPL migration.

7.1.1 Regional Geologic Setting

The city of Binghamton is located in the Appalachian Plateau physiographic province, a region of similar geologic history covering the majority of central and western New York State. The rock and soil at the site are best understood in the context of the Plateau's history, discussed briefly below.

Prior to Pleistocene Glaciation

The interbedded shales, siltstone, and sandstone which form the bedrock of the region were deposited as sediments in an inland sea during the upper Devonian age (Rickard and Fisher, 1970). The long sequence of erosion that has left Central New York's present landscape began approximately 340 million years ago when the inland sea drained and the region became dry land. The rock itself has remained nearly flat lying, cushioned from the compressive mountain building forces (which created the folds and faults in like-aged rocks south in Pennsylvania), by a ductile salt layer in underlying Silurian aged rock.

The Pleistocene Glaciation

Several glacial advances have swept over Central New York. The last ice sheet retreated from its southern terminus in Pennsylvania approximately 17,000 years ago. The present day Chenango and Susquehanna Rivers locally follow valleys carved by the glacier, valleys which probably predated the glaciation but were deepened and widened by glacial ice. The glacier carried unconsolidated material (clay, silt, sand, gravel, cobbles, and boulders) with it as it moved southward, and deposited this material on the land. Unsorted deposits, referred to as till, were deposited beneath the ice, or at the edge of melting ice, while deposits exhibiting a higher degree of sorting (i.e., stratified drift) were deposited by glacial meltwater in rivers and lakes formed while the glacier slowly melted.

Post Glaciation

The present day Chenango and Susquehanna Rivers formed as the glacier receded from the area 10- to 15,000 years ago. The rivers flow largely on the glacial deposits which fill the valleys, gradually cutting into them and carrying the material downriver to be deposited again as alluvium. The soils deposited since the last glaciation are primarily this sand, silt, and clay left by the rivers and their tributary streams.

Binghamton was built on a broad lowland valley where the Chenango and Susquehanna Rivers join. The paths of the rivers, and the location of their junction have meandered across the valley floor leaving old stream channels, sand bars, and sediment-filled oxbows superimposed on the glacial outwash.

Table 7.1 Generalized Geologic Column

Upper Contact Elev.(ft. AMSL)	Thickness (ft)	Stratigraphic Unit
845	10	Fill – silt, sand, gravel, ash, cinders, slag. Also includes demolition debris, foundation remnants, and buried utilities.
835	10	Alluvial Silt and Clay -- massive, with a blocky texture and little or no organic matter.
825	30	Outwash Sand and Gravel –discontinuous layers of variable thickness and composition, generally fine to coarse sand, fine to coarse gravel, occasional lenses of fine sand and silt.
795	45	Till – dense silt and clay matrix containing embedded sand and gravel, rounded to angular, multiple rock-types.
750		Bedrock – Dark gray shale, slightly weathered, horizontal bedding.

Note: elevations and thicknesses approximated for center of site.

Man's Influence

In two centuries of intensive habitation, the people of Binghamton have significantly modified the landscape. The rivers are now dammed and lined by flood walls and dikes. Formerly swampy areas in the valley floor have been drained or raised with fill. A consideration of the near-surface geology must now include these man-made influences.

7.1.2 Site Geologic Setting

The site occupies a small parcel of land (about 4.3 acres) by the north bank of Susquehanna River (see Figure 1), approximately 1.4 miles upstream of its junction with the Chenango River. Site investigations have identified the five principal geologic units beneath the site described in Table 7.1. These units show a sequence of events specific to the site's geologic history:

- Shale bedrock deposited as silt and clay in the Devonian Period;
- Dense basal till deposited by the Pleistocene glacier(s);
- Outwash sand and gravel deposited by meltwater rivers as the glacier receded;
- Post-glacial alluvial silt and clay, probably deposited in an abandoned river channel, left as the of the Susquehanna and Chenango Rivers meandered across the valley; and
- Fill and an assortment of man-made structures, originating in the site's industrial history.

Subsection 7.1.3, below, describes the nature and hydrogeologic function these geologic units in detail.

Currently, nearly all precipitation that falls on site infiltrates to become groundwater. On the streets and properties adjacent to the site, much of the runoff enters storms drains that discharge directly to the river. Nineteenth century maps (contained in the Electronic Attachments CD) show that a creek, then named the Brandywine, flowed across the western part of the site, connecting a swampy lowland to the north with the river to the south. The swampy lowland (likely an abandoned river channel) is believed to have filled much of the current topographic depression extending north from the site, visible in the contours on Figure 1. In the latter half of the 19th century, the swampy lowlands were apparently filled and drained, and the flow of Brandywine Creek was transferred to the still-extant 66-inch storm-sewer (Figure 2).

The Susquehanna River (where it passes the site and through the City of Binghamton) forms the backbone of an enormous drainage basin, extending to the north and east. At a gauging station upstream of the site (thus

excluding the Chenango River's contribution) the average flow of the Susquehanna River is approximately 3,500 cubic feet per second (USGS, 2001). The outwash sand-and-gravel unit filling much of the Susquehanna River valley (as in runs east to west across central New York) forms the Clinton Street Ballpark Sole Source Aquifer, a USEPA designation (USEPA, 2002). While the City of Binghamton obtains its water directly from the Susquehanna River, some adjacent communities rely on groundwater pumped from this aquifer.

