GCA1704

GCA1704

NYSCEF DOC. NO. 51

INDEX NO. 608051/2022

RECEIVED NYSCEF: 06/14/2022

Serial\_No:02011815:33

Page G-46 Lab Number: Page B-46

**Report Date:** 02/01/18

MDL

Method Blank Analysis Batch Quality Control

Result

Analytical Method: 1,8270D Analytical Date: 01/29/18 10:30

Analyst: RC

**Parameter** 

Project Name:

**Project Number:** 

Extraction Metho	od: EPA 3546
Extraction Date:	01/28/18 12:47

ai aiiiotoi					
emivolatile Organics by GC/I	MS - Westborough Lab f	or sample(s):	01-02	Batch:	WG1084531-1
Acenaphthene	ND	ug/kg	130		17.
Fluoranthene	ND	ug/kg	98		19.
Benzo(a)anthracene	ND .	ug/kg	98		18.
Benzo(a)pyrene	ND	ug/kg	130		40.
Benzo(b)fluoranthene	ND	ug/kg	98		28.
Benzo(k)fluoranthene	ND	ug/kg	98		26.
Chrysene	ND	ug/kg	98		17.
Anthracene	ND	ug/kg	98		32.
Benzo(ghi)perylene	ND	ug/kg	130		19.
Fluorene	ND	ug/kg	160		16.
Phenanthrene	ND	ug/kg	98		20.
Dibenzo(a,h)anthracene	ND	ug/kg	98		19.
Indeno(1,2,3-cd)pyrene	ND	ug/kg	130		23.
Pyrene	ND	ug/kg	98		16.
ntatively Identified Compounds					
al TIC Compounds	178	J ug/kǫ	9		
known Alkane	178	J ug/ko	3		

Qualifier

Units

RL



COUNTY 06/14/2022 CLERK

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Serial\_No:02011815:33

Page G-47 L1802820 Lab Number:

**Report Date:** 

02/01/18

**Method Blank Analysis Batch Quality Control** 

Analytical Method:

Project Name:

**Project Number:** 

1,8270D

GCA1704

GCA1704

Extraction Method: EPA 3546

Analytical Date:

01/29/18 10:30

**Extraction Date:** 

01/28/18 12:47

Analyst: RC

> Result Qualifier Units MDL **Parameter** RL

Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1084531-1

**Acceptance** Criteria Surrogate %Recovery Qualifier 2-Fluorophenol 81 25-120 10-120 Phenol-d6 86 Nitrobenzene-d5 90 23-120 2-Fluorobiphenyl 84 30-120 2,4,6-Tribromophenol 90 10-136 4-Terphenyl-d14 90 18-120

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	4-Terphenyl-d14			16		1/8		18-120
	2-Fluorobiphenyl 2,4,6-Tribromophenol			98 98		76 18		30-150 10-136
	ditrobenzene-d5			88		88		53-150
	2-Fluorophenol Phenol-d6			78 78		18 48		10-150 52-150
					man		mnn	
	Surrogate			%цесолеці ГСЗ	leu <b>D</b>	%Цесолеіл ГСЗD	Gual	Acceptance Criteria
əuə.		06	<b>†</b> 8		32-145	L		20
eno(1,2,3-cd)	pyrene	68	28		071-07	8		20
enzo(a,h)ant	лгасепе	68	<del>7</del> 8		071-07	9		09
enanthrene		<b>L</b> 8	28		071-07	9		09
orene		88	83		071-07	9		90
əl <b>ү</b> nəq(idg)ozn	<del>0</del> u6	68	<del>7</del> 8		071-07	9		09
hracene		06	<del>7</del> 8		40-140	L		9
ıλzeue		68	28		40-140	8		90
nzo(k)fluorant	hene	06	<del>7</del> 8		071-07	L		09
nzo(b)fluorani -	əuəų:	16	92		40-140	L		90
uzo(a)pyrene		68	83		40-140	L		90
nzo(a)anthrac	eue	88	28		071-07	L		90
oranthene		06	92		071-07	9		09
eusphthene		98	08		31-137	L		20

Arameter SDL CSD Shecovery Qual Limits RPD Qual Limits RPD Anal Limits

 Project Number:
 GCA1704

 Project Number:
 GCA1704

Lab Control Sample Analysis

Project Name: GCA1704

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## **METALS**



NYSCEF DOC. NO. 51

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RECEIVED NYSCEF: 06/14/2022

Serial\_No:02011815:33

Project Name: GCA1704 Lab Number: L1802820 Page G-50

Project Number: GCA1704 Report Date: 02/01/18

SAMPLE RESULTS

Lab ID: L1802820-01 Date Collected: 01/25/18 09:50

Client ID:SD-20Date Received:01/25/18Sample Location:ST. JAMES, NYField Prep:Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 69%

Percent Solids:	69%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Man	sfield Lab										
Arsenic, Total	10.8		mg/kg	0.559	0.116	1_	01/31/18 20:24	02/01/18 10:21	EPA 3050B	1,6010C	LC
Barium, Total	165		mg/kg	0.559	0.097	1	01/31/18 20:24	02/01/18 10:21	EPA 3050B	1,6010C	LC
Beryllium, Total_	0.106	J	mg/kg	0.280	0.018	, <u>1</u>	01/31/18 20:24	02/01/18 10:21	EPA 3050B	_1,6010C	_ LC
Cadmium, Total	19.5		mg/kg	0.559	0.055	1	01/31/18 20:24	02/01/18 10:21	EPA 3050B	1,6010C	LC
Chromium, Total	90.3		mg/kg	0.559	0.054	11	01/31/18 20:24	02/01/18 10:21	EPA 3050B	1,6010C	_ LC
Copper, Total	367		mg/kg	0.559	0.144	1	01/31/18 20:24	02/01/18 10:21	EPA 3050B	1,6010C	Lc
Lead, Total	1240		mg/kg	2.80	0.150	1	01/31/18 20:24	02/01/18 10:21	EPA 3050B	1,6010C	_ LC
Mercury, Total	0.17		mg/kg	0.09	0.02	1_	01/27/18 09:30	01/29/18 15:44	EPA 7471B	1,7471B	_ EA
Nickel, Total	68.6		mg/kg	1.40	0.135	1	01/31/18 20:24	02/01/18 10:21	EPA 3050B	1,6010C	LC
Silver, Total	0.475	J	mg/kg	0.559	0.158	1	01/31/18 20:24	02/01/18 10:21	EPA 3050B	1,6010C	LC



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Serial\_No:02011815:33

Project Name: GCA1704 Lab Number: L1802820 Page G-51

Project Number: GCA1704 Report Date: 02/01/18

SAMPLE RESULTS

Lab ID: L1802820-02 Date Collected: 01/25/18 10:15

Client ID:SD-19Date Received:01/25/18Sample Location:ST. JAMES, NYField Prep:Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 46%

Percent Solids:	46%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Mans	sfield Lab										
Arsenic, Total	2.14		mg/kg	0.871	0.181	1.	01/31/18 20:24	02/01/18 10:39	EPA 3050B	1,6010C	. LC
Barium, Total	46.6		mg/kg	0.871	0.152	1	01/31/18 20:24	02/01/18 10:39	EPA 3050B	_1,6010C	LC
Beryllium, Total	0.226	J	mg/kg	0.436	0.029	1	01/31/18 20:24	02/01/18 10:39	EPA 3050B	1,6010C	_ LC
Cadmium, Total	1.20		mg/kg	0.871	0.085	1	01/31/18 20:24	02/01/18_10:39	EPA 3050B	1,6010C	LC
Chromium, Total	23.4		mg/kg	0.871	0.084	1	01/31/18 20:24	02/01/18 10:39	EPA 3050B	1,6010C	_ LC
Copper, Total	152		mg/kg	0.871	0.225	1	01/31/18 20:24	02/01/18 10:39	EPA 3050B	1,6010C	Lc
Lead, Total	66.5		mg/kg	4.36	0.233	1	01/31/18 20:24	02/01/18 10:39	EPA 3050B	1,6010C	LC
Mercury, Total	0.26		mg/kg	0.14	0.03	1	01/27/18 09:30	01/29/18 15:46	EPA 7471B	1,7471B	_ EA
Nickel, Total	10.7		mg/kg	2.18	0.211	_ 1	01/31/18 20:24	02/01/18 10:39	EPA 3050B	_1,6010C	LC
Silver, Total	ND		mg/kg	0.871	0.246	1	01/31/18 20:24	02/01/18 10:39	EPA 3050B	1,6010C	LC



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Serial\_No:02011815:33

01/30/18 18:05 01/31/18 21:45 EPA 3015

01/25/18 11:11

1,6010C

AΒ

Page G-52 **Project Name:** Lab Number: GCA1704 L1802820

**Project Number:** GCA1704 **Report Date:** 02/01/18

**SAMPLE RESULTS** 

Lab ID: L1802820-03 Date Collected: Client ID: 11SLP

mg/l

0.500

Date Received: 01/25/18 Sample Location: ST. JAMES, NY Field Prep: Not Specified TCLP/SPLP Ext. Date: 01/26/18 17:48

Sample Depth:

Lead, TCLP

Matrix: Soil

ND

Prep Method Analytical Method Dilution Date Date Factor Prepared Analyzed Parameter Result Qualifier Units RL MDL Analyst TCLP Metals by EPA 1311 - Mansfield Lab

0.027



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Serial\_No:02011815:33

Project Name: GCA1704 Lab Number: L1802820 Page G-53

Project Number: GCA1704 Report Date: 02/01/18

SAMPLE RESULTS

Lab ID: L1802820-04 Date Collected: 01/25/18 11:35

Client ID:7STDate Received:01/25/18Sample Location:ST. JAMES, NYField Prep:Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 01/26/18 17:48

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by I	EPA 1311 -	Mansfield Lal	b								
Lead, TCLP	ND	ı	mg/l	0.500	0.027	1	01/30/18 18:0	5 01/31/18 21:58	EPA 3015	1,6010C	AB
Mercury, TCLP	ND	ı	mg/l	0.0010	0.0003	1	01/30/18 10:2	4 01/30/18 21:46	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND	ı	mg/l	0.500	0.035	1	01/30/18 18:0	5 01/31/18 21:58	EPA 3015	1,6010C	AB
Silver, TCLP	ND	ı	mg/l	0.100	0.028	1	01/30/18 18:0	5 01/31/18 21:58	EPA 3015	1,6010C	AB



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INDEX NO. 608051/2022

RECEIVED NYSCEF: 06/14/2022

Serial\_No:02011815:33

Project Name: GCA1704 Lab Number: L1802820 Page G-54

Project Number: GCA1704 Report Date: 02/01/18

SAMPLE RESULTS

 Lab ID:
 L1802820-05
 Date Collected:
 01/25/18 11:50

 Client ID:
 12PLP1
 Date Received:
 01/25/18

Sample Location: ST. JAMES, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 01/26/18 17:48

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by El	PA 1311 -	Mansfield	Lab								
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	01/30/18 18:0	5 01/31/18 22:06	EPA 3015	1,6010C	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/30/18 18:0	5 01/31/18 22:06	EPA 3015	1,6010C	AB
Lead, TCLP	0.039	J	mg/l	0.500	0.027	1	01/30/18 18:0	5 01/31/18 22:06	EPA 3015	1,6010C	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	01/30/18 10:24	1 01/30/18 21:48	EPA 7470A	1,7470A	EA



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Project Name: GCA1704 Lab Number: L1802820 Page G-55

Project Number: GCA1704 Report Date: 02/01/18

SAMPLE RESULTS

Lab ID: L1802820-06

Client ID: 12ST

Sample Location: ST. JAMES, NY

Sample Depth:

Matrix: Soil

Date Collected: 01/25/18 12:00

Date Received: 01/25/18
Field Prep: Not Specified

TCLP/SPLP Ext. Date: 01/26/18 17:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by E	PA 1311 -	Mansfield I	_ab								
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/30/18 18:0	5 01/31/18 22:11	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/30/18 18:0	5 01/31/18 22:11	EPA 3015	1,6010C	AB



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Project Name: GCA1704 Lab Number: L1802820 Page G-56

Project Number: GCA1704 Report Date: 02/01/18

**SAMPLE RESULTS** 

Lab ID: L1802820-07

Client ID: 11ST Sample Location: ST. JAMES, NY

Sample Depth:

Matrix: Soil

Date Collected: 01/25/18 14:30
Date Received: 01/25/18

Date Received: 01/25/18
Field Prep: Not Specified

TCLP/SPLP Ext. Date: 01/26/18 17:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EP	A 1311 -	Mansfield L	.ab								
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/30/18 18:0	5 01/31/18 22:15	EPA 3015	1,6010C	AB



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Project Name: GCA1704 Lab Number: L1802820 Page G-57

Project Number: GCA1704 Report Date: 02/01/18

SAMPLE RESULTS

Lab ID: L1802820-08
Client ID: CP001

Sample Location: ST. JAMES, NY

Sample Depth:

Matrix: Soil

Date Collected: 01/25/18 13:30
Date Received: 01/25/18

Field Prep: Not Specified TCLP/SPLP Ext. Date: 01/26/18 17:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EP	A 1311 -	Mansfield L	.ab								
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/30/18 18:05	5 01/31/18 22:19	EPA 3015	1,6010C	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	01/30/18 18:05	5 01/31/18 22:19	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/30/18 18:05	5 01/31/18 22:19	EPA 3015	1,6010C	AB



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Project Name: GCA1704 Lab Number: L1802820 Page G-58

Project Number: GCA1704 Report Date: 02/01/18

SAMPLE RESULTS

Lab ID: L1802820-09
Client ID: CP002

Sample Location: ST. JAMES, NY

Sample Depth:

Matrix: Soil

Date Collected: 01/25/18 13:40
Date Received: 01/25/18
Field Prep: Not Specified

TCLP/SPLP Ext. Date: 01/26/18 17:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EP	A 1311 -	Mansfield L	_ab								
Chromium, TCLP	ND		mg/l	0.200	0.021	1	01/30/18 18:0	5 01/31/18 22:23	EPA 3015	1,6010C	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	01/30/18 18:0	5 01/31/18 22:23	EPA 3015	1,6010C	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	01/30/18 18:0	5 01/31/18 22:23	EPA 3015	1,6010C	AB



