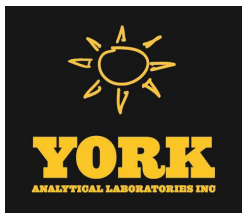


**APPENDIX R**

Construction Wastewater  
Liquid Waste Characterization  
Analytical Sampling Data



# Technical Report

prepared for:

**SCE Environmental Group, Inc.**  
1380 Mt. Cobb Road  
Lake Ariel PA, 18436  
**Attention: Nate Butler**

Report Date: 12/04/2015  
**Client Project ID: 15-004**  
York Project (SDG) No.: 15L0086

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 12/04/2015  
Client Project ID: 15-004  
York Project (SDG) No.: 15L0086

**SCE Environmental Group, Inc.**  
1380 Mt. Cobb Road  
Lake Ariel PA, 18436  
Attention: Nate Butler

## Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 02, 2015 and listed below. The project was identified as your project: **15-004**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15L0086-01	Oily Water from courtyard (Water Phase)	Waste Water	12/02/2015	12/02/2015
15L0086-02	Oily Water from courtyard (Oil Phase)	Oil	12/02/2015	12/02/2015

## General Notes for York Project (SDG) No.: 15L0086

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia  
Laboratory Director

Date: 12/04/2015





## Sample Information

**Client Sample ID:** Oily Water from courtyard (Water Phase)

**York Sample ID:** 15L0086-01

York Project (SDG) No.

15L0086

Client Project ID

15-004

Matrix

Waste Water

Collection Date/Time

December 2, 2015 11:00 am

Date Received

12/02/2015

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
72-55-9	4,4'-DDE	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
50-29-3	4,4'-DDT	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
309-00-2	Aldrin	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
319-84-6	alpha-BHC	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
5103-71-9	alpha-Chlordane	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
319-85-7	beta-BHC	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
57-74-9	Chlordane, total	ND		ug/L	0.400	0.400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
319-86-8	delta-BHC	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
60-57-1	Dieldrin	ND		ug/L	0.0200	0.0200	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
959-98-8	Endosulfan I	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
33213-65-9	Endosulfan II	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
1031-07-8	Endosulfan sulfate	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
72-20-8	Endrin	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
7421-93-4	Endrin aldehyde	ND		ug/L	0.100	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
53494-70-5	Endrin ketone	ND		ug/L	0.100	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
5566-34-7	gamma-Chlordane	ND		ug/L	0.100	0.100	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
76-44-8	Heptachlor	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
1024-57-3	Heptachlor epoxide	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC
72-43-5	Methoxychlor	ND		ug/L	0.0400	0.0400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP	12/03/2015 04:25	12/03/2015 17:12	AMC



## Sample Information

**Client Sample ID:** Oily Water from courtyard (Water Phase)

**York Sample ID:** 15L0086-01

**York Project (SDG) No.**

15L0086

**Client Project ID**

15-004

**Matrix**

Waste Water

**Collection Date/Time**

December 2, 2015 11:00 am

**Date Received**

12/02/2015

### Pesticides, 8081 target list

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		ug/L	1.00	1.00	1	EPA 8081B	12/03/2015 04:25	12/03/2015 17:12	AMC
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.4 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	31.9 %			30-120						