7.1.3 Hydrostratigraphic Units

Hydrostratigraphic units comprise geologic units of similar hydrogeologic properties (e.g., hydraulic conductivity); therefore, several geologic units can be grouped together as one hydrostratigraphic unit. The concept of hydrostratigraphic units was introduced by Maxey (1964) and reassessed by Seaber (1988). The use of hydrostratigraphic units aids interpretation and simplifies the discussion of groundwater flow. The hydrostratigraphic units at the site are discussed individually below, and the relationship of these units to one another is depicted in cross-section on Figure 6. The line of section, which is shown on Figure 1, is drawn approximately parallel with groundwater flow directions across the valley floor.

Bedrock/Till Unit

While clearly distinct geologic units, the bedrock and till form a single hydrostratigraphic unit, due to their similar role in site groundwater flow patterns. As discussed below, the bedrock/till hydrostratigraphic unit forms a lower confining unit for the significantly more conductive sand-and-gravel unit, directly above.

BBL collected core samples of the bedrock beneath the site while drilling the boreholes for monitoring wells MW01-03R and MW01-07R. At both locations, the rock was a gray-colored shale, with essentially horizontal bedding, slight weathering, and a moderate quantity of horizontal bedding plane fractures.

The bedrock surface occurs at an elevation of approximately 755 feet AMSL at both bedrock-well locations. At the boring identified "Hole 2", drilled during construction of the Tompkins Street Bridge, the bedrock surface occurred at a nearly identical elevation. Hole 2 is shown on Figure 9; its log is included in Appendix A. The three points available describe a generally flat-lying bedrock surface, approximately 92 feet below the site grade.

Table 7.2 Till Sieve Analyses

Location	Depth of Sample (ft. bgs)	Percent Passing Sieve			
		gravel	coarse sand	med. sand	silt & clay
		#4	#10	#40	#200
TB-5	54-56	61.6	50.2	37.2	29.8
TB-8	50-52	58.2	50.3	40.7	34.7
TB-12	48-50	68.2	59.8	46.8	33.9
SB-105	61-64	62.1	51.7	37.9	25.8
MW01-03R	61-63	38.9	31.4	22.1	17.2

More detailed results are presented on the Electronic Attachments CD.

At the site, till was encountered in every deep boring drilled. The material varied moderately from location to location, though was generally very dense, with a matrix of silt and clay supporting larger clasts of sand and gravel. As is typical of till, the results of the grain-size-distribution analyses (summarized in Table 7.2) show considerable range of composition, including substantial

fractions of silt and clay, sands, and gravel. Most of the grain-size analyses were performed on till samples collected with standard 1.5-inch inside-diameter split spoons; therefore, the results do not include clasts larger than the sampler diameter. The lower percentage of fines in the till sample from MW01-03R, for example, likely results in part because the sample was cored with an HQ core barrel, and included large gravel and small cobbles which would not fit in a standard split spoon (see Figure 7.1).

The topography of the till surface in the area of the site is depicted on Figure 6. The figure reveals the following:

- The till surface has strong, irregular relief. This is consistent with the nature of its deposition, and the erosional contact between the till and the overlying outwash deposits.
- There are two significant knobs of till hemming the site to the southwest and northeast.
- Directly beneath the site, the till surface is generally flat, except along the site's northern edge where there is a closed depression.
- Beyond the site, the till surface slopes to the south below the Susquehanna River.
- Till is absent beneath the Susquehanna River at one boring location (Hole 2). At this hole, in place of the till there is a thick sequence of silt and clay overlying the bedrock. The geologic origin of this material is unclear.



Figure 7.1 Till sample from MW01-03R.

The dense nature of the till suggests that it is a lodgment till. Lodgment till is deposited by ice at the base of the glacier, and is typically very compact due to the great weight of the overlying glacier that deposited it. At some locations, the uppermost portion of the till contained similar fractions of unsorted materials but was not as dense or cohesive. These intervals are interpreted to result from melt-out or ablation till, deposited as the glacier melted, and suspended materials were released from the ice.

Aquifer modeling performed in the region by Randall (1986) indicated that the bedrock and till of the region are both “very poorly permeable.” Reynolds and Garry (1990) noted that till in the Susquehanna River Valley generally has a very low permeability because of its high silt content and compactness. These observations point out the key hydrogeologic property of the bedrock/till unit, namely its low hydraulic conductivity and consequently poor yield of groundwater. No production or monitoring wells have been installed in the till at or near the site. Slug tests performed at the two bedrock monitoring wells (MW01-03R and MW01-07R) yielded

estimated hydraulic conductivities of 0.5 and 3.7 feet/day, respectively. The conductivity of the till unit is expected to be even lower.

These properties suggest that the unit acts as a confining layer in the regional groundwater-flow system, and that the majority of groundwater beneath the site moves through the overlying, more permeable hydrostratigraphic units described below.

Sand-and-Gravel Unit

The sand-and-gravel hydrostratigraphic unit is the most significant at the site for its ability to yield and transmit groundwater. This unit is laterally continuous across the site and, based on regional subsurface data and literature collected during this investigation, is inferred to continue across most of the valley floor. At the site, the thickness of the unit averages about 30 feet, and was observed to range from 22.5 feet (at MW01-03R) to 48.5 feet (at MW01-17D).