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Project Name: GCA1704 Lab Number: L1802820 Page G-59

Project Number: GCA1704 Report Date: 02/01/18

SAMPLE RESULTS

 Lab ID:
 L1802820-10
 Date Collected:
 01/25/18 13:50

 Client ID:
 CP010
 Date Received:
 01/25/18

Sample Location: ST. JAMES, NY Field Prep: Not Specified

Sample Depth: TCLP/SPLP Ext. Date: 01/26/18 17:48

Matrix: Soil

Prep Method Analytical Method Dilution Date Date Factor Prepared Analyzed Parameter Result Qualifier Units RL MDL Analyst TCLP Metals by EPA 1311 - Mansfield Lab Lead, TCLP ND 1,6010C mg/l 0.500 0.027 01/30/18 18:05 01/31/18 22:28 EPA 3015 AΒ



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Project Name: GCA1704
Project Number: GCA1704

Lab Number:

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Report Date:

02/01/18

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytica Method	
Total Metals - Man	sfield Lab for sample(s):	01-02 B	atch: W	/G10843	41-1				
Mercury, Total	ND	mg/kg	0.08	0.02	1	01/27/18 09:30	01/29/18 14:54	1,7471B	EA
	_	Dimention	•	formatic					

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	
TCLP Metals by EPA 13	11 - Mansfield Lab	for sample	e(s): 04-6	05 Bat	ch: WG108	34999-1			
Mercury, TCLP	ND	mg/l	0.0010	0.0003	1	01/30/18 10:24	01/30/18 21:24	1,7470 <b>A</b>	EA

## **Prep Information**

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 01/26/18 17:48

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	l Analyst
TCLP Metals by EPA	1311 - Mansfield Lab	for sample	e(s): 03-	10 Ba	tch: WG10	85163-1			
Cadmium, TCLP	ND	mg/l	0.100	0.010	1	01/30/18 18:05	01/31/18 21:06	1,6010C	AB
Chromium, TCLP	ND	mg/l	0.200	0.021	1	01/30/18 18:05	01/31/18 21:06	1,6010C	AB
Lead, TCLP	ND	mg/l	0.500	0.027	1	01/30/18 18:05	01/31/18 21:06	1,6010C	AB
Selenium, TCLP	ND	mg/l	0.500	0.035	1	01/30/18 18:05	01/31/18 21:06	1,6010C	AB
Silver, TCLP	ND	mg/l	0.100	0.028	1	01/30/18 18:05	01/31/18 21:06	1,6010C	AB

## **Prep Information**

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 01/26/18 17:48

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield	d Lab for sample(s):	01-02 B	atch: W	G10855	76-1				
Arsenic, Total	ND	mg/kg	0.400	0.083	1	01/31/18 20:24	02/01/18 10:11	1,6010C	LC
Barium, Total	ND	mg/kg	0.400	0.070	1	01/31/18 20:24	02/01/18 10:11	1,6010C	LC



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Serial\_No:02011815:33

Project Name: GCA1704 Lab Number: L1802820Page G-61

Project Number: GCA1704 Report Date: 02/01/18

## Method Blank Analysis Batch Quality Control

Beryllium, Total	ND	mg/kg	0.200	0.013	1	01/31/18 20:24	02/01/18 10:11	1,6010C	LC
Cadmium, Total	ND	mg/kg	0.400	0.039	1	01/31/18 20:24	02/01/18 10:11	1,6010C	LC
Chromium, Total	ND	mg/kg	0.400	0.038	1	01/31/18 20:24	02/01/18 10:11	1,6010C	LC
Copper, Total	ND	mg/kg	0.400	0.103	1	01/31/18 20:24	02/01/18 10:11	1,6010C	LC
Lead, Total	ND	mg/kg	2.00	0.107	1	01/31/18 20:24	02/01/18 10:11	1,6010C	LC
Nickel, Total	ND	mg/kg	1.00	0.097	1	01/31/18 20:24	02/01/18 10:11	1,6010C	LC
Silver, Total	ND	mg/kg	0.400	0.113	1	01/31/18 20:24	02/01/18 10:11	1,6010C	LC

**Prep Information** 

Digestion Method: EPA 3050B



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RECEIVED NYSCEF: 06/14/2022

4.4**6.1**0

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RPD Limits	Qual	QqA	Limits	%Recovery Qual	«Recovery Qual	Parameter
			l: D098-640	84341-2 SRM Lot Numbe	d sample(s): 01-02 Batch: WG10	Total Metals - Mansfield Lab Associate
		-	6 <b>7</b> 1-09	-	601	Mercury, Total
				Batch: WG1084999-2	Lab Associated sample(s): 04-05	TCLP Metals by EPA 1311 - Mansfield
		•	80-120		86	Mercury, TCLP
				Batch: WG1085163-2	Lab Associated sample(s): 03-10	TCLP Metals by EPA 1311 - Mansfield
50		-	72-122		<del>7</del> 6	Cadmium, TCLP
50		•	75-125		86	Chromium, TCLP
50		-	72-122	-	96	Lead, TCLP
50		-	72-122	-	66	Selenium, TCLP
50		-	75-125	-	06	Silver, TCLP

CC2D

Lab Control Sample Analysis

Batch Quality Control

SOT

GCA1704

GCA1704

Project Number: Project Name:

**%Весо**легу

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Serial No:02011815:33

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L1802820

Report Date:

Lab Number:

FILED: SUFFOLK COUNTY CLERK 06/14/2022

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-	80-120	•	100	Silver, Total
	85-117		86	Nickel, Total
•	85-117		<b>7</b> 6	Lead, Total
	911-48		66	Copper, Total
-	83-119	-	66	Chromium, Total
•	85-117	•	16	Cadmium, Total
-	83-117	-	96	Beryllium, Total
-	82-118	-	<b>9</b> 6	Banum, Total
-	83-117	-	66	Arsenic, Total

Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1085576-2 SRM Lot Number: D098-540

stimiJ QqA	GPD	Limits	<b>%</b> Весолегу	%Весолегу	Parameter
		<b>%Весо</b> легу	CCD	FCS	

Report Date: 05/01/18 Project Number: GCA1704 L1802820 гар Иитрек:

Project Name: GCA1704 Lab Control Sample Analysis
Batch Quality Control

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L1802820 Lab Mumber: Matrix Spike Analysis Batch Quality Control

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Project Number: Project Name: GCA1704

Report Date: 81/10/20 GCA1704

20 Sample 20 Story Sample 20 Story 20 S	ис Client ID:	80-120 80-120	QC Sample: L' QC Sample: L' QC Sample: L' -	MG1082183-3 MG10843636-3 NG1084341-4	79 a	02.0 74-0.0 74-0.0 74-0.0 74-0.0 74-0.0	6:1:0 <b>mse bəisioo</b> : 6:0:0	oro <b>82A da Lab Asah</b> an	Total Metals - Mansfield Lab A Mercury, Total  TCLP Metals by EPA 1311 - M Mercury, TCLP  TCLP Metals by EPA 1311 - M Cadmium, TCLP Chromium, TCLP
20 Sample 20 Solumble 20 Scomple	:Client ID:	1802710-01 80-120 1802760-01	QC Sample: Li	- NG108 <del>1</del> 666-3	QC Batch ID: V 99 QC Batch ID: V	20-40: (3)=10qr 0.0247 01-50: (3)=10 0743	ociated sam 0.025 ociated sam 12.0	esA dal bleitansN av esA dal bleitansN	TCLP Metals by EPA 1311 - Mercury, TCLP TCLP Metals by EPA 1311 - M
20 Sample 20 20 20 20 20 20 20 20 20 20 20 20 20	•	80-120 980-120	•		99 QC Batch ID: <i>V</i>	7,50.0 01- <b>50</b> :( <b>5)-idr</b> 674.0	eso.o m <b>as bətaiso</b> o ra.o	an Asansfield Lab Ass An	Mercury, TCLP TCLP Metals by EPA 1311 - M Cadmium, TCLP
20 Sample 20 20 20 20 20 20 20 20 20 20 20 20 20	- Client ID: -	1 <b>802760-01</b>	QC Sample: L'I	NG1082183-3	QC Batch ID: V	01-60 : (a)-iqr	mas bətsioo: rz.o	Ash dab bisinsh an	TCLP Metals by EPA 1311 - N
50 50 50 50	:Client ID:	921-94	QC Sample: L1 - -	NG1082163-3	86	674,0	19.0	ПD	Cadmium, TCLP
20 50 50	-					674,0	19.0	ПD	Cadmium, TCLP
50		72-152	•	•	36	30 +	2	ND	Chromium, TCLP
50	-					1.85			
	-	72-152	-	-	100	60.3	1.2	L97S.0	Lead, TCLP
50	-	72-125	-	-	100	1.20	2.1	ΔN	Selenium, TCLP
	-	72-172	-	-	68	744.0	6.0	ΔN	Silver, TCLP
	50	-GS :GI tneilC	) 10-0282081.	QC Sample: L	NG1082276-3	QC Batch ID: /	S0-10:(a)e	ssociated sample	A dsJ bleitansM - alsteM lstoT
50	-	72-125	-	-	<b>508</b> Ø	0.85	13.1	8.01	Arsenic, Total
50	-	12-152	-	-	901	368	218	165.	Barium, Total
50	-	72-125	-	-	06	68.4	97'9	Laor.0	Beryllium, Total
50	-	72-125	-	-	<b>552</b> Ø	32.0	95.5	19.5	Cadmium, Total
50		75-125	-	-	D 67	101	8.12	8.09	Chromium, Total
50	-	<u> 1</u> 2-152	-	-	D 0	342	2.72	.738	Copper, Total
50	-	72-172	-	-	D 072	1390	9.53	1540	Lead, Total
50	-	72-152	-	-	15e o	137	6.43	9.89	Nickel, Total
50		72-172			66	32.3	7.28	L274.0	Silver, Total
ll.									

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Kire <u>IL</u>						Page 42 of 55
E.						
50		ИС	бҗ/бш	Leo⊅.0	L374.0	Silver, Total
50		L	бя/бш	73.9	9.89	Nickel, Total
50		Ħ	бу/бш	0111	1540	Lead, Total
50	Ö	72 (	ша\ка	586	.798	Copper, Total
50	ď	917	бу/6ш	<i>1</i> .85	£.06	Chromium, Total
50		15	бу/6ш	8.91	3.91	Cadmium, Total
50		ИС	бу/6ш	U+11.0	Lao1.0	Beryllium, Total
50		8	ша/ка	125	.65.	Barium, Total
50		12	ша\ка	12.6	8.01	Arsenic, Total
	-20	Client ID: SD-	L1802820-01	WG1085576-4 QC Sample:	ole(s): 01-02 QC Batch ID: '	qmss betalossA dad bleifenaM - alsted samp
50		ИС	ı/ɓw	αN	ΟN	Silver, TCLP
50		ИС	ı/ɓw	αN	QN	Selenium, TCLP
50		ИС	ı/6w	<u> </u>	L87 <u>S.</u> 0	Lead, TCLP
50		ИС	ı/ɓw	αN	ON	Chromium, TCLP
50		ИС	у/вш	αN	ON	PJST ,muimbs
DUP Sample	Client ID:	L1802760-01	QC Sample:	OC Batch ID: WG1085163-4	secciated sample(s): 03-10	TCLP Metals by EPA 1311 - Mansfield Lab As
50		NC	ı/6w	ΠD	ΩN	Mercury, TCLP
DUP Sample	Client ID:	L1802710-01	QC Sample:	2C Batch ID: WG1084999-4	sociated sample(s): 04-05	TCLP Metals by EPA 1311 - Mansfield Lab As
stimiJ (1	181 Ist	RPD Qu	stinU	Duplicate Sample	eldms2 evitsM	Parameter

Report Date: Project Number: GCA1704 05/01/18 Lab Duplicate Analysis
Batch Quality Control Project Name: L1802820 гэр Иитрег: GCA1704

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# INORGANICS & MISCELLANEOUS



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Project Name: GCA1704 Lab Number: L1802820 Page G-67

Project Number: GCA1704 Report Date: 02/01/18

**SAMPLE RESULTS** 

 Lab ID:
 L1802820-01
 Date Collected:
 01/25/18 09:50

 Client ID:
 SD-20
 Date Received:
 01/25/18

Sample Location: ST. JAMES, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry	- Westborough Lab									
Solids, Total	69.3		%	0.100	NA	1	-	01/26/18 14:54	121,2540G	RI



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Project Name: GCA1704 Lab Number: L1802820 Page G-68

Project Number: GCA1704 Report Date: 02/01/18

SAMPLE RESULTS

 Lab ID:
 L1802820-02
 Date Collected:
 01/25/18 10:15

 Client ID:
 SD-19
 Date Received:
 01/25/18

Sample Location: ST. JAMES, NY Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - V	Westborough Lat	)								
Solids, Total	45.7		%	0.100	NA	1	-	01/26/18 14:54	121,2540G	RI



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**KH-10** 

23 to 34 ags 9

Parameter Mative Sample Duplicate Sample Units PPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1084214-1 QC Sample: L1802760-01 Client ID: DUP Sample
Solids, Total

62.0 % 0.23 % 0.20

Project Number: GCA1704 Report Date: 02/01/18

Project Name: GCA1704 Batch Quality Control Lab Number: L1802820

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## \*Values in parentheses indicate holding time in days