Certifications: CTDOH,NELAC-NY10854,NJDEP

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.500	0.500	1	EPA 8082A	12/03/2015 04:25	12/04/2015 11:19	AMC
		Certifications: NELAC-NY10854,CTDOH,NJDEP									
11104-28-2	Aroclor 1221	ND		ug/L	0.500	0.500	1	EPA 8082A	12/03/2015 04:25	12/04/2015 11:19	AMC
		Certifications: NELAC-NY10854,CTDOH,NJDEP									
11141-16-5	Aroclor 1232	ND		ug/L	0.500	0.500	1	EPA 8082A	12/03/2015 04:25	12/04/2015 11:19	AMC
		Certifications: NELAC-NY10854,CTDOH,NJDEP									
53469-21-9	Aroclor 1242	ND		ug/L	0.500	0.500	1	EPA 8082A	12/03/2015 04:25	12/04/2015 11:19	AMC
		Certifications: NELAC-NY10854,CTDOH,NJDEP									
12672-29-6	Aroclor 1248	ND		ug/L	0.500	0.500	1	EPA 8082A	12/03/2015 04:25	12/04/2015 11:19	AMC
		Certifications: NELAC-NY10854,CTDOH,NJDEP									
11097-69-1	Aroclor 1254	ND		ug/L	0.500	0.500	1	EPA 8082A	12/03/2015 04:25	12/04/2015 11:19	AMC
		Certifications: NELAC-NY10854,CTDOH,NJDEP									
11096-82-5	Aroclor 1260	ND		ug/L	0.500	0.500	1	EPA 8082A	12/03/2015 04:25	12/04/2015 11:19	AMC
		Certifications: NELAC-NY10854,CTDOH,NJDEP									
1336-36-3	* Total PCBs	ND		ug/L	0.500	0.500	1	EPA 8082A	12/03/2015 04:25	12/04/2015 11:19	AMC
		Certifications:									
Surrogate Recoveries		Result			Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.8 %			30-120						
2051-24-3	Surrogate: Decachlorobiphenyl	49.8 %			30-120						

### Herbicides, Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	5.00	1	EPA 8151A	12/03/2015 04:06	12/03/2015 14:58	SA
		Certifications: CTDOH,NELAC-NY10854,NJDEP									
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	5.00	1	EPA 8151A	12/03/2015 04:06	12/03/2015 14:58	SA
		Certifications: CTDOH,NELAC-NY10854,NJDEP									
94-75-7	2,4-D	ND		ug/L	5.00	5.00	1	EPA 8151A	12/03/2015 04:06	12/03/2015 14:58	SA
		Certifications: CTDOH,NELAC-NY10854,NJDEP									
Surrogate Recoveries		Result			Acceptance Range						



## Sample Information

**Client Sample ID:** Oily Water from courtyard (Water Phase)

**York Sample ID:** 15L0086-01

York Project (SDG) No.

15L0086

Client Project ID

15-004

Matrix

Waste Water

Collection Date/Time

December 2, 2015 11:00 am

Date Received

12/02/2015

### Herbicides, Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	112 %			30-150						

### Sulfur by EPA 6010

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7704-34-9	* Sulfur	ND		mg/L	1.00	2.00	1	EPA 6010C Certifications:	12/03/2015 08:47	12/03/2015 11:33	ALD

### Flashpoint

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Flashpoint	> 200		°F	50.0	50.0	1	ASTM D93 Certifications:	12/03/2015 11:13	12/03/2015 16:45	KK

## Sample Information

**Client Sample ID:** Oily Water from courtyard (Oil Phase)

**York Sample ID:** 15L0086-02

York Project (SDG) No.

15L0086

Client Project ID

15-004

Matrix

Oil

Collection Date/Time

December 2, 2015 11:00 am

Date Received

12/02/2015

### Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	* 4,4'-DDD	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
72-55-9	* 4,4'-DDE	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
50-29-3	* 4,4'-DDT	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
309-00-2	* Aldrin	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
319-84-6	* alpha-BHC	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
5103-71-9	* alpha-Chlordane	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC



## Sample Information

**Client Sample ID:** Oily Water from courtyard (Oil Phase)

**York Sample ID:** 15L0086-02

**York Project (SDG) No.**

15L0086

**Client Project ID**

15-004

**Matrix**

Oil

**Collection Date/Time**

December 2, 2015 11:00 am

**Date Received**

12/02/2015

### Pesticides, 8081 target list

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
319-85-7	* beta-BHC	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
319-86-8	* delta-BHC	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
60-57-1	* Dieldrin	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
959-98-8	* Endosulfan I	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
33213-65-9	* Endosulfan II	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
1031-07-8	* Endosulfan sulfate	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
72-20-8	* Endrin	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
7421-93-4	* Endrin aldehyde	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
53494-70-5	* Endrin ketone	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
58-89-9	* gamma-BHC (Lindane)	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
5566-34-7	* gamma-Chlordane	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
76-44-8	* Heptachlor	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
1024-57-3	* Heptachlor epoxide	ND		ug/kg	500	500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
72-43-5	* Methoxychlor	ND		ug/kg	2500	2500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
8001-35-2	* Toxaphene	ND		ug/kg	2500	2500	5	EPA 8081B Certifications:	12/03/2015 10:49	12/03/2015 12:20	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	73.0 %	30-150								
2051-24-3	Surrogate: Decachlorobiphenyl	83.0 %	30-150								

### Polychlorinated Biphenyls (PCB)

### Log-in Notes:

### Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg	0.992	4.96	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	12/03/2015 09:51	12/03/2015 11:02	AMC
11104-28-2	Aroclor 1221	ND		mg/kg	0.992	4.96	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	12/03/2015 09:51	12/03/2015 11:02	AMC



## Sample Information

**Client Sample ID:** Oily Water from courtyard (Oil Phase)

**York Sample ID:** 15L0086-02

**York Project (SDG) No.**

15L0086

**Client Project ID**

15-004

**Matrix**

Oil

**Collection Date/Time**

December 2, 2015 11:00 am

**Date Received**

12/02/2015

### Polychlorinated Biphenyls (PCB)

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11141-16-5	Aroclor 1232	ND		mg/kg	0.992	4.96	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	12/03/2015 09:51	12/03/2015 11:02	AMC
53469-21-9	Aroclor 1242	ND		mg/kg	0.992	4.96	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	12/03/2015 09:51	12/03/2015 11:02	AMC
12672-29-6	Aroclor 1248	ND		mg/kg	0.992	4.96	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	12/03/2015 09:51	12/03/2015 11:02	AMC
11097-69-1	Aroclor 1254	ND		mg/kg	0.992	4.96	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	12/03/2015 09:51	12/03/2015 11:02	AMC
11096-82-5	Aroclor 1260	ND		mg/kg	0.992	4.96	1	EPA 8082A Certifications: CTDOH,NELAC-NY10854	12/03/2015 09:51	12/03/2015 11:02	AMC
1336-36-3	* Total PCBs	ND		mg/kg	0.992	4.96	1	EPA 8082A Certifications:	12/03/2015 09:51	12/03/2015 11:02	AMC
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
877-09-8	Surrogate: Tetrachloro-m-xylene	69.5 %	30-150								
2051-24-3	Surrogate: Decachlorobiphenyl	81.5 %	30-150								

### Herbicides, Target List

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Waste Dilution

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	* 2,4,5-T	ND		ug/kg	3000	5000	1	EPA 8151A Certifications:	12/03/2015 11:06	12/04/2015 13:42	SA
93-72-1	* 2,4,5-TP (Silvex)	ND		ug/kg	3250	5000	1	EPA 8151A Certifications:	12/03/2015 11:06	12/04/2015 13:42	SA
94-75-7	* 2,4-D	ND		ug/kg	3600	5000	1	EPA 8151A Certifications:	12/03/2015 11:06	12/04/2015 13:42	SA
<b>Surrogate Recoveries</b>		<b>Result</b>	<b>Acceptance Range</b>								
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	95.6 %	5.5-148								

### Flashpoint

#### Log-in Notes:

#### Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Flashpoint	105		°F	50.0	50.0	1	EPA 1010A Certifications: NELAC-NY10854,NJDEP	12/03/2015 11:12	12/03/2015 13:14	KK

**Analyzed by:** Sterling Analytical, Inc. (SUB)

### Sulfur

#### Log-in Notes:

#### Sample Notes:





Sample Information

<b>Client Sample ID:</b> Oily Water from courtyard (Oil Phase)			<b>York Sample ID:</b> 15L0086-02		
<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>	
15L0086	15-004	Oil	December 2, 2015 11:00 am	12/02/2015	

Analyzed by: Sterling Analytical, Inc. (SUB)

Sample Prepared by Method: \*\*\* DEFAULT PREP \*\*\*

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
						LOQ					
7704-34-9	Sulfur	ND		%	0.1	0.1	1	ASTM D1552	12/04/2015 00:00	12/04/2015 00:00	STERL
Certifications:											



## Notes and Definitions

F-01 > 200

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*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias ) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

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Corrective Action: Biphasic sample received for analysis. Sample was split into oil and water phases for separate analysis of requested parameters.