This unit likely consists of the bottom, coarser portion of the alluvium and the outwash sand and gravel described in Subsection 7.1.2. The sand and gravel surface map (Figure 10) shows approximately 30 feet of relief within the site and its immediate area. The sand-and-gravel surface forms a small valley under the site on a general north-south trending axis. This valley is likely a remnant of one of the former channels of the Susquehanna or Chenango Rivers where, like the present channels, river flow eroded the top of the sand and gravel unit.

The actual composition of the unit varies considerably with depth and location, comprising silt, sand, gravel and cobbles in varying distributions. Since deposition of these sediments likely occurred as stream channels meandered across the valley floor, there is little lateral continuity of composition. The samples submitted for grain size analysis reflect this heterogeneity. As summarized in Table 7.3, the components of silt, sand, and gravel, vary widely. Some intervals within the unit are nearly all coarse sand and gravel, while others have significant percentages of silt and clay, with bulk grain-size distributions not unlike the till.

The heterogeneity of the sand and gravel is well represented in the hydraulic conductivity (k) test results (Table 7.4). Values for k were estimated from slug-test data collected at eleven monitoring wells screened in the unit. Using the methods of Bouwer and Rice (1976) and Bouwer (1989), values of k were found in a range from 0.6

Table 7.3 Sand and Gravel Sieve Analyses

Location	Depth of Sample (ft. bgs)	Percent Passing Sieve			
		gravel	coarse sand	med. sand	silt & clay
		#4	#10	#40	#200
TB-5	34-38	97.6	97.6	94	23.3
TB-9	22-26	78.9	76.8	60.8	13.4
TB-12	42-44	52.3	48.2	30.6	7.8
TB-12	44-46	92.5	91.1	56.8	11.1
MW-2D	46-50	53.6	44.8	32.7	24.2

More detailed results are presented on the Electronic Attachments CD.

Table 7.4 Estimated Hydraulic Conductivity of the Sand and Gravel

Location	Elevation Center of Screen (ft. AMSL)	Hydraulic Conductivity (ft./day)
MW93-5D	793.5	0.6
MW93-2D	795.5	0.9
MW93-3D	802.8	14
MW93-1D	800.2	19
MW-01-17D	804.8	20
MW93-6D	789.4	77
MW97-9D	808.6	257
MW-01-17S	829.7	277
MW97-9S	829.2	703
MW97-7S	828.6	863
MW97-10D	799.1	1,620
Geometric Mean:		56

to 1,620 feet per day (ft/d). The bulk hydraulic conductivity of the sand and gravel is likely in the middle of that range.

BBL used historical pumping and drawdown data from the former Ranney Well, located approximately 500 feet east of the site (Figure 2), to complete an areal model that computed a k value of 328 ft/d (details concerning the approach used to estimate k using the model are provided in Appendix B). Since the Ranney Well pumping data involved a greater portion of the unit, the model value may represent a better bulk k for the unit than the values obtained from individual monitoring well slug tests. The continuity of head in the unit (i.e., the very slight vertical and horizontal gradients), suggest a strong hydraulic connection within the unit despite local variations in conductivity.

As a unit, the sand and gravel is highly permeable and is capable of yielding significant quantities of water. Historic data from the Ranney Well show that the well could maintain a pumping rate of 1,400 gpm with a sustained drawdown of approximately 6 feet (BBL, 1996).

Silt Unit

A discontinuous deposit of silt, constituting a third hydrostratigraphic unit, occurs across the majority of the site. The unit is absent below the Susquehanna River, and also east and west of the site. The extent of the silt is shown superimposed on the sand-and-gravel surface map (Figure 10). The location and thickness of the silt unit correlates with the valley-like depression in the sand and gravel surface. The silt was most likely deposited in the still waters of this former stream channel, following a shift in the course of the river. The greatest thickness of silt that was identified in borings at the site was 12.9 feet at MW01-03R, located near the eastern edge of the site.

The silt observed on site is generally described as unstratified (massive), with varying quantities of clay, a blocky texture and little discernable organic matter. The results of grain-size analysis, summarized in Table 7.5, show little to trace proportions of material larger than silt and clay.

The top of the silt unit likely formed the original land surface, prior to development of the area. The silt is currently covered by fill, and its surface is widely irregular due to construction excavations and apparent grading undertaken throughout the site's industrial history. In general, the silt surface appears to form a small mound in south-central portion of the site. The foundation of the No. 4 gas holder may penetrate through the silt to the sand and gravel in places. The foundations of gas holders Nos. 1, 2 and 3 extend into, but not through, the silt unit.

Along the course of the 66-inch storm sewer (which appears to lie at least partially in the bed of the former Brandywine Creek), a portion of the silt unit may have been disturbed. An historic topographic map depicting the flood of April 1924 (mentioned in Subsection 2.1) shows that the sewer lay in a bowl-shaped depression about 10 feet deep. This depression is inferred to be an erosional swale of the former Brandywine Creek.

Boring data from this area do not clearly identify this feature, suggesting that local silt may have been used as backfill material to level grade around the sewer, in the former Brandywine canal (which historic maps show crossed the area), and to fill the natural swale of Brandywine Creek.

The silt unit is significant hydrogeologically because it limits recharge to the sand and gravel unit by restricting infiltration of precipitation, and because its presence affects local, shallow groundwater flow conditions. These hydraulic functions appear to apply regardless of whether the silt is native or reworked. Groundwater flow is discussed in detail in Subsection 7.2.