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(*\əiəvlenA	nəzor∓ əmiT∖əts <b>ū</b>	1003	3040	qm9T O n <del>s</del> b	lsni7 Hq	lsitinl Ha	Molon		Container Info
(*)sisylanA	auu ong	Seal	Pres	ე ɓəp	لد. ر	Нd	Cooler	Container Type	Container ID
NA2NEEOFK-8560(14)		InesdA	Х	2,1		ΑN	A	Vial Large Septa unpreserved (4oz)	L1802820-01A
BE.TI(188),BS.763-181,189,BB.T.74(188),AG- TI(188),IT-UO,(081),IT-IV,(081),IT-AO,(081),IT-AO,(081),IT-OO,(182),T-OH,(081),IT		IneedA	Y	1.2		ΑN	A	bevieserqru zoS\Jm08 szslØ-vlnO alateM	L1802820-01B
TS(7),NYSUFFOLK-8270(14)		InesdA	γ	1.5		ΑN	A	Glass 120ml/4oz unpreserved	L1802820-01C
NA2NEEOFK-8560(14)		fneedA	γ	1.5		ΑN	٧	Jilqs bevreserq HOeM IsiV	L1802820-01X
NA20FFOLK-8260(14)	46:60 81-NAL-6S	fnesdA	γ	1.5		ΑN	A	Vial Water preserved split	L1802820-01Y
NA2NEFOLK-8260(14)	46:60 81-NAL-6S	fneedA	γ	1.2		ΑN	A	Vial Water preserved split	L1802820-01Z
NA2NEFOLK-8260(14)		tneadA	γ	1.5		ΑN	A	Vial Large Septa unpreserved (4oz)	L1802820-02A
BE.TI(180),NT.214(180),NT.214(180),CG- TI(180),CG-TI(180),NI.TI(180),CU.TI(180),PB- TI(180),HG-TI(28),CT(180)		InesdA	λ	1.5		AN	A	beviesergnu zoŚldm08 szal2-vlnO alateM	L1802820-02B
TS(7),NYSUFFOLK-8270(14)		Absent	γ	1.5		ΑN	A	Glass 120ml/4oz unpreserved	L1802820-02C
NA2NEFOLK-8260(14)		Apsent	λ	1.2		ΑN	٧	tilqs bevieseryq HOeM IsiV	L1802820-02X
NYSUFFOLK-8260(14)	46:60 81-NAL-6S	fnesdA	γ	1.5		ΑN	A	Vial Water preserved split	L1802820-02Y
NA2NEFOLK-8260(14)	46:60 81-NAL-62	fnesdA	Х	1.5		ΑN	٧	Vial Water preserved split	L1802820-02Z
		InesdA	λ	1.5		ΑN	A	Glass 250ml/8oz unpreserved	L1802820-03A
PB-CI(180)		tnəsdA	λ	1.2		ΑN	A	Plastic 120ml HNO3 preserved Extracts	L1802820-03X
		Absent	λ	1.2		ΑN	A	lesseV eldmuT	L1802820-03X9
		tnəsdA	Х	1.5		ΑN	A	Glass 250ml/8oz unpreserved	L1802820-04A
HG-C(28),PB-CI(180),SE-CI(180),AG-CI(180)		tneadA	λ	1.2		ΑN	¥	Plastic 120ml HNO3 preserved Extracts	L1802820-04X
		tnesdA	λ	1.2		ΑN	A	lesseV eldmuT	L1802820-04X9
		fneadA	λ	1.2		ΑN	A	Glass 250ml/8oz unpreserved	L1802820-05A
CD-CI(180),HG-C(28),PB-CI(180),CR-CI(180)		tnəsdA	Х	1.5		ΑN	A	Plastic 120ml HNO3 preserved Extracts	L1802820-05X
		fnesdA	λ	1.2		ΑN	A	lesseV eldmuT	F1802820-05X9

Absent Cooler Custody Seal

Cooler Information

Were project specific reporting limits specified? **KES** 

Sample Receipt and Container Information

Report Date: 02/01/18 Project Number: GCA1704 Tab Number: L1802820  $\rm Page~G\mbox{-}70$ Project Name: GCA1704

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\*Values in parentheses indicate holding time in days

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	U∂ZOJ∃			dwə <u>1</u>	lani7	laitinl		nation	Container Infor
(*)sieylsnA		eəs	Pres	ე ɓəp	Hd	Нq	Cooler	Container Type	Container ID
•	fn	ıəsdA	γ	1.5		AN	A	Glass 250ml/8oz unpreserved	₩90-02820817
PB-CI(180),CR-CI(180)	Ĵn	ıəsdA	γ	2.1		ΑN	A	Plastic 120ml HNO3 preserved Extracts	L1802820-06X
-	ţu.	ıəsdA	γ	1.2		AN	¥	Tumble Vessel	L1802820-06X9
-	jn	ıəsdA	Y	1.5		ΑN	A	Glass 250ml/8oz unpreserved	A70-0282081J
PB-CI(180)	jn	nəsdA	Y	1.5		ΑN	A	Plastic 120ml HNO3 preserved Extracts	L1802820-07X
-	ju	ıəsdA	Y	1.2		ΑN	A	lesseV eldmuT	L1802820-07X9
-	jn	nəsdA	λ	1.2		₩N	A	Glass 250ml/8oz unpreserved	L1802820-08A
PB-CI(180), SE-CI(180), AG-CI(180)	ju	nəsdA	λ	1.2		∀N	A	Plastic 120ml HNO3 preserved Extracts	L1802820-08X
-	jn	ıəsdA	λ	1.2		∀N	A	Tumble Vessel	L1802820-08X9
-	ju	nəsdA	λ	1.2		∀N	A	Glass 250ml/8oz unpreserved	₹802820-09¥
PB-CI(180),CR-CI(180),AG-CI(180)	jn	198dA	λ	1.2		∀N	A	Plastic 120ml HNO3 preserved Extracts	L1802820-09X
	jn	nesdA	λ	2.1		∀N	A	Tumble Vessel	L1802820-09X9
	jn	ıəsdA	Y	1.2		ΑN	A	Glass 250ml/8oz unpreserved	A01-0282081J
PB-CI(180)	jn	ıəsq¥	λ	2.1		ΑN	A	Plastic 120ml HNO3 preserved Extracts	L1802820-10X
-	ţu.	192dA	γ	2.1		ΑN	A	IesseV eldmuT	L1802820-10X9

Señal\_No:02011815:33 **Lab Number:** L1802620 <sub>Page</sub> G-71 **Report Date:** 02/01/18 Project Name: GCA1704
Project Number: GCA1704

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L1802820 Page G-72 **Project Name:** GCA1704 Lab Number:

**Project Number:** GCA1704 **Report Date:** 02/01/18

#### **GLOSSARY**

Acronyms

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EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis

of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated

values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's

reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL

includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the

values; although the RPD value will be provided in the report.

- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound

list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

## Footnotes

SRM

- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

#### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Waterpreserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'. Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

A Spectra identified as "Aldol Condensation Product".

R - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

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L1802820 Page G-73 **Project Name:** GCA1704 Lab Number:

**Project Number:** GCA1704 **Report Date:** 02/01/18

#### Data Qualifiers

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projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C · Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should G be considered estimated.
- н - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I - The lower value for the two columns has been reported due to obvious interference.
- M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R - Analytical results are from sample re-analysis.
- RE - Analytical results are from sample re-extraction.
- S - Analytical results are from modified screening analysis.
- J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Project Name: GCA1704 Lab Number: L1802820 Page G-74

Project Number: GCA1704 Report Date: 02/01/18

#### **REFERENCES**

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

### **LIMITATION OF LIABILITIES**

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



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Facility: Company-wide Department: Quality Assurance Title: Certificate/Approval Program Summary

#### Certification Information

#### The following analytes are not included in our Primary NELAP Scope of Accreditation:

#### Westborough Facility

EPA 624: m/p-xylene, o-xylene

Alpha Analytical, Inc.

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: lodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-

Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

#### **Mansfield Facility**

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

#### The following analytes are included in our Massachusetts DEP Scope of Accreditation

#### Westborough Facility:

#### Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D. EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan II, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs EPA 625: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.

#### Mansfield Facility:

#### **Drinking Water**

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522.

#### Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Document Type: Form

NYSCEF DOC. NO. 51

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#### ANALYTICAL REPORT

Lab Number: L1806744

Client: P. W. Grosser

630 Johnson Avenue

Suite 7

Bohemia, NY 11716

ATTN: Thomas Melia Phone: (631) 589-6353

Project Name: GCA1704 GCA1704 Project Number: Report Date: 03/06/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



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Receive Date	Collection Date/Time	Sample Location	xirtsM	Client ID	Alpha Sample ID
05/27/18	S 02/27/18 12:15	FLOWERFIELD INDUSTRIAL, ST. JAME	ROIF	Eb-98LPC	10-44/90817
05/27/18	S 02/27/18 12:25	FLOWERFIELD INDUSTRIAL, ST. JAME	ROIL	Eb-9PLP	70-44-05
05/27/18	31:51 81/72/20 S	FLOWERFIELD INDUSTRIAL, ST. JAME	7108	EP-12PLP1 (MH-1)	F1806744-03

 Project Number:
 GCA1704
 Report Date:
 03/06/18

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 GCA1704
 03/06/18

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**Project Name:** GCA1704 Lab Number: L1806744 **Project Number:** Report Date: GCA1704 03/06/18

#### **Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

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For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



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Project Name: GCA1704 Lab Number: L1806744
Project Number: GCA1704 Report Date: 03/06/18

**Case Narrative (continued)** 

#### Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

#### Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

#### **Total Metals**

The WG1093364-3 MS recovery, performed on L1806744-03, is outside the acceptance criteria for mercury (138%). A post digestion spike was performed and was within acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Melissa Cripps Melissa Cripps

Authorized Signature:

Title: Technical Director/Representative

Διρια

Date: 03/06/18

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# **ORGANICS**



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## **VOLATILES**



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02/27/18 12:15

Not Specified

02/27/18

L1806744 Page G-85 Lab Number:

**Report Date:** 03/06/18

Date Collected:

Date Received:

Field Prep:

**SAMPLE RESULTS** 

Lab ID: L1806744-01 Client ID: **EP-9SLPC** 

GCA1704

GCA1704

Sample Location:

FLOWERFIELD INDUSTRIAL, ST. JAMES

Sample Depth:

Project Name:

**Project Number:** 

Matrix: Soil Analytical Method: 1,8260C Analytical Date: 03/01/18 14:26

Analyst: NLK Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	
Volatile Organics by GO	C/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	10	1.7	1	
1,1-Dichloroethane	ND		ug/kg	1.6	0.28	1	
Chloroform	ND		ug/kg	1.6	0.39	1	
Carbon tetrachloride	ND		ug/kg	1.0	0.36	1	
1,2-Dichloropropane	ND		ug/kg	3.7	0.24	1	
Dibromochloromethane	ND		ug/kg	1.0	0.19	1	
1,1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1	
Tetrachloroethene	ND		ug/kg	1.0	0.32	1	
Chlorobenzene	0.47	J	ug/kg	1.0	0.37	1	
Trichlorofluoromethane	ND		ug/kg	5.3	0.44	1	
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1	
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.37	1	
Bromodichloromethane	ND		ug/kg	1.0	0.33	1	
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.22	1	
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.24	1	
1,1-Dichloropropene	ND		ug/kg	5.3	0.35	1	
Bromoform	ND		ug/kg	4.2	0.25	1	
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.32	1	
Benzene	ND		ug/kg	1.0	0.20	1	
Toluene	6.9		ug/kg	1.6	0.21	1	
Ethylbenzene	ND		ug/kg	1.0	0.18	1	
Vinyl chloride	ND		ug/kg	2.1	0.33	1	
Chloroethane	ND		ug/kg	2.1	0.33	1	
1,1-Dichloroethene	ND		ug/kg	1.0	0.39	1	
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.26	1	
Trichloroethene	ND		ug/kg	1.0	0.32	1	
1,2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1	
1,3-Dichlorobenzene	ND		ug/kg	5.3	0.23	1	
1,4-Dichlorobenzene	0.80	J	ug/kg	5.3	0.19	1	

SUFFOLK COUNTY CLERK INDEX NO. 608051/2022

RECEIVED NYSCEF: 06/14/2022

Serial\_No:03061811:32

Project Name: Lab Number: GCA1704

L1806744 Page G-86 **Project Number:** GCA1704 **Report Date:** 03/06/18

**SAMPLE RESULTS** 

Lab ID: L1806744-01 Date Collected: 02/27/18 12:15 Client ID: EP-9SLPC Date Received: 02/27/18

Sample Location: Field Prep: FLOWERFIELD INDUSTRIAL, ST. JAMES Not Specified

Sample Depth:

NYSCEF DOC. NO. 51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westb	orough Lab					
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.37	1
o-Xylene	ND		ug/kg	2.1	0.36	1
Xylenes, Total	ND		ug/kg	2.1	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.36	1
- Dibromomethane	ND		ug/kg	10	0.25	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.53	1
Acetone	11		ug/kg	10	2.4	1
2-Butanone	ND		ug/kg	10	0.73	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.3	0.38	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.48	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.23	1
n-Butylbenzene	ND		ug/kg	1.0	0.24	1
sec-Butylbenzene	ND		ug/kg	1.0	0.23	1
tert-Butylbenzene	ND		ug/kg	5.3	0.26	1
o-Chlorotoluene	ND		ug/kg	5.3	0.23	1
p-Chlorotoluene	ND		ug/kg	5.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.37	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
p-Isopropyltoluene	0.50	J	ug/kg	1.0	0.21	1
Naphthalene	ND		ug/kg	5.3	0.15	1
n-Propylbenzene	ND		ug/kg	1.0	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.23	1
1,3,5-Trimethylbenzene	ND		ug/kg	5.3	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	5.3	0.20	1
Freon-113	ND		ug/kg	21	0.54	1
p-Diethylbenzene	ND		ug/kg	4.2	4.2	1
p-Ethyltoluene	ND		ug/kg	4.2	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.16	1



SUFFOLK COUNTY CLERK 06/14/2022

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L1806744 Page G-87 Project Name: Lab Number: GCA1704

**Project Number:** GCA1704 **Report Date:** 03/06/18

**SAMPLE RESULTS** 

Lab ID: L1806744-01 Date Collected: 02/27/18 12:15 Client ID: **EP-9SLPC** Date Received: 02/27/18 Field Prep: Sample Location: FLOWERFIELD INDUSTRIAL, ST. JAMES Not Specified

Sample Depth:

Qualifier Units RL MDL Dilution Factor Parameter Result

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	91	70-130	
Toluene-d8	106	70-130	
4-Bromofluorobenzene	94	70-130	
Dibromofluoromethane	94	70-130	

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GCA1704 GCA1704 INDEX NO. 608051/2022

RECEIVED NYSCEF: 06/14/2022

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02/27/18 12:25

Not Specified

02/27/18

L1806744 Page G-88 Lab Number:

Date Collected:

Date Received:

Field Prep:

**Report Date:** 03/06/18

**SAMPLE RESULTS** 

Lab ID: L1806744-02 Client ID: EP-9PLP

Sample Location: FLOWERFIELD INDUSTRIAL, ST. JAMES

Sample Depth:

Project Name:

**Project Number:** 

Matrix: Soil Analytical Method: 1,8260C Analytical Date: 03/01/18 14:53

Analyst: NLK Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - We	stborough Lab					
Methylene chloride	ND		ug/kg	9.3	1.5	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.25	1
Chloroform	ND		ug/kg	1.4	0.34	1
Carbon tetrachloride	ND		ug/kg	0.93	0.32	1
1,2-Dichloropropane	ND		ug/kg	3.3	0.21	1
Dibromochloromethane	ND		ug/kg	0.93	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.29	1
Tetrachloroethene	ND		ug/kg	0.93	0.28	1
Chlorobenzene	0.36	J	ug/kg	0.93	0.32	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.39	1
1,2-Dichloroethane	ND		ug/kg	0.93	0.23	1
1,1,1-Trichloroethane	ND		ug/kg	0.93	0.33	1
Bromodichloromethane	ND		ug/kg	0.93	0.29	1
rans-1,3-Dichloropropene	ND	_	ug/kg	0.93	0.19	1
cis-1,3-Dichloropropene	ND		ug/kg	0.93	0.22	1
1,1-Dichloropropene	ND		ug/kg	4.7	0.31	1
Bromoform	ND		ug/kg	3.7	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.93	0.28	1
Benzene	ND		ug/kg	0.93	0.18	1
Toluene	0.90	J	ug/kg	1.4	0.18	1
Ethylbenzene	ND		ug/kg	0.93	0.16	1
Vinyl chloride	ND		ug/kg	1.9	0.29	1
Chloroethane	ND		ug/kg	1.9	0.30	1
f,1-Dichloroethene	ND		ug/kg	0.93	0.35	1
rans-1,2-Dichloroethene	ND		ug/kg	1.4	0.22	1
Frichloroethene	ND		ug/kg	0.93	0.28	1
 1,2-Dichlorobenzene	ND		ug/kg	4.7	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	4.7	0.20	1
1,4-Dichlorobenzene	0.50	J	ug/kg	4.7	0.17	1

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RECEIVED NYSCEF: 06/14/2022

Serial\_No:03061811:32

Lab Number:

L1806744 Page G-89 Project Name: GCA1704 **Project Number:** GCA1704

**Report Date:** 03/06/18

**SAMPLE RESULTS** 

Lab ID: L1806744-02 Date Collected: 02/27/18 12:25 EP-9PLP Client ID: Date Received: 02/27/18

Sample Location: FLOWERFIELD INDUSTRIAL, ST. JAMES Field Prep: Not Specified

Sample Depth:

NYSCEF DOC. NO. 51

Weathyl tert budyl ether         ND         ug/kg         1.9         0.14         1           p/m-Xylene         ND         ug/kg         1.9         0.33         1           c-Xylene         ND         ug/kg         1.9         0.32         1           ch-1,2-Dchloroelhene         ND         ug/kg         1.9         0.32         1           ch-1,2-Dchloroelhene         ND         ug/kg         0.93         0.32         1           Dbrommethane         ND         ug/kg         0.93         0.32         1           Dbrommethane         ND         ug/kg         0.3         0.22         1           Styrene         ND         ug/kg         0.3         0.22         1           Dchleroelliuomethane         ND         ug/kg         9.3         0.22         1           Acetone         250         ug/kg         9.3         0.21         1           2-Butanone         ND         ug/kg         9.3         0.21         1           1,2.3-Trichloropropane         ND         ug/kg         9.3         0.16         1           1,2.3-Erichloropropane         ND         ug/kg         4.7         0.33         1	Parameter Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Methyl tert bulyl eiher         ND         ug/kg         1.9         0.14         1           p/m-Xylene         ND         ug/kg         1.9         0.33         1           o-Xylene         ND         ug/kg         1.9         0.32         1           Xylenes, Total         ND         ug/kg         0.93         0.32         1           Electrochloroetiene         ND         ug/kg         0.93         0.22         1           Dibromomethane         ND         ug/kg         9.3         0.47         1           Syrene         ND         ug/kg         9.3         0.47         1           Lockbordinomethane         ND         ug/kg         9.3         0.47         1           Acetone         250         ug/kg         9.3         0.47         1           Acetone         250         ug/kg         9.3         0.64         1           Acetone <t< th=""><th></th><th></th><th>- Guumiei</th><th>Ointo</th><th>***</th><th></th><th>550011 40001</th></t<>			- Guumiei	Ointo	***		550011 40001
Dim No	Voiatile Organics by GO/	WO Westborough Lab					
o-Xylene         ND         ug/kg         1.9         0.32         1           Xylenes, Total         ND         ug/kg         1.9         0.32         1           Xylenes, Total         ND         ug/kg         0.93         0.32         1           Dibromomethane         ND         ug/kg         9.3         0.22         1           Styrene         ND         ug/kg         9.3         0.27         1           Dichlorodifluoromethane         ND         ug/kg         9.3         0.47         1           Acetone         250         ug/kg         9.3         0.47         1           4-Metone         ND         ug/kg         9.3         0.41         1           4-Metone         ND         ug/kg         9.3         0.41         1           4-Metone         ND         ug/kg         9.3         0.61         1           4-Metone         ND         ug/kg         9.3         0.61         1           4-Metone         ND         ug/kg         9.3         0.61         1           1-2-Strichloropropane         ND         ug/kg         4.7         0.33         1           1-3-Strichloropropane	Methyl tert butyl ether	ND		ug/kg	1.9	0.14	1
Xymenes, Total         ND         ug/kg         1.9         0.32         1           cis-1,2-Debroorehene         ND         ug/kg         0.33         0.32         1           Dibromomelhane         ND         ug/kg         9.3         0.22         1           Styrene         ND         ug/kg         1.9         0.37         1           Dichlorodifluoromelhane         ND         ug/kg         9.3         0.47         1           Acatone         250         ug/kg         9.3         0.61         1           2-Butance         ND         ug/kg         9.3         0.61         1           4-Methyl-2-pentance         ND         ug/kg         9.3         0.61         1           1,2,3-Trichloropropane         ND         ug/kg         9.3         0.16         1           1,2-Dibromoethane         ND         ug/kg         4.7         0.33         1           1,2-Dibromoethane         ND         ug/kg         4.7         0.42         1           1,3-Dichloropropane         ND         ug/kg         0.33         0.20         1           1,3-Dichloropropane         ND         ug/kg         4.7         0.23         1 <td>p/m-Xylene</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>1.9</td> <td>0.33</td> <td>1</td>	p/m-Xylene	ND		ug/kg	1.9	0.33	1
Dibromorehane   ND	o-Xylene	ND		ug/kg	1.9	0.32	1
Dibrimomethane   ND	Xylenes, Total	ND		ug/kg	1.9	0.32	1
Styrene         ND         ug/kg         1.9         0.37         1           Dichlorodifluoromethane         ND         ug/kg         9.3         0.47         1           Acetone         250         ug/kg         9.3         2.1         1           2-Butanone         ND         ug/kg         9.3         0.64         1           4-Mentyl-2-pentanone         ND         ug/kg         9.3         0.23         1           1,2.3-Trichloropropane         ND         ug/kg         4.7         0.33         1           Bomochloromethane         ND         ug/kg         4.7         0.42         1           1,2-Dibronogropane         ND         ug/kg         4.7         0.42         1           1,2-Dibronogropane         ND         ug/kg         4.7         0.18         1           1,1-2-Dibronogropane         ND         ug/kg         0.3         0.30         1           1,1-12-Tetrachloroethane         ND         ug/kg         0.93         0.30         1           1,1-12-Tetrachloroethane         ND         ug/kg         0.93         0.20         1           1,1-12-Tetrachloroethane         ND         ug/kg         0.93	cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.32	1
Dichlorodiffuoromethane   ND	Dibromomethane	ND		ug/kg	9.3	0.22	1
Acetone	Styrene	ND		ug/kg	1.9	0.37	1
2-Butanone         ND         ug/kg         9.3         0.64         1           4-Methyl-2-pentanone         ND         ug/kg         9.3         0.23         1           1.2.3-Trichloropropane         ND         ug/kg         9.3         0.16         1           Bromochloromethane         ND         ug/kg         4.7         0.33         1           2,2-Dichloropropane         ND         ug/kg         4.7         0.42         1           1,3-Dichloropropane         ND         ug/kg         3.7         0.18         1           1,3-Dichloropropane         ND         ug/kg         4.7         0.17         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.93         0.30         1           Bromochezzene         ND         ug/kg         0.93         0.20         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.93         0.21         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.93         0.21         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.93         0.21         1           1,1,1,2-Tetrachloroethane         ND         ug/kg	Dichlorodifluoromethane	ND		ug/kg	9.3	0.47	1
Ambitivity 2-pentanone   ND	Acetone	250		ug/kg	9.3	2.1	1
1,2,3-Trichloropropane   ND	2-Butanone	ND		ug/kg	9.3	0.64	1
Bromochloromethane   ND   ug/kg   4.7   0.33   1   1   2.2 - Dichloropropane   ND   ug/kg   4.7   0.42   1   1   1.2 - Dibromoethane   ND   ug/kg   3.7   0.18   1   1   1.3 - Dichloropropane   ND   ug/kg   3.7   0.18   1   1   1.1 - Tetrachloroethane   ND   ug/kg   4.7   0.17   1   1   1.1 - Tetrachloroethane   ND   ug/kg   0.93   0.30   1   1   1   1   1   1   1   1   1	4-Methyl-2-pentanone	ND		ug/kg	9.3	0.23	1
2,2-Dichloropropane       ND       ug/kg       4.7       0.42       1         1,2-Dibromoethane       ND       ug/kg       3.7       0.18       1         1,3-Dichloropropane       ND       ug/kg       4.7       0.17       1         1,1,1,2-Tetrachloroethane       ND       ug/kg       0.93       0.30       1         Bromobenzene       ND       ug/kg       0.93       0.20       1         n-Butylbenzene       ND       ug/kg       0.93       0.21       1         sec-Butylbenzene       ND       ug/kg       0.93       0.20       1         tetr-Butylbenzene       ND       ug/kg       0.93       0.20       1         tetr-Butylbenzene       ND       ug/kg       4.7       0.23       1         o-Chlorotoluene       ND       ug/kg       4.7       0.23       1         p-Chlorotoluene       ND       ug/kg       4.7       0.17       1         1,2-Dibromo-3-chloropropane       ND       ug/kg       4.7       0.32       1         Hexachlorobutadiene       ND       ug/kg       0.93       0.18       1         Isopropylbenzene       ND       ug/kg       0.93	1,2,3-Trichloropropane	ND		ug/kg	9.3	0.16	1
1,2-Dibromethane         ND         ug/kg         3.7         0.18         1           1,3-Dichloropropane         ND         ug/kg         4.7         0.17         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.93         0.30         1           Bromobenzene         ND         ug/kg         0.93         0.20         1           n-Butylbenzene         ND         ug/kg         0.93         0.21         1           sec-Butylbenzene         ND         ug/kg         0.93         0.20         1           terr-Butylbenzene         ND         ug/kg         4.7         0.23         1           verrightenzene         ND         ug/kg         4.7         0.21         1           p-Chlorotolulene         ND         ug/kg         4.7         0.17         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         4.7         0.37         1           Hexachlorobutadiene         ND         ug/kg         0.93         0.18         1           Isopropylbenzene         ND         ug/kg         0.93         0.18         1           p-Isopropylbenzene         ND         ug/kg         0.93         0	Bromochloromethane	ND		ug/kg	4.7	0.33	1
1,3-Dichloropropane         ND         ug/kg         4.7         0.17         1           1,1,1,2-Tetrachloroethane         ND         ug/kg         0.93         0.30         1           Bromobenzene         ND         ug/kg         4.7         0.20         1           n-Butylbenzene         ND         ug/kg         0.93         0.21         1           sec-Butylbenzene         ND         ug/kg         0.93         0.20         1           tert-Butylbenzene         ND         ug/kg         4.7         0.23         1           c-Chlorotoluene         ND         ug/kg         4.7         0.21         1           p-Chlorotoluene         ND         ug/kg         4.7         0.21         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         4.7         0.37         1           Hexachlorobutadiene         ND         ug/kg         4.7         0.32         1           Isopropylbenzene         ND         ug/kg         0.93         0.18         1           p-Isopropylbenzene         ND         ug/kg         0.93         0.19         1           Naphthalene         ND         ug/kg         4.7         0.13 <td>2,2-Dichloropropane</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>4.7</td> <td>0.42</td> <td>1</td>	2,2-Dichloropropane	ND		ug/kg	4.7	0.42	1