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# Field Chain-of-Custody Record

Page 1 of 1

**NOTE:** York's Std. Terms & Conditions are listed on the back side of this document.  
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15L0086

YOUR Information		Report To:	Invoice To:	YOUR Project ID		Turn-Around Time	Report Type						
Company: <u>SC Environmental</u>	Company:	Company:	Company:	<u>15-004</u>		<input checked="" type="checkbox"/> RUSH - Same Day	<input checked="" type="checkbox"/> Summary Report						
Address: <u>1380 Mount Cobb Road</u>	Address:	Address:	Address:	Purchase Order No.		<input type="checkbox"/> RUSH - Next Day	<input type="checkbox"/> Summary w/ QA Summary						
Phone No. <u>(570) 383-4151</u>	Phone No.	Phone No.	Phone No.			<input type="checkbox"/> RUSH - Two Day	<input type="checkbox"/> CT RCP Package						
Contact Person: <u>Nate Butler</u>	Attention:	Attention:	Attention:			<input type="checkbox"/> RUSH - Three Day	<input type="checkbox"/> CTRCP DQA/DUE Pkg						
E-Mail Address: <u>Nbutler@scenv.com</u>	E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT <input type="checkbox"/> NY <input checked="" type="checkbox"/> NJ		<input checked="" type="checkbox"/> Standard (5-7 Days)	<input type="checkbox"/> NY ASP A Package						
<b>Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.</b>				Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.		
				8260 full TICs 624 Site Spec. STARS list Nassau Co. BTX Suffolk Co. MTBE Ketones TCL list Oxygenates TAGM list TCLP list CT RCP list 524.2 Arom. only 502.2 Halog. only NJDEP list App. IX SPL or TCLP 8021B list		8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NJDEP list App. IX SPL or TCLP ICLP BNA SPL or TCLP		8082 PCB 8081 Pest 8151 Herb CT RCP App. IX Site Spec. SPL or TCLP Total Dissolved SPL or TCLP Chlordane 608 Pest 608 PCB		RCRA 8 PP13 list TAL CT ET PH CT 15 list TAGM list NJDEP list Air TO 14A Air TO 15 Air STARS Air VPH Air TICs Methane Helium		TPH GRO TPH DRO CT ET PH NY 310-13 TPH 1664 Air TO 14A Air TO 15 Air STARS Air VPH Air TICs Methane Helium	
Samples Collected/Authorized By (Signature) <u>Aaron Paradise</u> Name (printed)				Matrix Codes S - soil Other - specify (oil, etc.) WW - wastewater GW - groundwater DW - drinking water Air-A - ambient air Air-SV - soil vapor									
Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below						Container Description(s)				
GT-3B	12/1/2015, 1725	solid gel	Clean Earth of North Jersey requirements *						6 - 8oz. clear glass				
Oily water from courtyard	12/2/2015, 1100	WW	flashpoint, sulfur, PCB's, pesticides, herbicides						1 - 32oz clear glass				
			* Same testing as all previous solids from Paragon Paint, Job # 15-004										
			* Rush Same day turnaround for *										
			Oily Water only. Standard TA for solid gel										
Comments Please email results to Nbutler@scenv.com			Preservation Check those Applicable		4°C		Frozen	HCl	MeOH	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	
			Special Instructions Field Filtered <input type="checkbox"/> Lab to Filter <input type="checkbox"/>		ZnAc		Ascorbic Acid		Other				
			Samples Relinquished By		Date/Time		Samples Received By		Date/Time		Temperature on Receipt		
			Samples Relinquished By		Date/Time		Samples Received By		Date/Time		39 °C		