Estimates of the k of the silt are available from two sources. Slug tests conducted in wells screening the silt (MW97-11S and MW97-12S) provide estimates of the horizontal k of the silt, and the results of undisturbed permeability testing of Shelby-tube samples of the silt provide estimates of the vertical k . Test results are included on the Electronic Attachments CD.

Table 7.5 Silt Sieve Analyses

Location	Depth of Sample (ft. bgs)	Percent Passing Sieve			
		gravel	coarse sand	med. sand	silt & clay
		#4	#10	#40	#200
MW93-3S	8-14	100	100	98.2	82.7
MW97-11S	10-12	98.6	98.2	97.5	94.1
TW97-1S	26-28	99.4	99.3	98.7	97.7

Table 7.6 Fill Sieve Analyses

Location	Depth of Sample (ft. bgs)	Percent Passing Sieve			
		gravel	coarse sand	med. sand	silt & clay
		#4	#10	#40	#200
TP-8*	13.5	99.0	99.6	74.3	50.7
TP-207	13.0	92.3	85.9	65.3	36.0
TP-207	14.5	5.6	4.9	3.4	1.5

*TP-8 was excavated near TP-205 by NYSEG as part of the source removal IRM. Location was not surveyed and is not shown on figures.

The k values provided by the slug tests were 24 ft/d and 3 ft/d for MW97-11S and MW97-12S, respectively. These values are somewhat high for a silt deposit. Silt deposits would be expected to have k values within the range of 0.03 to 3.3 ft/d (Brassington, 1988). The boring logs for these wells show that only a small distance separates the bottom of the wells from the top of the sand and gravel unit. It is possible that during the slug tests conducted at these wells, some of the water entering the wells was contributed by the underlying sand and gravel unit and not the silt, which would result in an overestimate of k .

The vertical k values obtained from the Shelby-tube samples were 0.0003 ft/d (one sample collected during drilling of TW97-1S) and 0.002 ft/day (one sample collected during drilling of MW97-11S). These values are low for pure silt, but within the expected range for silt with a clay component.

Fill Unit

The fill hydrostratigraphic unit consists of the saturated fill that overlies the silt unit. Where fill occurs outside the limits of the silt unit, it is generally unsaturated. The saturated thickness of the unit is slight, with a maximum observed thickness of approximately 5.5 feet at MW97-13S. The majority of water moving through this unit is likely derived from infiltrating precipitation that is mounded above the silt. The limited areal extent and small saturated thickness of the unit suggests that only a small fraction of the groundwater beneath the site moves through this unit.

The fill is composed of a wide variety of materials including silt, sand, gravel, ash, cinders, slag, and demolition debris from the former MGP structures that occupied the site. Grain-size analyses of fill samples collected from different materials found near the 66-inch storm sewer (summarized in Table 7.6) point to variability of composition.

The fill contains several man-made features (e.g., utilities, walls, and foundations) that can preferentially enhance or impede groundwater and NAPL movement, and potentially create reservoirs for these fluids. The features are discussed in more detail below. Hydraulic-conductivity data for the unit are not available; however, the hydraulic conductivity likely varies considerably due to the variable nature of the fill. Although variable, the bulk hydraulic conductivity of the unit can reasonably be expected to be moderate, due to the significant proportion of coarse materials contained in the fill and its relatively loose nature.

7.1.4 Utilities and Other Man-Made Structures

Certain buried utilities and structures at the site may influence shallow groundwater and NAPL migration. The nature of these buried features, and their roles in the site hydrogeologic system, have been studied throughout the various phases of site investigations. Depending on location and construction, such features may retard groundwater flow, create a preferential pathway, form a reservoir, or have no effect whatsoever.

The subsections below discuss the features, listed in Table 7.7, which have been assessed for the RI with respect to their potential affects on groundwater and NAPL migration.

Table 7.7 Utilities and Other Man Made Structures

Feature
Brandywine Creek and Canal beds
66-inch storm sewer
Former gas-holder foundations
Onsite foundation walls
Court Street flood wall
Former combined sanitary sewer
Municipal water lines
24-inch, "BB", and "E" pipes

7.1.4.1 Brandywine Creek and Canal Beds

Figure 2 shows two features crossing the western portion of the site from north to south: the former Brandywine Canal, and the still extant 66-inch storm sewer. Historical maps also show a third feature, the former Brandywine Creek, which is inferred to have flowed where the sewer is now shown. The chronology of these features is discussed in the Site History section (Subsection 2.1). In summary, the known history of these features is as follows:

- By 1836, the Brandywine Canal had been constructed in the approximate location shown on Figure 2. It is inferred, though not documented, that the Brandywine Creek (or a lesser drainage feature) ran adjacent to (and east of) the canal, predating the canal's construction.

-
- Between 1876 and 1885, the canal was abandoned. Brandywine Creek (now formally identified) continued to flow along a course adjacent to the path of the former canal.
 - Between 1911 and 1924, Brandywine Creek was diverted into a culvert, apparently laid in the creek bed. The culvert still exists, and is shown on Figure 2, identified as the 66-inch storm sewer.

The remainder of this subsection discusses the investigation findings on the creek and canal bed, and their potential impact on site groundwater and NAPL migration. The 66-inch storm sewer is discussed in Subsection 7.1.4.2, below.