1,1,2-Tetrachloroethane   ND	1,2-Dibromoethane	ND		ug/kg	3.7	0.18	1
Bromobenzene   ND	1,3-Dichloropropane	ND		ug/kg	4.7	0.17	1
n-Butylbenzene         ND         ug/kg         0.93         0.21         1           sec-Butylbenzene         ND         ug/kg         0.93         0.20         1           tert-Butylbenzene         ND         ug/kg         4.7         0.23         1           o-Chlorotoluene         ND         ug/kg         4.7         0.21         1           p-Chlorotoluene         ND         ug/kg         4.7         0.17         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         4.7         0.37         1           Hexachlorobutadiene         ND         ug/kg         4.7         0.32         1           Isopropylbenzene         ND         ug/kg         0.93         0.18         1           p-Isopropyltoluene         ND         ug/kg         0.93         0.18         1           Naphthalene         ND         ug/kg         0.93         0.19         1           Naphthalene         ND         ug/kg         0.93         0.20         1           1,2,3-Trichlorobenzene         ND         ug/kg         4.7         0.23         1           1,2,4-Trimethylbenzene         ND         ug/kg         4.7         0.15 <td>1,1,1,2-Tetrachloroethane</td> <td>ND</td> <td></td> <td>ug/kg</td> <td>0.93</td> <td>0.30</td> <td>1</td>	1,1,1,2-Tetrachloroethane	ND		ug/kg	0.93	0.30	1
sec-Butylbenzene         ND         ug/kg         0.93         0.20         1           tert-Butylbenzene         ND         ug/kg         4.7         0.23         1           o-Chlorotoluene         ND         ug/kg         4.7         0.21         1           p-Chlorotoluene         ND         ug/kg         4.7         0.17         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         4.7         0.37         1           Hexachlorobutadiene         ND         ug/kg         4.7         0.32         1           Isopropylbenzene         ND         ug/kg         0.93         0.18         1           p-Isopropyltoluene         0.48         J         ug/kg         0.93         0.19         1           Naphthalene         ND         ug/kg         4.7         0.13         1           n-Propylbenzene         ND         ug/kg         0.93         0.20         1           1,2,3-Trichlorobenzene         ND         ug/kg         4.7         0.23         1           1,2,4-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           1,2,4-Trimethylbenzene         ND         ug/kg <t< td=""><td>Bromobenzene</td><td>ND</td><td></td><td>ug/kg</td><td>4.7</td><td>0.20</td><td>1</td></t<>	Bromobenzene	ND		ug/kg	4.7	0.20	1
tert-Butylbenzene ND ug/kg 4.7 0.23 1  o-Chlorotoluene ND ug/kg 4.7 0.21 1  p-Chlorotoluene ND ug/kg 4.7 0.17 1  1,2-Dibromo-3-chloropropane ND ug/kg 4.7 0.37 1  Hexachlorobutadiene ND ug/kg 4.7 0.32 1  Isopropylbenzene ND ug/kg 0.93 0.18 1  p-Isopropylbenzene ND ug/kg 0.93 0.18 1  p-Isopropylbenzene ND ug/kg 0.93 0.19 1  Naphthalene ND ug/kg 0.93 0.19 1  Naphthalene ND ug/kg 0.93 0.20 1  1,2,3-Trichlorobenzene ND ug/kg 4.7 0.23 1  1,2,4-Trichlorobenzene ND ug/kg 4.7 0.23 1  1,2,4-Trimethylbenzene ND ug/kg 4.7 0.20 1  1,3,5-Trimethylbenzene ND ug/kg 4.7 0.15 1  1,2,4-Trimethylbenzene ND ug/kg 4.7 0.17 1  Freon-113 ND ug/kg 1.9 0.48 1  p-Diethylbenzene ND ug/kg 3.7 0.22 1	n-Butylbenzene	ND		ug/kg	0.93	0.21	1
o-Chlorotoluene         ND         ug/kg         4.7         0.21         1           p-Chlorotoluene         ND         ug/kg         4.7         0.17         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         4.7         0.37         1           Hexachlorobutadiene         ND         ug/kg         4.7         0.32         1           Isopropylbenzene         ND         ug/kg         0.93         0.18         1           p-Isopropyltoluene         0.48         J         ug/kg         0.93         0.19         1           Naphthalene         ND         ug/kg         4.7         0.13         1           n-Propylbenzene         ND         ug/kg         0.93         0.20         1           1,2,3-Trichlorobenzene         ND         ug/kg         4.7         0.23         1           1,2,4-Triinethylbenzene         ND         ug/kg         4.7         0.20         1           1,2,4-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           1,2,4-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           1,2,4-Trimethylbenzene         ND         ug/kg	sec-Butylbenzene	ND		ug/kg	0.93	0.20	1
p-Chlorotoluene         ND         ug/kg         4.7         0.17         1           1,2-Dibromo-3-chloropropane         ND         ug/kg         4.7         0.37         1           Hexachlorobutadiene         ND         ug/kg         4.7         0.32         1           Isopropylbenzene         ND         ug/kg         0.93         0.18         1           p-Isopropyltoluene         0.48         J         ug/kg         0.93         0.19         1           Naphthalene         ND         ug/kg         4.7         0.13         1           n-Propylbenzene         ND         ug/kg         4.7         0.23         1           1,2,3-Trichlorobenzene         ND         ug/kg         4.7         0.23         1           1,2,4-Trichlorobenzene         ND         ug/kg         4.7         0.20         1           1,3,5-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           1,2,4-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           1,2,4-Trimethylbenzene         ND         ug/kg         3.7         0.17         1           Freon-113         ND         ug/kg	tert-Butylbenzene	ND		ug/kg	4.7	0.23	1
1,2-Dibromo-3-chloropropane       ND       ug/kg       4.7       0.37       1         Hexachlorobutadiene       ND       ug/kg       4.7       0.32       1         Isopropylbenzene       ND       ug/kg       0.93       0.18       1         p-Isopropylbenzene       0.48       J       ug/kg       0.93       0.19       1         Naphthalene       ND       ug/kg       4.7       0.13       1         n-Propylbenzene       ND       ug/kg       0.93       0.20       1         1,2,3-Trichlorobenzene       ND       ug/kg       4.7       0.23       1         1,2,4-Trichlorobenzene       ND       ug/kg       4.7       0.15       1         1,2,4-Trimethylbenzene       ND       ug/kg       4.7       0.15       1         1,2,4-Trimethylbenzene       ND       ug/kg       4.7       0.17       1         Freon-113       ND       ug/kg       19       0.48       1         p-Diethylbenzene       ND       ug/kg       3.7       3.7       1         p-Ethyltoluene       ND       ug/kg       3.7       0.22       1	o-Chlorotoluene	ND		ug/kg	4.7	0.21	1
Hexachlorobutadiene         ND         ug/kg         4.7         0.32         1           Isopropylbenzene         ND         ug/kg         0.93         0.18         1           p-Isopropyltoluene         0.48         J         ug/kg         0.93         0.19         1           Naphthalene         ND         ug/kg         4.7         0.13         1           n-Propylbenzene         ND         ug/kg         0.93         0.20         1           1,2,3-Trichlorobenzene         ND         ug/kg         4.7         0.23         1           1,2,4-Trichlorobenzene         ND         ug/kg         4.7         0.20         1           1,3,5-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           1,2,4-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           Freon-113         ND         ug/kg         19         0.48         1           p-Diethylbenzene         ND         ug/kg         3.7         3.7         1           p-Ethyltoluene         ND         ug/kg         3.7         0.22         1	p-Chlorotoluene	ND		ug/kg	4.7	0.17	1
Sopropylbenzene   ND	1,2-Dibromo-3-chloropropane	ND		ug/kg	4.7	0.37	1
p-Isopropyltoluene         0.48         J         ug/kg         0.93         0.19         1           Naphthalene         ND         ug/kg         4.7         0.13         1           n-Propylbenzene         ND         ug/kg         0.93         0.20         1           1,2,3-Trichlorobenzene         ND         ug/kg         4.7         0.23         1           1,2,4-Trichlorobenzene         ND         ug/kg         4.7         0.20         1           1,3,5-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           1,2,4-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           Freon-113         ND         ug/kg         19         0.48         1           p-Diethylbenzene         ND         ug/kg         3.7         3.7         1           p-Ethyltoluene         ND         ug/kg         3.7         0.22         1	Hexachlorobutadiene	ND		ug/kg	4.7	0.32	1
Naphthalene         ND         ug/kg         4.7         0.13         1           n-Propylbenzene         ND         ug/kg         0.93         0.20         1           1,2,3-Trichlorobenzene         ND         ug/kg         4.7         0.23         1           1,2,4-Trichlorobenzene         ND         ug/kg         4.7         0.20         1           1,3,5-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           1,2,4-Trimethylbenzene         ND         ug/kg         4.7         0.17         1           Freon-113         ND         ug/kg         19         0.48         1           p-Diethylbenzene         ND         ug/kg         3.7         3.7         1           p-Ethyltoluene         ND         ug/kg         3.7         0.22         1	Isopropylbenzene	ND		ug/kg	0.93	0.18	1
n-Propylbenzene         ND         ug/kg         0.93         0.20         1           1,2,3-Trichlorobenzene         ND         ug/kg         4.7         0.23         1           1,2,4-Trichlorobenzene         ND         ug/kg         4.7         0.20         1           1,3,5-Trimethylbenzene         ND         ug/kg         4.7         0.15         1           1,2,4-Trimethylbenzene         ND         ug/kg         4.7         0.17         1           Freon-113         ND         ug/kg         19         0.48         1           p-Diethylbenzene         ND         ug/kg         3.7         3.7         1           p-Ethyltoluene         ND         ug/kg         3.7         0.22         1	p-Isopropyltoluene	0.48	J	ug/kg	0.93	0.19	1
1,2,3-Trichlorobenzene       ND       ug/kg       4.7       0.23       1         1,2,4-Trichlorobenzene       ND       ug/kg       4.7       0.20       1         1,3,5-Trimethylbenzene       ND       ug/kg       4.7       0.15       1         1,2,4-Trimethylbenzene       ND       ug/kg       4.7       0.17       1         Freon-113       ND       ug/kg       19       0.48       1         p-Diethylbenzene       ND       ug/kg       3.7       3.7       1         p-Ethyltoluene       ND       ug/kg       3.7       0.22       1	Naphthalene	ND		ug/kg	4.7	0.13	1
1,2,4-Trichlorobenzene       ND       ug/kg       4.7       0.20       1         1,3,5-Trimethylbenzene       ND       ug/kg       4.7       0.15       1         1,2,4-Trimethylbenzene       ND       ug/kg       4.7       0.17       1         Freon-113       ND       ug/kg       19       0.48       1         p-Diethylbenzene       ND       ug/kg       3.7       3.7       1         p-Ethyltoluene       ND       ug/kg       3.7       0.22       1	n-Propylbenzene	ND		ug/kg	0.93	0.20	1
1,3,5-Trimethylbenzene       ND       ug/kg       4.7       0.15       1         1,2,4-Trimethylbenzene       ND       ug/kg       4.7       0.17       1         Freon-113	1,2,3-Trichlorobenzene	ND		ug/kg	4.7	0.23	1
1,2,4-Trimethylbenzene       ND       ug/kg       4.7       0.17       1         Freon-113       ND       ug/kg       19       0.48       1         p-Diethylbenzene       ND       ug/kg       3.7       3.7       1         p-Ethyltoluene       ND       ug/kg       3.7       0.22       1	1,2,4-Trichlorobenzene	ND		ug/kg	4.7	0.20	1
Freon-113         ND         ug/kg         19         0.48         1           p-Diethylbenzene         ND         ug/kg         3.7         3.7         1           p-Ethyltoluene         ND         ug/kg         3.7         0.22         1	1,3,5-Trimethylbenzene	ND		ug/kg	4.7	0.15	1
p-Diethylbenzene         ND         ug/kg         3.7         3.7         1           p-Ethyltoluene         ND         ug/kg         3.7         0.22         1	1,2,4-Trimethylbenzene	ND		ug/kg	4.7	0.17	1
p-Ethyltoluene ND ug/kg 3.7 0.22 1	Freon-113	ND		ug/kg	19	0.48	1
• •	p-Diethylbenzene	ND		ug/kg	3.7	3.7	1
1,2,4,5-Tetramethylbenzene ND ug/kg 3.7 0.14 1	p-Ethyltoluene	ND		ug/kg	3.7	0.22	1
	1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.7	0.14	1