Brandywine Canal

The test pits and soil borings completed in the western portion of the site have provided no clear archeological evidence of the Brandywine Canal (e.g., stone walls, timbers, etc.). It is probable, therefore, that the canal's construction did not include extensive use of retention walls, though the later proliferation of industrial structures may have altered or destroyed any such physical evidence beyond recognition. Soil boring data provide circumstantial evidence that the canal crossed the site as shown on Figure 2. Specifically, the silt found immediately above the sand and gravel in soil borings in the inferred path of the canal (e.g., TB-9, TB-2, and MW93-1D) is inferred to be fill, based on texture and composition.

When abandoned, the canal appears to have been in-filled with local soils, mostly low-permeability silt. No walls or other structures were observed during site investigations. As such, the potential is low for the canal bed to form either a preferential pathway or a reservoir for groundwater or NAPL. Though NAPL was observed in borings believed to fall within the path of the former canal, the quantity and distribution of NAPL was similar to that observed in borings advanced elsewhere onsite. As shown on Figure 11, the shallow groundwater potentiometric surface shows no apparent deflections inferred to be due to the former canal bed.

Brandywine Creek

As discussed in Subsection 2.1 (Site History), maps of the site prior to industrial development show a creek crossing the western portion of the site, flowing from north to south and discharging to the Susquehanna River. The available historical maps suggest that Brandywine Creek was parallel to, but not coincident with, the canal discussed above. Evidence of the creek is obscured by the 66-inch storm sewer (discussed below), which was apparently constructed within the creek bed. Possible hydrogeologic implications of the creek bed, therefore, are incorporated in the discussion of the storm sewer, below.

7.1.4.2 66-inch Storm Sewer

The first evidence of the 66-inch storm sewer appears on a topographic map (mentioned in Subsection 2.1) that depicts the flood of April 1924. This map shows that the sewer existed in its present location, but that the western portion of the site had not yet been completely in-filled to an even site grade. At that time, portions of the sewer were visible at grade, laying in a bowl-shaped depression about 10 feet deep. The area west of the sewer, now occupied by Brandywine Avenue, is shown to be a steep bank sloping toward the sewer.

The current understanding of the sewer construction has been assembled from a variety of sources:

- City of Binghamton Engineering drawings for the Tompkins Street Storm Pumping Station, dated January 1999 (included on the Electronic Attachments CD);
- A manned storm sewer inspection from MH-1 to 50 feet north of MH-2, conducted inside the sewer for the Phase I SRI (see the inspection report on the Electronic Attachments CD); and
- Numerous subsurface investigation locations (e.g., test-pits and soil borings) completed along its path, in particular five test pits (TP-204, TP-205, TP-206, TP-207 and TP-208) completed for the storm sewer IRM (see Section 6).

Figure 3 shows the sewer relative to the current site layout and the site investigation locations. The sewer is also depicted in cross-sectional view on Figure 7. The key features of the sewer construction are as follows:

- Approximately 50 feet north of the site, traveling south, the sewer changes from a 3.5 by 7 foot concrete box culvert into a 66-inch inner diameter reinforced concrete pipe.
- From that junction to manhole 1 (MH-1), the 66-inch pipe is continuous under the site, with two intermediate manholes (MH-2 and MH-1B) and an enclosed vault where the sewer bends slightly (shown on the Figure 2).
- South of MH-1, directly under Court Street, the sewer enters a 72-inch stone culvert.
- On the south side of Court Street, the stone culvert connects to the Tompkins Street Storm Pumping Station, which discharges to the Susquehanna River.

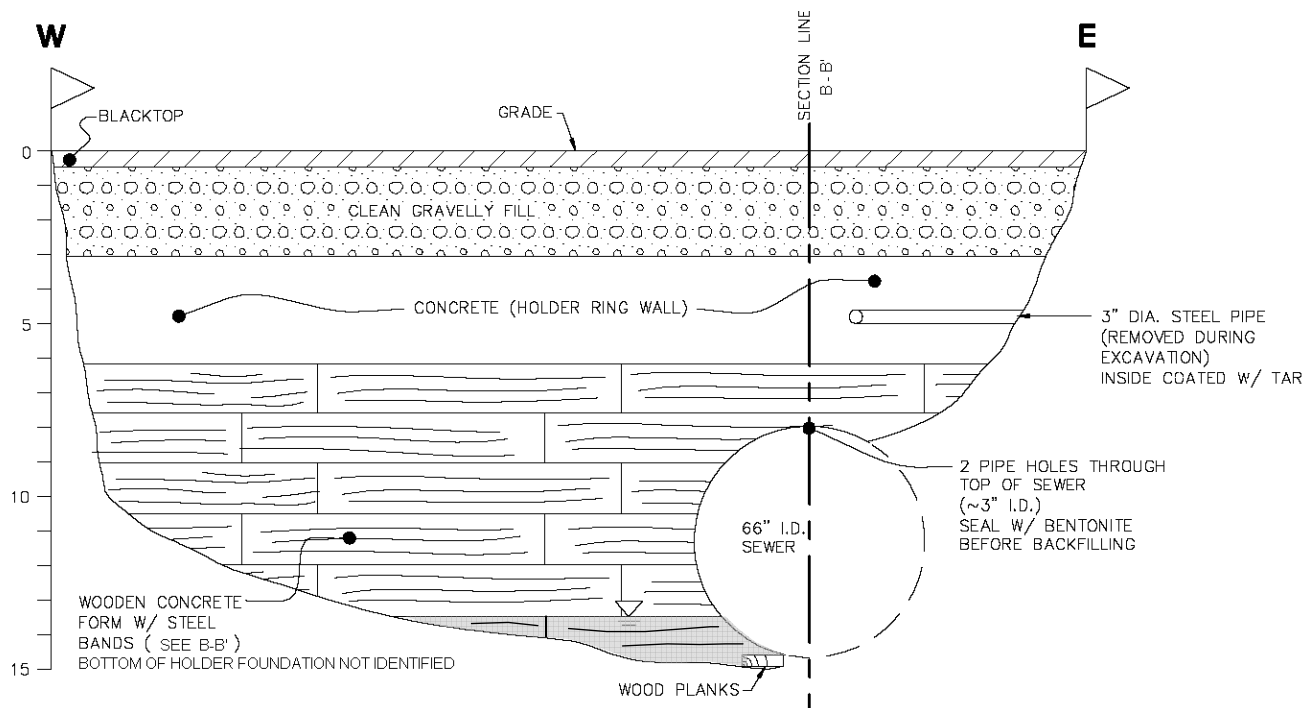


Figure 7.2 Schematic of Test Pit 209, looking north, showing the foundation of the No. 4 gas holder constructed over the 66-inch diameter storm sewer. Additional details and views are given in Appendix A. Scale is in feet.

- From MH-2 to MH-1, the sewer grades less than 1 foot, from an invert elevation of 832.2 to 831.4 feet AMSL. For reference, the mean shallow potentiometric surface elevation along the pipe is approximately 834 feet AMSL (see Figure 11).
- The No. 4 gas holder was constructed on top of the sewer, and its foundation walls were built to fit over top of the pipe. This relationship is shown schematically in Figure 7.2. Note that the bottom of the gas holder foundation was not identified in the test pit, but extended below the level of water in the pit.

BBL's investigations into the storm sewer have focused on its potential to act as a preferential pathway for groundwater or NAPL migration, either inside the pipe, or in the bedding materials surrounding it. These topics are assessed in the subsections below.

Potential Migration Inside the 66-inch Storm Sewer

The manned storm sewer inspection identified frequent tar seeps and oil weeps between manholes MH-1 and MH-2, but no areas where water appeared to actively leak into the pipe. The inspection also noted a small quantity of DNAPL (approximately one-half quart) puddled at one location (approximately 180 feet upstream of manhole MH-1). During the investigation, grab samples of water flowing in the sewer, and sediment accumulated on the sewer floor, were collected from MH-1, MH-2 and MH-3, as indicated on Figure 2. In

November 2001, as part of the Phase II SRI, BBL collected a grab sample of sediment from the sump of the pump house on Court Street.

The analytical results for compounds potentially related to the MGP are summarized on Table 7.8. (The complete summary of results is reported on Tables 7 and 16).

Table 7.8 Storm Sewer Water and Sediment Analytical Results

Sample	Location	Storm Water Concentration (ppm)		Sediment Concentration (ppm)	
		Total BTEX	Total PAHs	Total BTEX	Total PAHs
MH-3	50 ft. upstream of site	ND	ND	ND	35.4
MH-2	At upstream site boundary	ND	ND	ND	49
MH-1	At downstream site boundary	5 J	ND	ND	12.5
CSPH Sump	Downstream of site in pump house	NA	NA	0.36	126

J= estimated concentration; ND = compounds not detected; NA = compounds not analyzed.

In storm water, the analytical results indicated the presence of several VOCs, though only low concentrations of BTEX compounds. The primarily constituents detected were the chlorinated hydrocarbons TCA and DCA, which were detected in similar concentrations at all three sampling locations, at concentrations exceeding NYSDEC Ambient Water Quality Standards. TCA and DCA are not associated with MGP sources and are believed to be from an upstream, off-site source. No SVOCs were detected in the three samples. Manganese and sodium were the only inorganics detected in the three samples above NYSDEC Ambient Water Quality Standards.

No BTEX was reported for the storm sewer sediment analytical results, except in the pump house sump, where concentrations were still below 1 ppm. Higher concentrations of PAHs were identified in sediment, particularly in the pump house sump, where the total PAHs exceeded 100 ppm.

Though the concentrations of MGP related compounds in the storm sewer sediment and water are inconclusive alone, the presence of NAPL inside the pipe (noted during the sewer inspection), indicates that the inside of the sewer has the potential to contribute site-related constituents to the Susquehanna River. Options for an IRM to cut-off this potential migration pathway are currently being evaluated (see Section 6).

Potential Migration in the 66-inch Storm Sewer Bedding

The potential for the bedding materials around the 66-inch storm sewer to act a preferential pathway for groundwater and NAPL migration depends on the nature of that bedding. A great many investigation locations provide data to assess it, most significantly the following:

- A series of test pits excavated on site along the length of the sewer (TP-205 though TP-208), and
- A series of borings completed to install piezometers adjacent to the sewer (PZ01-03 though PZ01-06).

Based on the findings from these investigations, the sewer must be considered in three sections: north of, directly under, and south of the No. 4 gas holder. The findings for each section of the sewer are discussed below.

North of the No. 4 Gas Holder

The following observations refer to the section of the 66-inch storm sewer lying between the north edge of the No. 4 gas holder and MH-2:

- The sewer appears to lie entirely within a small trough in the native silt unit, inferred to be a straightened version of the former Brandywine Creek. At no point on this section was the sewer observed to come in contact with the top of the sand and gravel unit.
- With the exception of discontinuous lens of gravel observed at TP-207 (note the 14.5 foot sample grain-size results shown in Table 7.6), no coarse stream channel deposits were observed.
- The fill materials observed below and surrounding the sewer were primarily silt, with lesser amounts of other grain-sizes. There is some evidence that wooden planks or timbers may have been lain beneath the pipe (see test pit log of TP-207); however there is no evidence that the sewer was constructed on a concrete slab or any type of rigid foundation.
- The soils observed near the sewer frequently contained NAPL, though not preferentially more than was observed elsewhere onsite.
- The shallow groundwater potentiometric surface created with the aid two piezometers immediately next to the sewer (PZ01-04 and PZ01-05) shows no hydraulic deflection attributable to the sewer or its bedding materials (see Figure11).

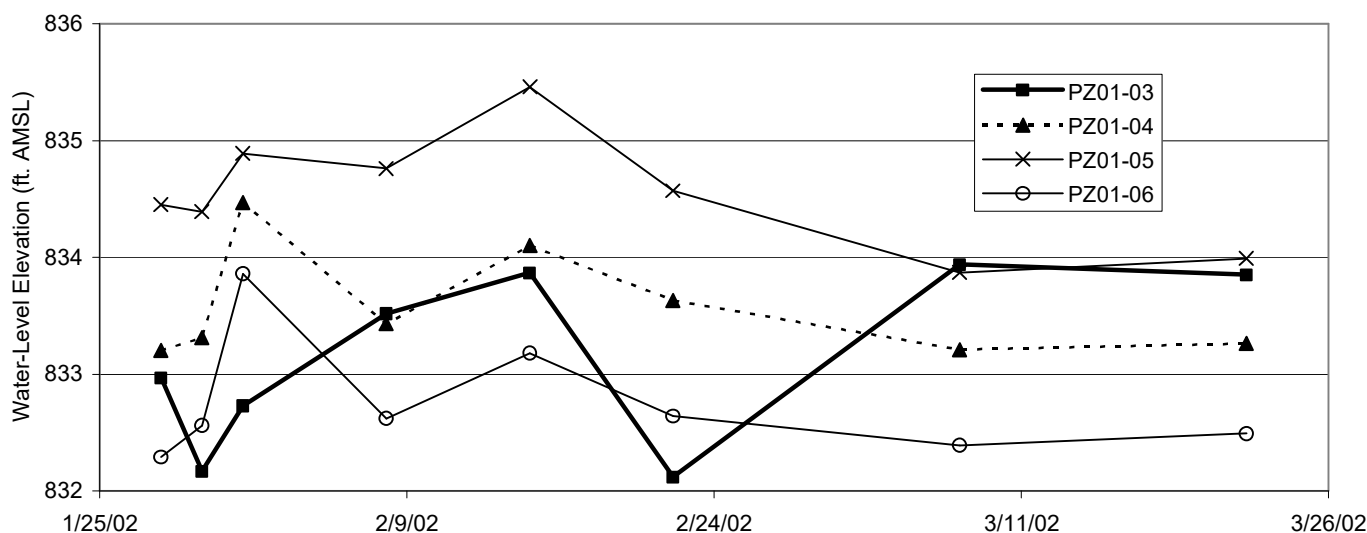
Based on these findings, the bedding materials around the section of the 66-inch storm sewer lying between the north edge of the No. 4 gas holder and MH-2 do not create a significant preferential pathway for groundwater or NAPL migration to the Susquehanna River.

Inside the Foundation of the No. 4 Gas Holder

At test pit TP-208, the foundation wall of the No. 4 gas holder was observed to extend to at least 15 feet below grade (the approximate bottom depth of the sewer), but may have extended deeper (note Figure 7.2). The foundation was created of poured reinforced concrete fitting closely around the 66-inch storm sewer, thus forming an effective cut-off wall to shallow groundwater flow.

The integrity of the foundation is best demonstrated by the water-level data collected from PZ01-03, which was installed within the holder on the western side of the storm sewer (see Figure 2). Figure 7.3 graphs the water-level fluctuations of PZ01-03 with respect to the other piezometers installed along the length of the storm sewer. Note that while the water-levels in PZ01-04, PZ01-05, and PZ01-06 respond in a like manner to recharge, the

Figure 7.3 Hydrograph of Storm Sewer Piezometers



water-level fluctuations at PZ01-03 appear to be anomalous. Most likely, the fluctuations at PZ01-03 represent a delayed response to the same recharge factors affecting the other piezometers. This model makes sense if, as the available data suggest, the holder is analogous to a coffee can pressed upside-down into the earth – with a top sealed from recharge (i.e., it is made of concrete and is paved over), an open bottom, and largely intact side walls penetrating the majority of the silt and fill units.

Piezometer PZ01-03 is screened in silt (or silty fill) similar to that observed at other locations to the north investigating the nature of the materials adjacent 66-inch storm sewer. The minor amounts of NAPL observed on fractures and partings in the silt are inferred to be residual (no NAPL has accumulated in the piezometer), and are likely from other NAPL sources, which predate construction of the gas holder in 1927.

The apparent hydraulic isolation created by the No. 4 gas holder foundation supports the conclusion that the bedding materials around the section of the 66-inch storm sewer (where it underlies the gas holder) do not create a significant preferential pathway for groundwater or NAPL migration to the Susquehanna River.

South of the No. 4 Gas Holder

The section of the 66-inch storm sewer was investigated by test pit TP-208, piezometer PZ01-06, and monitoring well MW97-8. Additionally, Figure 8 presents a cross section drawn along the portion of the flood wall where the 66-inch storm sewer passes beneath it.

The materials observed adjacent to the sewer in TP-208 consist of coarse fill (gravel, cobbles, timbers, etc.). The boring for piezometer PZ01-06 extended to 19 feet below grade and encountered no silt or other low permeability bedding materials. Water-levels collected from this piezometer are generally representative of the sand and gravel unit. In the test pit and the boring for the piezometer, NAPL was observed in the pore spaces of the coarse saturated fill. The quantity of NAPL appeared (by fraction of volume) to be greater than that observed elsewhere onsite, particularly by comparison to the numerous borings and test pits where NAPL was observed only in fractures and partings in the silt unit.

At MW97-8, fill materials near the outside of the pipe were chiefly composed of silt and were not observed to contain NAPL (Figure 7). An obstruction was drilled through at an elevation coincident with the approximate bottom of the 66-inch sewer. Beneath the obstruction were about 5.5 feet of silt that contained NAPL along fracture planes, and then sand and gravel, which also contained NAPL. Whether this silt is native or fill is uncertain; however, it appears that NAPL has preferentially migrated through it as opposed to the shallower fill materials that surround the 66-inch pipe.

The water table elevation contour map (Figure 11) shows a trough focused on PZ01-06, making that location a focal point of lateral groundwater flow in the silt and fill. While the No. 4 gas holder blocks shallow groundwater flow from the north (including the upstream portions of the storm sewer), there is no apparent barrier to groundwater flow from the east.

Though the materials observed around the storm sewer in TP-208 are not all strictly bedding, it is apparent that this fill is preferentially conductive and that the silt unit is likely absent in this area. These observations are important because they suggest a means by which shallow groundwater and NAPL could drain to the top of the sand and gravel. Therefore, the section of the sewer south of the No. 4 gas holder, and the several feet of soils that underlie it (to the top of the sand and gravel) likely form a preferential migration pathway for groundwater and, potentially, NAPL to reach the Susquehanna River. As shown on Figure 8, the flood wall will not affect groundwater and potential NAPL migration in this area because the water table, 66-inch storm sewer, and the NAPL all occur beneath it. An IRM evaluation, currently in progress, is assessing the feasibility of various means to mitigate this potential migration pathway.

7.1.4.3 Former Gas Holder Foundations

In the history of plant operations, there were a total of four gas holders. The footprint of each is shown on Figure 2. As plant operations gradually expanded, the new holders were built, each progressively larger in size (see Table 7.9). From what can be gleaned from the historical record and

Table 7.9 Former Gas Holders

Number	Year Constructed	Gas Capacity (cubic feet)
Holder 1	Circa 1888	Unknown
Holder 2	1894	180,000
Holder 3	1903	750,000
Holder 4	1927	3,000,000

Source: Former MGP property inventory (circa 1957)

modern subsurface investigations, the construction of each holder varied and, accordingly, so do the apparent effects their remnants have on the movement of shallow groundwater and NAPL. The apparent remains of each holder and their potential hydraulic affects are discussed below.

No. 1 Gas Holder

The No. 1 gas holder was the first and smallest of the holders, presumably constructed at the time the plant first began operations in 1888. No data on its construction or demolition have been found in the historical record. One boring (TB-11) was completed within the holder. That boring stopped at 14.3 feet below grade on what is inferred to be a brick foundation. The material inside the holder consisted of sand and gravel fill, with evidence of NAPL from 6 feet bgs to the bottom. The boring also noted water-saturated soil just two feet below grade (as compared to approximately 8 feet outside the holder), suggesting that the foundation is holding groundwater. At the boring for MW97-10D, located just outside the holder, silt extended to approximately 19 feet below grade; therefore the holder foundation likely does not fully penetrate the silt. The No. 1 gas holder foundation has no apparent affect on the water table surface (see Figure 11).

No. 2 Gas Holder

The No. 2 gas holder, shown in Figure 7.4, is described in a plant inventory⁵ as being 84 feet in diameter and constructed to use a water seal. (A water seal, in most cases, implies that the holder extended below the ground so that groundwater could be used to seal the bottom.)

Boring TB-3 was drilled inside the holder's footprint and, like the No. 1 holder, encountered a possible floor, here made of concrete and just 8 feet below grade.



Figure 7.4 Former No. 2 gas holder.

Test pit TP-15 uncovered the brick foundation walls, still apparently intact. Test pit TP-16, excavated inside the holder, revealed very coarse fill materials (sand and gravel, bricks, boards, etc.). Given the nature of the materials used to fill the holder foundation, it is uncertain that the floor inferred from boring TB-3 was anything other than a slab of concrete fill. None of the test pits or borings noted perched or mounded water, so it is unlikely that the holder foundation is well sealed. The log of TB-3 does note what appears to be native silt beginning at 12 feet bgs; therefore, the holder foundation is not believed to penetrate the sand and gravel unit.

⁵ This inventory is included, along with site historical photographs, on the Electronic attachments CD.