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INDEX NO. 608051/2022

Serial\_No:03061811:32

L1806744 Page G-90 Project Name: Lab Number: GCA1704

**Project Number:** GCA1704 **Report Date:** 03/06/18

**SAMPLE RESULTS** 

Lab ID: L1806744-02 Date Collected: 02/27/18 12:25 Client ID: EP-9PLP Date Received: 02/27/18 Field Prep: Sample Location: FLOWERFIELD INDUSTRIAL, ST. JAMES Not Specified

Sample Depth:

Qualifier Units RL MDL Dilution Factor Parameter Result

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	92	70-130	
Toluene-d8	104	70-130	
4-Bromofluorobenzene	98	70-130	
Dibromofluoromethane	93	70-130	

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02/27/18 13:15

Not Specified

02/27/18

L1806744 Page G-91 Lab Number:

**Report Date:** 03/06/18

Date Collected:

Date Received:

Field Prep:

**SAMPLE RESULTS** 

Lab ID: L1806744-03 Client ID: EP-12PLP1 (MH-1)

GCA1704 GCA1704

FLOWERFIELD INDUSTRIAL, ST. JAMES Sample Location:

Sample Depth:

Project Name:

**Project Number:** 

Matrix: Soil Analytical Method: 1,8260C Analytical Date: 03/01/18 15:19

Analyst: NLK Percent Solids: 79%

Chloroform	Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
ND	Volatile Organics by GC/MS	6 - Westborough Lab					
Chloroform	Methylene chloride	ND		ug/kg	12	2.0	1
ND	1,1-Dichloroethane	ND		ug/kg	1.8	0.32	1
1,2-Dichloropropane   ND	Chloroform	ND		ug/kg	1.8	0.44	1
ND	Carbon tetrachloride	ND		ug/kg	1.2	0.41	1
1,1,2-Trichloroethane	1,2-Dichloropropane	ND		ug/kg	4.2	0.27	1
Tetrachloroethene	Dibromochloromethane	ND		ug/kg	1.2	0.21	1
Chlorobenzene	1,1,2-Trichloroethane	ND		ug/kg	1.8	0.37	1
Trichlorofluoromethane	Tetrachloroethene	ND		ug/kg	1.2	0.36	1
1,2-Dichloroethane   ND	Chlorobenzene	11		ug/kg	1.2	0.42	1
ND	Trichlorofluoromethane	ND		ug/kg	6.0	0.50	1
ND	1,2-Dichloroethane	ND		ug/kg	1.2	0.29	1
trans-1,3-Dichloropropene         ND         ug/kg         1.2         0.25         1           cis-1,3-Dichloropropene         ND         ug/kg         1.2         0.28         1           1,1-Dichloropropene         ND         ug/kg         6.0         0.39         1           Bromoform         ND         ug/kg         4.8         0.28         1           1,1,2,2-Tetrachloroethane         ND         ug/kg         1.2         0.36         1           Benzene         0.76         J         ug/kg         1.2         0.23         1           Toluene         0.53         J         ug/kg         1.8         0.23         1           Ethylbenzene         ND         ug/kg         1.2         0.20         1           Vinyl chloride         ND         ug/kg         2.4         0.38         1           Chloroethane         ND         ug/kg         2.4         0.38         1           Chloroethane         ND         ug/kg         1.2         0.44         1           1,1-Dichloroethene         ND         ug/kg         1.8         0.29         1           Trichloroethene         ND         ug/kg         1.2         <	1,1,1-Trichloroethane	ND		ug/kg	1.2	0.42	1
ND	Bromodichloromethane	ND		ug/kg	1.2	0.37	1
1,1-Dichloropropene	trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.25	1
Bromoform	cis-1,3-Dichloropropene	ND		ug/kg	1.2	0.28	1
1,1,2,2-Tetrachloroethane	1,1-Dichloropropene	ND		ug/kg	6.0	0.39	1
Benzene         0.76         J         ug/kg         1.2         0.23         1           Toluene         0.53         J         ug/kg         1.8         0.23         1           Ethylbenzene         ND         ug/kg         1.2         0.20         1           Vinyl chloride         ND         ug/kg         2.4         0.38         1           Chloroethane         ND         ug/kg         2.4         0.38         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.44         1           trans-1,2-Dichloroethene         ND         ug/kg         1.8         0.29         1           Trichloroethene         ND         ug/kg         1.2         0.36         1           1,2-Dichlorobenzene         0.72         J         ug/kg         6.0         0.22         1           1,3-Dichlorobenzene         ND         ug/kg         6.0         0.26         1	Bromoform	ND		ug/kg	4.8	0.28	1
Toluene         0.53         J         ug/kg         1.8         0.23         1           Ethylbenzene         ND         ug/kg         1.2         0.20         1           Vinyl chloride         ND         ug/kg         2.4         0.38         1           Chloroethane         ND         ug/kg         2.4         0.38         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.44         1           trans-1,2-Dichloroethene         ND         ug/kg         1.8         0.29         1           Trichloroethene         ND         ug/kg         1.2         0.36         1           1,2-Dichlorobenzene         0.72         J         ug/kg         6.0         0.22         1           1,3-Dichlorobenzene         ND         ug/kg         6.0         0.26         1	1,1,2,2-Tetrachloroethane	ND		ug/kg	1.2	0.36	1
Ethylbenzene         ND         ug/kg         1.2         0.20         1           Vinyl chloride         ND         ug/kg         2.4         0.38         1           Chloroethane         ND         ug/kg         2.4         0.38         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.44         1           trans-1,2-Dichloroethene         ND         ug/kg         1.8         0.29         1           Trichloroethene         ND         ug/kg         1.2         0.36         1           1,2-Dichlorobenzene         0.72         J         ug/kg         6.0         0.22         1           1,3-Dichlorobenzene         ND         ug/kg         6.0         0.26         1	Benzene	0.76	J	ug/kg	1.2	0.23	1
Vinyl chloride         ND         ug/kg         2.4         0.38         1           Chloroethane         ND         ug/kg         2.4         0.38         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.44         1           trans-1,2-Dichloroethene         ND         ug/kg         1.8         0.29         1           Trichloroethene         ND         ug/kg         1.2         0.36         1           1,2-Dichlorobenzene         0.72         J         ug/kg         6.0         0.22         1           1,3-Dichlorobenzene         ND         ug/kg         6.0         0.26         1	Toluene	0.53	J	ug/kg	1.8	0.23	1
Chloroethane         ND         ug/kg         2.4         0.38         1           1,1-Dichloroethene         ND         ug/kg         1.2         0.44         1           trans-1,2-Dichloroethene         ND         ug/kg         1.8         0.29         1           Trichloroethene         ND         ug/kg         1.2         0.36         1           1,2-Dichlorobenzene         0.72         J         ug/kg         6.0         0.22         1           1,3-Dichlorobenzene         ND         ug/kg         6.0         0.26         1	Ethylbenzene	ND		ug/kg	1.2	0.20	1
1,1-Dichloroethene       ND       ug/kg       1.2       0.44       1         trans-1,2-Dichloroethene       ND       ug/kg       1.8       0.29       1         Trichloroethene       ND       ug/kg       1.2       0.36       1         1,2-Dichlorobenzene       0.72       J       ug/kg       6.0       0.22       1         1,3-Dichlorobenzene       ND       ug/kg       6.0       0.26       1	Vinyl chloride	ND		ug/kg	2.4	0.38	1
trans-1,2-Dichloroethene         ND         ug/kg         1.8         0.29         1           Trichloroethene         ND         ug/kg         1.2         0.36         1           1,2-Dichlorobenzene         0.72         J         ug/kg         6.0         0.22         1           1,3-Dichlorobenzene         ND         ug/kg         6.0         0.26         1	Chloroethane	ND		ug/kg	2.4	0.38	1
Trichloroethene         ND         ug/kg         1.2         0.36         1           1,2-Dichlorobenzene         0.72         J         ug/kg         6.0         0.22         1           1,3-Dichlorobenzene         ND         ug/kg         6.0         0.26         1	1,1-Dichloroethene	ND		ug/kg	1.2	0.44	1
1,2-Dichlorobenzene 0.72 J ug/kg 6.0 0.22 1 1,3-Dichlorobenzene ND ug/kg 6.0 0.26 1	trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.29	1
1,3-Dichlorobenzene ND ug/kg 6.0 0.26 1	Trichloroethene	ND		ug/kg	1.2	0.36	1
	1,2-Dichlorobenzene	0.72	J	ug/kg	6.0	0.22	1
1,4-Dichlorobenzene 2.3 J ug/kg 6.0 0.22 1	1,3-Dichlorobenzene	ND		ug/kg	6.0	0.26	1
	1,4-Dichlorobenzene	2.3	J	ug/kg	6.0	0.22	1

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RECEIVED NYSCEF: 06/14/2022

Serial\_No:03061811:32

L1806744 Page G-92 Project Name: Lab Number: GCA1704 **Project Number:** GCA1704

**Report Date:** 03/06/18

**SAMPLE RESULTS** 

Lab ID: L1806744-03 Date Collected: 02/27/18 13:15 Client ID: EP-12PLP1 (MH-1) Date Received: 02/27/18

Sample Location: FLOWERFIELD INDUSTRIAL, ST. JAMES Field Prep: Not Specified

Sample Depth:

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Sample Depth.		0!!!"	1114	D.	8401	Dilatian Fastan
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by G0	C/MS - Westborough Lab					
Methyl tert butyl ether	ND		ug/kg	2.4	0.18	1
p/m-Xylene	1.1	J	ug/kg	2.4	0.42	1
o-Xylene	0.72	J	ug/kg	2.4	0.40	1
Xylenes, Total	1.8	J	ug/kg	2.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.41	1
Dibromomethane	ND		ug/kg	12	0.28	1
Styrene	ND		ug/kg	2.4	0.48	1
Dichlorodifluoromethane	ND		ug/kg	12	0.60	1
Acetone	22		ug/kg	12	2.7	1
2-Butanone	ND		ug/kg	12	0.82	1
4-Methyl-2-pentanone	ND		ug/kg	12	0.29	1
1,2,3-Trichloropropane	ND		ug/kg	12	0.21	1
Bromochloromethane	ND		ug/kg	6.0	0.43	1
2,2-Dichloropropane	ND		ug/kg	6.0	0.54	1
1,2-Dibromoethane	ND		ug/kg	4.8	0.24	1
1,3-Dichloropropane	ND		ug/kg	6.0	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.2	0.38	1
Bromobenzene	ND		ug/kg	6.0	0.26	1
n-Butylbenzene	1.2		ug/kg	1.2	0.27	1
sec-Butylbenzene	0.75	J	ug/kg	1.2	0.26	1
tert-Butylbenzene	ND		ug/kg	6.0	0.30	1
o-Chlorotoluene	ND		ug/kg	6.0	0.26	1
p-Chlorotoluene	ND		ug/kg	6.0	0.22	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.0	0.47	1
Hexachlorobutadiene	ND		ug/kg	6.0	0.42	1
Isopropylbenzene	ND		ug/kg	1.2	0.23	1
p-Isopropyltoluene	1.5		ug/kg	1.2	0.24	1
Naphthalene	2.1	J	ug/kg	6.0	0.16	1
n-Propylbenzene	0.69	J	ug/kg	1.2	0.26	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.0	0.30	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.0	0.26	1
1,3,5-Trimethylbenzene	2.5	J	ug/kg	6.0	0.19	1
1,2,4-Trimethylbenzene	6.0		ug/kg	6.0	0.22	1
Freon-113	ND		ug/kg	24	0.61	1
p-Diethylbenzene	5.8		ug/kg	4.8	4.8	1
p-Ethyltoluene	3.3	J	ug/kg	4.8	0.28	1
1,2,4,5-Tetramethylbenzene	1.4	J	ug/kg	4.8	0.19	1



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Serial\_No:03061811:32

L1806744 Page G-93 Project Name: Lab Number: GCA1704

GCA1704 **Project Number: Report Date:** 03/06/18

**SAMPLE RESULTS** 

Lab ID: L1806744-03 Date Collected: 02/27/18 13:15 Client ID: EP-12PLP1 (MH-1) Date Received: 02/27/18 FLOWERFIELD INDUSTRIAL, ST. JAMES Field Prep: Sample Location: Not Specified

Sample Depth:

Qualifier Units RL MDL Dilution Factor Parameter Result

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	92	70-130	
Toluene-d8	97	70-130	
4-Bromofluorobenzene	102	70-130	
Dibromofluoromethane	96	70-130	

GCA1704

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Report Date: 03/06/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: 1,8260C 03/01/18 09:10

**Project Name:** 

Project Number:

Analyst: KD

Parameter	Result	Qualifier	Units	RL		MDL
Volatile Organics by 8260/5035	Westborough	Lab for sa	ımple(s):	01-03	Batch:	WG1093379-10
Methylene chloride	ND		ug/kg	10		1.6
1,1-Dichloroethane	ND	-	ug/kg	1.5		0.27
Chloroform	ND _		ug/kg	1.5		0.37
Carbon tetrachloride	ND	-	ug/kg	1.0		0.34
1,2-Dichloropropane	ND		ug/kg	3.5		0.23
Dibromochloromethane	ND		ug/kg	1.0		0.18
1,1,2-Trichloroethane	ND		ug/kg	1.5		0.31
Tetrachloroethene	ND		ug/kg	1.0		0.30
Chlorobenzene	ND		ug/kg	1.0		0.35
Trichlorofluoromethane	ND		ug/kg	5.0		0.42
1,2-Dichloroethane	ND		ug/kg	1.0		0.25
1,1,1-Trichloroethane	ND		ug/kg	1.0		0.35
Bromodichloromethane	ND		ug/kg	1.0		0.31
trans-1,3-Dichloropropene	ND		ug/kg	1.0		0.21
cis-1,3-Dichloropropene	ND	_	ug/kg	1.0		0.23
1,1-Dichloropropene	ND	_	ug/kg	5.0		0.33
Bromoform	ND	_	ug/kg	4.0		0.24
1,1,2,2-Tetrachloroethane	ND	_	ug/kg	1.0		0.30
Benzene	ND	_	ug/kg	1.0		0.19
Toluene	0.38	J	ug/kg	1.5		0.20
Ethylbenzene	ND	_	ug/kg	1.0		0.17
Vinyl chloride	ND		ug/kg	2.0	1	0.32
Chloroethane	ND	_	ug/kg	2.0		0.32
1,1-Dichloroethene	ND		ug/kg	1.0		0.37
trans-1,2-Dichloroethene	ND		ug/kg	1.5		0.24
Trichloroethene	ND		ug/kg	1.0		0.30
1,2-Dichlorobenzene	ND		ug/kg	5.0		0.18
1,3-Dichlorobenzene	ND		ug/kg	5.0		0.22
1,4-Dichlorobenzene	ND		ug/kg	5.0		0.18



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Report Date:

03/06/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: 1,8260C 03/01/18 09:10

Analyst: KD

**Project Name:** 

Project Number:

Parameter	Result	Qualifier	Units	RL		MDL	
Volatile Organics by 8260/5035	- Westborough	Lab for sa	mple(s):	01-03	Batch:	WG1093379-10	
Methyl tert butyl ether	ND		ug/kg	2.0		0.15	
p/m-Xylene	ND	<u>=</u>	ug/kg	2.0		0.35	
o-Xylene	ND _	-	ug/kg	2.0		0.34	
Xylenes, Total	ND	-	ug/kg	2.0		0.34	
cis-1,2-Dichloroethene	ND		ug/kg	1.0	1	0.34	
Dibromomethane	ND		ug/kg	10		0.24	
Styrene	ND		ug/kg	2.0		0.40	
Dichlorodifluoromethane	ND		ug/kg	10		0.50	
Acetone	ND		ug/kg	10		2.3	
2-Butanone	ND		ug/kg	10		0.69	
4-Methyl-2-pentanone	ND		ug/kg	10		0.24	
1,2,3-Trichloropropane	ND		ug/kg	10		0.18	
Bromochloromethane	ND		ug/kg	5.0		0.36	
2,2-Dichloropropane	ND		ug/kg	5.0	1	0.45	
1,2-Dibromoethane	ND		ug/kg	4.0	1	0.20	
1,3-Dichloropropane	ND		ug/kg	5.0		0.18	
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0		0.32	
Bromobenzene	ND		ug/kg	5.0		0.22	
n-Butylbenzene	ND		ug/kg	1.0		0.23	
sec-Butylbenzene	ND		ug/kg	1.0		0.22	
tert-Butylbenzene	ND		ug/kg	5.0		0.25	
o-Chlorotoluene	ND		ug/kg	5.0		0.22	
p-Chlorotoluene	ND		ug/kg	5.0		0.18	
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.0		0.40	
Hexachlorobutadiene	ND		ug/kg	5.0		0.35	
Isopropylbenzene	ND		ug/kg	1.0		0.19	
p-Isopropyltoluene	ND		ug/kg	1.0		0.20	
Naphthalene	ND		ug/kg	5.0		0.14	
n-Propylbenzene	ND		ug/kg	1.0		0.22	



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Report Date:

03/06/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date:

**Project Name:** 

Project Number:

1,8260C 03/01/18 09:10

GCA1704

GCA1704

Analyst:

KD

Parameter	Result	Qualifier Unit	s	RL	MDL	
olatile Organics by 8260/503	5 - Westborough	Lab for sample	(s): 01-03	Batch:	WG1093379-10	)
1,2,3-Trichlorobenzene	ND	ug/	kg :	5.0	0.25	
1,2,4-Trichlorobenzene	ND	ug/	kg	5.0	0.22	
1,3,5-Trimethylbenzene	ND	ug/	kg :	5.0	0.16	
1,2,4-Trimethylbenzene	ND _	ug/	kg :	5.0	0.19	
Freon-113	ND	ug/	<b>k</b> g	20	0.51	
p-Diethylbenzene	ND	ug/	kg -	4.0	4.0	
p-Ethyltoluene	ND	ug/	κg	4.0	0.23	
1,2,4,5-Tetramethylbenzene	ND	ug/		4.0	0.16	

		Α	cceptance	
Surrogate	%Recovery	Qualifier	Criteria	
1,2-Dichloroethane-d4	112		70-130	
Toluene-d8	105		70-130	
4-Bromofluorobenzene	97		70-130	
Dibromofluoromethane	98		70-130	



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Pag6	95 to 91 39					YHE TO
)	hloroethane	98	78	151-05	2	30
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3	əuəzuəq <b>ı</b> áı)	96	76	70-130	ļ	30
L	euen <sub>l</sub> o	86	86	70-130	0	30
3	<b>ә</b> и <b>ә</b> zиә <u>ғ</u>	68	88	70-130	ļ	30
ļ	enartjeovolihaatteT-S,S,t,	108	103	70-130	g	30
3	miołomos	28	64	70-130	<b>†</b>	30
ļ	əriəqorqorolriəlG-1,	68	78	70-130	5	30
)	eneqorqoroldoiG-8, f-2i	76	76	70-130	2	30
1	eneqorqorolloid-£, f-ans	06	78	70-130	3	30
3	Simodichloromethane	96	<b>†</b> 6	70-130	2	30
ļ	ensitieorothanT-f.f.	96	76	70-130	7	30
ļ	ensitieonolitoid.s.	26	26	70-130	7	30
L	ichlorofluoromethane	104	101	70-139	3	30
)	Shlorobenzene	96	<b>7</b> 6	70-130	ļ	30
L	etrachloroethene	<b>†</b> 6	76	70-130	2	30
ļ	ensrtjeonolhonT-S, f,	104	<i>ل</i> 6	70-130	1	30
]	ensithamorchlormordic	76	88	70-130	7	30
ļ	ensqorqorohlciG-2,	16	06	70-130	ŀ	30
)	əbinolrləsitət nodis	96	63	70-130	2	30
)	mioroidif(	76	76	70-130	0	30
ļ	ensitiaorolitoid-it,	86	86	70-130	0	30
1	ebirolrb enelyrtel	<b>†</b> 6	68	70-130	9	30

Volatile Organics by 8260/5055 - Westborough Lab Associated sample(s): 01-03 Batch: WG1093379-8 WG1093379-9

Limits	Qual	ada	siimi.l	Qual	%Весолегу	Qual	<b>%Несо</b> чегу	Parameter
GdY			%Весолегу		TCSD		<b>S</b> 27	

 Lab Number:
 03/06/18

 Report Date:
 03/06/18

Project Number: GCA1704

Lab Control Sample Analysis
Batch Quality Control

Project Name: GCA1704

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Se:11813080:00\_lisineS

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				Page 20 of 39
\$	70-130	63	96	Вготорепсепе
9	70-130	83	66	enarlieorolinasie-1.6,1,1,1
2	081-69	<i>L</i> 6	66	9-Dichloroprane
9	70-130	<del>7</del> 6	100	1,2-Dibromoethane
0	70-130	<i>L</i> 6	<i>1</i> 6	2,2-Dichloropropane
\$	70-130	<b>7</b> 6	<i>1</i> 6	Bromochloromethane
2	081-89	100	102	ensqorqoroldɔi/T-£,2,1
7	70-130	18	1/8	
7	70-130	73	9/	-Sutanone
13	0bl <del>-b</del> 9	18	76	enoteoA
3	30-146	26	96	—— Dichlorodifluoromethane
5	70-130	86	100	Styrene
7	70-130	96	66	— Dibromomethane
0	70-130	68	68	cis-1,2-Dichloroethene
ı	70-130	26	86	ο-χλγene
2	70-130	86	100	p/m-Xylene
0	99-130	06	06	Methyl tert butyl ether
7	70-130	96	66	- 1,4-Dichlorobensene
2	70-130	26	66	1,3-Dichlorobenzene
2	70-130	66	101	1,2-Dichlorobenzene
0	70-130	06	06	- Trichloroethene
ı	70-130	06	68	enetherothold-2, f-ensit
2	65-135	36	06	anartiaorolici (1, t
	9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 061-07 1 061-07 2 061-07 2 061-07 4 061-07 5 061-07 6 061-07 7 061-07 7 061-07 7 061-07 7 061-07 7 061-07 7 061-07 7 061-07 7 061-07 7 061-07 7 061-07 7 061-07 7 061-07 7 061-07 7 061-07 8 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07 9 061-07	9 061-07 09 1 061-07 09 1 061-07 09 1 061-07 09 1 061-07 09 2 061-07 18 2 061-07 18 2 061-07 18 2 061-07 18 2 061-07 18 2 061-07 18 2 061-07 18 2 061-07 18 2 061-07 18 2 061-07 18 2 061-07 18 2 061-07 18 3 061-07 18 4 061-07 18 5 061-07 16 6 00 061-07 18 6 00 061-07 16 6 00 0	1 061-07 09 09 09 09 09 09 09 09 09 09 09 09 09

Volatile Organics by 8260/5055 - Westborough Lab Associated sample(s): 01-03 Batch: WG1093379-8 WG1093379-9

stimid	Qual	adu	siimi.	Gual	%Весолегу	Qual	<b>%Несо</b> легу	Parameter
ada			%Весолегу		TCSD		rcs	

81/90/80 Report Date: Project Number: GCA1704

T1806744 GCA1704 Project Name: Lab Number: Lab Control Sample Analysis
Batch Quality Control

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eneznedlyrltemætteT-6,4,5,1	103	66	70-130	<b>†</b>	30
p-Ethyltoluene	66	96	70-130	<b>†</b>	30
pneznedly/theid-q	100	<i>L</i> 6	70-130	3	30
Freon-113	96	96	981-09	ı	30
eneznedlydtemirT-4,S,f	101	66	70-130	2	30
ənəznədlyrləmirT-č,£,†	100	86	70-130	5	30
eneznedoroldɔir <b>T-4</b> , <b>2</b> ,1	102	96	70-130	L	30
9neznedoroldonT-£,2,1	104	101	70-130	3	30
ənəznədiyqor <b>9-</b> n	86	96	70-130	3	30
Naphthalene	101	86	70-130	3	30
p-lsopropyltoluene	100	96	70-130	7	30
əuəzuəqıkdoıdosı	<b>†</b> 6	<del>7</del> 6	70-130	0	30
Hexachlorobutadiene	16	16	67-130	0	30
ensqorqoroldo-6-omordiQ-S,f	16	<i>L</i> 8	98-130	7	30
eneulotorold-q	86	<b>4</b> 6	70-130	L	30
o-Chlorotoluene	66	<b>46</b>	70-130	5	30
eneznedlytu8-het	96	96	70-130	0	30
sec-Butylbenzene	66	<b>L</b> 6	70-130	5	30
n-Butylbenzene	102	66	70-130	3	30

Volatille Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1093379-9 WG1093379-9

stimid	Gual	Odu	Limits	lau <b>D</b>	%Весолегу	Gual	%Цесолецу	Parameter
adu			%Весолегу		гсга		FCS	

81/90/80

Report Date:

Project Number: GCA1704

71806744

Lab Mumber:

GCA1704 Project Name:

Lab Control Sample Analysis
Batch Quality Control

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Acceptance Criteria	leuQ		leuQ	- Жувсолеці ГСЗ	elregaile
70-130		601		411	<b>₽b-ensrheorolrbi(Ū-S, t</b> <b>ensrheorolrbi(⊡-S, t</b>
051 <b>-</b> 07		101		103 102	7oluene-d8 4-Bromofluorobenzene
70-130		105		100	Dibromofluoromethane

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01-03 Batch: WG1093379-8 WG1093379-9

Parameter		%Несолеіл ГСЗ	leuD	«цесолеіл ГСЗВ	leuD	%Recovery Limits	adu	lau <b>o</b>	QqA simi1
Project Number:	GCA1704						рф	ort Date:	81/90/80
Ргојесі Иате:	GCA1704		1	S Control S. Batch Qua			l dåb l	nuper:	77/90817

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## **METALS**



06/14/2022 SUFFOLK

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Page G-102 Project Name: Lab Number: GCA1704 L1806744

**Project Number:** GCA1704 **Report Date:** 03/06/18

**SAMPLE RESULTS** 

Lab ID: L1806744-03 Date Collected: 02/27/18 13:15 Client ID: EP-12PLP1 (MH-1) Date Received: 02/27/18 Sample Location: FLOWERFIELD INDUSTRIAL, ST. JAMES Field Prep: Not Specified

Sample Depth:

NYSCEF DOC. NO. 51

Matrix: Soil

Percent Solids:	79%					Dilution	Date	Date	Prep	Analytical	
Parameter	Result	Qualifier	Units	RL	MDL	Factor	Prepared	Analyzed	Method	Method	Analyst
Total Metals - Man	sfield Lab										
Arsenic, Total	1.01		mg/kg	0.497	<u>0</u> .1 <u>03</u>	1_	03/01/18 05:30	03/01/18 15:30	EPA 3050B	1,6010C	JH
Barium, Total	12.6		_mg/kg	0.497	0.086	1	03/01/18 05:30	03/01/18 15:30	EPA 3050B	1,6010C	JḤ
Beryllium, Total	ND		mg/kg	0.248	0.016	1	03/01/18 05:30	03/01/18 15:30	EPA 3050B	1,6010C	JH
Cadmium, Total	0.080	J	mg/kg	0.497	0.049	1	03/01/18 05:30	03/01/18 15:30	EPA 3050B	1,6010C	JH
Chromium, Total	6.11		mg/kg	0.497	0.048	1	03/01/18 05:30	03/01/18 15:30	EPA 3050B	1,6010C	JH
Copper, Total	12.5		mg/kg	0.497	0.128	1	03/01/18 05:30	03/01/18 15:30	EPA 3050B	1,6010C	JH
Lead, Total	_4.23 _		_mg/kg	2.48	0.133	1	03/01/18 05:30	03/01/18 15:30	EPA 3050B	1,6010C	JH
Mercury, Total	0.02	J	mg/kg	0.08	0.02	1	03/01/18 06:30	03/01/18 12:47	EPA 7471B	1,7471B	MG
Nickel, Total	4.15	_	mg/kg	1.24	0.120	1	03/01/18 05:30	03/01/18 15:30	EPA 3050B	1,6010C	_ JH
Selenium, Total	ND .		mg/kg	0.993	_0.128	1	03/01/18 05:30	03/01/18 15:30	EPA 3050B	1,6010C	_ JH
Silver, Total	ND		mg/kg	0.497	0.140	1	03/01/18 05:30	03/01/18 15:30	EPA 3050B	1,6010C	JH

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Project Name: GCA1704
Project Number: GCA1704

Lab Number:

L1806744 Page G-103

Report Date: 0

03/06/18

# Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mans	field Lab for sample(s):	03 Batch	n: WG10	093358-	1				
Arsenic, Total	ND	mg/kg	0.400	0.083	1	03/01/18 05:30	03/01/18 09:29	1,6010C	JН
Barium, Total	ND	mg/kg	0.400	0.070	1	03/01/18 05:30	03/01/18 09:29	1,6010C	JH
Beryllium, Total	ND -	mg/kg	0.200	0.013	1	03/01/18 05:30	03/01/18 09:29	1,6010C	JH
Cadmium, Total	ND	mg/kg	0.400	0.039	1	03/01/18 05:30	03/01/18 09:29	1,6010C	JH
Chromium, Total	ND	mg/kg	0.400	0.038	1	03/01/18 05:30	03/01/18 09:29	1,6010C	JH
Copper, Total	ND	mg/kg	0.400	0.103	1	03/01/18 05:30	03/01/18 09:29	1,6010C	JH
Lead, Total	ND	mg/kg	2.00	0.107	1	03/01/18 05:30	03/01/18 09:29	1,6010C	JH
Nickel, Total	ND	mg/kg	1.00	0.097	1	03/01/18 05:30	03/01/18 09:29	1,6010C	 JH
Selenium, Total	ND	mg/kg	0.800	0.103	1	03/01/18 05:30	03/01/18 09:29	1,6010C	 JH
Silver, Total	ND	mg/kg	0.400	0.113	1	03/01/18 05:30	03/01/18 09:29	1,6010C	JH

**Prep Information** 

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method A	nalyst
Total Metals - Mansfield	Lab for sample(s):	03 Batch	: WG1	093364-	1				
Mercury, Total	ND	mg/kg	0.08	0.02	1	03/01/18 06:30	03/01/18 12:44	1,7471B	MG

**Prep Information** 

Digestion Method: EPA 7471B



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Arsenic, Total

-	671-09	-	601		Mercury, Total
	per: D098-540	SFM Lot Numl	Batch: WG1093364-2	Associated sample(s): 03	Total Metals - Mansfield Lab
-	80-120		102		Silver, Total
-	78-121	-	801		Selenium, Total
	711-28	-	901		Nickel, Total
	711-28		101		Lead, Total
	911-48	-	101		Copper, Total
	611-88	-	Ш		Chromium, Total
	711-28	-	901		Cadmium, Total
	711-88	-	Ш		Beryllium, Total
	811-28		911		Barium, Total

Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1093358-2 SRM Lot Number: D098-540

111

 etimiJ 098	Gual	QAA	stimi.l	Gual	%Весолегу	Qual	%Весолегу	Parameter
			%Весолегу		CCSD		SOT	

711-88

Report Date: Project Number: GCA1704 81/90/80 Project Name: 71806744 Lab Mumber:

GCA1704 Lab Control Sample Analysis
Batch Quality Control

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Report Date:

гар Иитрек:

81/90/80

71806744

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Project Name:

GCA1704

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50		-	80-150		-		Ö	138	0.22	0.159	0.02J	Mercury, Total
	(1-HM)	PLP1	t ID: EP-12	nəilƏ	C1806744-03	QC Sample:	6-	ID: MC1083364	QC Batch	so :(s)əldı	sociated sam	Total Metals - Mansfield Lab As
50			75-125		-	-		<b>7</b> 6	9.92	28.3	αN	Silver, Total
50		-	75-125		-	-		83	14.6	11.3	0.282J	Selenium, Total
50		-	75-125				Ö	89	9.0⊅	1.74	8.29	Nickel, Total
50		-	75-125		-	-	٥	9	9.64	1.84	1.14	Lead, Total
50		-	75-125		-	•		96	35.9	53.6	9.01	Copper, Total
50		-	75-125		-	-	٥	£7	7.92	8.81	7.21	Chromium, Total
50		-	75-125		-	-		9/	79.6	18.4	an _	Sadmium, Total
50			75-125			•		08	90'7	17.4	706.0	Beryllium, Total
50	_		125-125	_	•	•	Ö	<b>79</b>	500	188	78.5	
50		-	75-125		•	•		08	8.71	11.3	87.8	Arsenic, Total
		əldma	ID: W2 S	nəilƏ	10-48690817	GC Sample:	6-	ID: MC1083328	QC Batch	:03 (s) (s)	sociated sam	Total Metals - Mansfield Lab As
GPR Limits	Gual	GGA	Recovery Limits	Gual	%Becovery	Puno_ I	Gua	%Becovery	MS Found	SM babbA	Native 9lqms2	Parameter

Matrix Spike Analysis Batch Quality Control

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Project Name:

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81/90/80

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stimiJ Q9R	Gual	QqA	stinU	eldms2 etsoil	dud əl	Mative Samp			Parameter
	DUP Sample	Client ID:	10-48690817	QC Sample:	MG1093358-4	QC Batch ID:	Ro :(s)eldmss betsioossA	Mansfield Lab	- zistəM istoT
50	Ö	941	ша/ка	95.9		41.1			Lead, Total
(1-HV	EP-12PLP1 (N	Client ID:	F1806744-03	QC Sample:	MC1093364-4	QC Batch ID:	Associated sample(s): 03	Mansfield Lab	- elsteM IstoT
50		NC	шд/кд	LS0.0		LS0.0		Įĕ	Mercury, Tota

Lab Duplicate Analysis

Batch Quality Control

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# INORGANICS & MISCELLANEOUS



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02/27/18 12:15

02/27/18 Not Specified

Page G-108 Lab Number: L1806744

Report Date: 03/06/18

Date Collected:

Date Received:

Field Prep:

**SAMPLE RESULTS** 

Lab ID: L1806744-01 Client ID: **EP-9SLPC** 

Sample Location: FLOWERFIELD INDUSTRIAL, ST. JAMES

GCA1704

Sample Depth:

Project Name:

NYSCEF DOC. NO. 51

Matrix: Soil

Project Number: GCA1704

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry	- Westborough Lab	)								
Solids, Total	92.6		%	0.100	NA	1	-	03/01/18 11:58	121,2540G	RI



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Lab Number: L1806744

Report Date:

03/06/18

**SAMPLE RESULTS** 

Lab ID: L1806744-02 EP-9PLP Client ID:

Project Number: GCA1704

GCA1704

Sample Location: FLOWERFIELD INDUSTRIAL, ST. JAMES

Date Collected: Date Received:

02/27/18 12:25 02/27/18

Field Prep:

Not Specified

Sample Depth:

Project Name:

NYSCEF DOC. NO. 51

Matrix: Soil

Parameter	Result Qual	ifier Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry	- Westborough Lab								
Solids, Total	81.1	%	0.100	NA	1	-	03/01/18 11:58	121,2540G	RI



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Lab Number: L1806744

Report Date:

03/06/18

**SAMPLE RESULTS** 

Lab ID: L1806744-03 Client ID: EP-12PLP1 (MH-1)

Project Number: GCA1704

GCA1704

78.9

Sample Location: FLOWERFIELD INDUSTRIAL, ST. JAMES

%

Date Collected: Date Received: Field Prep:

03/01/18 11:58

02/27/18 13:15 02/27/18 Not Specified

121,2540G

RI

Sample Depth:

Solids, Total

**Project Name:** 

NYSCEF DOC. NO. 51

Matrix: Soil

Analytical Method Dilution Date Date Result Qualifier Units MDL Factor Prepared Analyzed Parameter RL Analyst General Chemistry - Westborough Lab

NA

0.100



COUNTY SUFFOLK 06/14/2022 CLERK

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Page G-111 Serial\_No:03061811:32 Lab Duplicate Analysis

Batch Quality Control

GCA1704

Project Number: GCA1704 Project Name:

Report Date: 81/90/80 11806744 гар Иитрек:

Qual

50

Stimil Q9R

6.68

Duplicate Sample

%

StinU

0

GGA

4.68 General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1093513-1 QC Sample: L1806979-06 Client ID: DUP Sample

Native Sample

Solids, Total

Parameter

AHÇÎQ.

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\*Values in parentheses indicate holding time in days

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	Frozen			dm∍T	lgni₹	laitinl		noitemn	Container Info
(*)zizylsnA	əmiT\ətsQ	Seal	Pres	• •	Нq	Hd	Cooler	Container Type	Container ID
NYSUFFOLK-8260(14),TS(7)		Apsent	γ	2.4		AN	A	Glass 60mL/2oz unpreserved	A10-4478081J
NYSUFFOLK-8260(14)		tneedA	γ	2.4		₩N	A	Vial MeOH preserved split	X10 <del>-11</del> 290817
NA20FFOLK-8260(14)	28-FEB-18 20:17	tneedA	λ	2.4		ΑN	A	Vial Water preserved split	718067 <del>44</del> -017
NA2NEFOLK-8260(14)	28-FEB-18 20:17	tneedA	λ	2.4		∀N	A	Vial Water preserved split	Z10-44/290817
NA20FFOLK-8260(14),75(7)		InesdA	λ	2.4		∀N	A	Glass 60mL/2oz unpreserved	A20-₽₽76081J
NA20FFOLK-8260(14)		tneedA	γ	2.4		∀N	A	Yial MeOH preserved split	L1806744-02X
NA20FFOLK-8260(14)	28-FEB-18 20:17	Absent	λ	2.4		ΑN	A	Vial Water preserved split	YS0-44-02Y
NA2NEEOFK-8560(14)	28-FEB-18 20:17	tneedA	γ	2.4		ΑN	A	Vial Water preserved split	Z20-44-05Z
NA20FFOLK-8260(14)		Absent	λ	2.4		₩	A	Glass 60mL/2oz unpreserved	¥60-₽₽/90817
PE-TI(180),PS-TI(180),BC-TI(180),DC- TI(180),CR-TI(180),NT-TI(180),CD- TI(180),PB-TI(180),SE-TI(180),CD- TI(180)		tneedA	Y	5.4		∀N	A	Glass 60mL'2oz unpreserved	860-4473081
NA20FFOLK-8260(14)		tnesdA	λ	2,4		∀N	A	iliqa bəvrəsərq HOəM IsiV	XE0-##290817
NA20FFOLK-8260(14)	28-FEB-18 20:17	tnesdA	Y	2.4		∀N	A	Vial Water preserved split	L1806744-03Y
NA20FFOLK-8260(14)	28-FEB-18 20:17	<b>Absent</b>	γ	2.4		∀N	A	Vial Water preserved split	ZE0-44/90817

Absent Cooler Custody Seal Cooler Information

Were project specific reporting limits specified?

Sample Receipt and Container Information

**KES** 

Report Date: 03/06/18 Project Number: GCA1704 Lab Number: L1806744 $\rm Page~G-112$ Project Name: GCA1704

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Serial\_No:03061811:32

L1806744 Page G-113 **Project Name:** Lab Number: GCA1704

Report Date: Project Number: GCA1704 03/06/18

**GLOSSARY** 

Acronvms

EDL

MS

NYSCEF DOC. NO. 51

- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA Environmental Protection Agency.

- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

- Laboratory Control Sample Duplicate: Refer to LCS.

- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of LFB

analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for

which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable

NC. - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

 $NDPA/DPA \quad \text{- $N$-Nitrosodiphenylamine}/Diphenylamine.$ 

- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the RPD precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the

values; although the RPD value will be provided in the report. - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the

associated field samples. STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

#### Footnotes

SRM

TIC

The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Waterpreserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'. Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

#### Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

В - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



COUNTY CLERK 06/14/2022 SUFFOLK

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L1806744 Page G-114 **Project Name:** Lab Number: GCA1704

**Report Date: Project Number:** GCA1704 03/06/18

#### Data Qualifiers

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projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- $\mathbf{C}$ - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- T - The lower value for the two columns has been reported due to obvious interference.
- M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where NJ the identification is based on a mass spectral library search.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- 0 - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R - Analytical results are from sample re-analysis.
- RE - Analytical results are from sample re-extraction.
- S - Analytical results are from modified screening analysis.
- J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



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Project Name: GCA1704 Lab Number: L1806744 Page G-115

Project Number: GCA1704 Report Date: 03/06/18

#### **REFERENCES**

Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



CLERK 06/14/2022 SUFFOLK COUNTY

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Department: Quality Assurance Title: Certificate/Approval Program Summary

#### **Certification Information**

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#### The following analytes are not included in our Primary NELAP Scope of Accreditation:

#### Westborough Facility

EPA 624: m/p-xylene, o-xylene

Alpha Analytical, Inc.

Facility: Company-wide

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: lodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 300: DW: Bromide EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

#### Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

#### The following analytes are included in our Massachusetts DEP Scope of Accreditation

#### Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP. Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

#### Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, EPA 351.1, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs EPA 625: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.

### Mansfield Facility:

#### **Drinking Water**

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. FPA 522.

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn. EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg. SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Document Type: Form

Pre-Qualtrax Document ID: 08-113

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Form No: 01-25 HC (rev. 30-Sept-2013)	aNSOH	D=H <sub>2</sub> SO <sub>4</sub> G=Gla E=NaOH B=Bac	ve Code:		23	2	3 10 -nh(30	(Lab Use Only)		Please specify Metals or TAL	Other project specific requirements/comments:	These samples have been previously analyzed by Alpha	Email: Thomas many apssencen	Fax:	(631)	Stef Bohema		Client: Tom Medio	Client information	g 26	Wastberough, MA 91581	AH-MA	
-2013)	O = Other E = Encore D = BOO Bottle	G = Glasis B = Bacteris Cup C = Cube	er Code stic per Glass		147471-4	7	7-95LR	Sam		AL	Jirements/comme	previously analyzed	mos assessed		6353	91-111	Y			TEL 508-922-9300 FAX: 508-922-3288	Mansfield, MA 02048	CHAIN OF	MAN TOWN
1	Sempland Co		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		(1-HW)	d I		Sample ID			nts:	by Alpha	Rush (only if pre approved)	Standard	Turn*Around Time	1 1	Project Manager Ton	(Use Project name as Project#)	Project Location: - Loc Project #	Project Name: GC	Project Information	Alberty, NY 12205: 14 Walker Way  Yesswands, NY 14160: 275 Cooper Are, Suits 106	Markwath, NJ 97430: 35 Whitney Rd Sulta 5
	100		MA935		€	1. 1	iz.	Date 1									-	yject#) ⊠	-lower field	41704		by By Sare, Suite 108	Har diller of
no.	18 1600 ME				315	,	7177	Time Sample					# of Days:	Due Date:					Lindustrial, St. James		,		
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	97 L2 81/L1/2												rge	Φ.	Other	NY CP-51	NY Part 375	ì		ASP-B		0/27/18	
(See reverse side:)	THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS	start until any ambiguities are	Please print clearly, legitly and completely. Samples can				4	Sample Specific Comments	(Please Specify below)	Preservation Lab to de	Lab to de	Sample Filtration	Other	~ ~	Disposal Facility	applicable disposal tacilibes.	Please identify below location of	Disposal Site Information	PO#	Same as Client Info	Billing Information	ALPHA Job#	rage U-11/

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### **ANALYTICAL REPORT**

Lab Number: L1807506

Client: P. W. Grosser

630 Johnson Avenue

Suite 7

Bohemia, NY 11716

ATTN: Thomas Melia (631) 589-6353 Phone:

GYRODYNE INDUSTRIAL Project Name:

Project Number: GCA1704 Report Date: 03/12/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



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Receive Date	Collection Date/Time	Sample Location	xirisM	Client ID	Alpha Gl əlqms2
81/90/80	94:01 81/90/80	1 FLOWERFIELD, ST. JAMES	NOS	Eb-112Fb	10-90920817
81/90/80	03/02/18 11:25	1 FLOWERFIELD, ST. JAMES	ROIL	EP-13ST	70-909/08
81/90/60	04:11 81/30/60	1 FLOWERFIELD, ST. JAMES	NOS	ЕЬ-13ЫГЬ	F1807506-03
81/90/80	03/02/18 12:02	1 FLOWERFIELD, ST. JAMES	ROIL	Eb-15blb	70-909/0817
81/90/80	03/02/18 15:22	1 FLOWERFIELD, ST. JAMES	ROIF	Eb-2D13	50-9057081
81/90/60	03/02/18 13:02	1 FLOWERFIELD, ST. JAMES	NOS	EP-SD17	71807506-06

 $\begin{array}{lll} \text{Lab Number:} & \text{L180P506} \\ \text{All Date:} & 03/12/18 \\ \end{array}$ 

Project Number: GCA1704

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Project Name:GYRODYNE INDUSTRIALLab Number:L1807506Project Number:GCA1704Report Date:03/12/18

#### **Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



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Project Name:GYRODYNE INDUSTRIALLab Number:L1807506Project Number:GCA1704Report Date:03/12/18

**Case Narrative (continued)** 

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Cartin Walker Cristin Walker

Authorized Signature:

Title: Technical Director/Representative

Date: 03/12/18

Дірна

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# **ORGANICS**



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# **VOLATILES**



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Serial\_No:03121813:43

L1807506 Page G-124 **Project Name:** Lab Number: GYRODYNE INDUSTRIAL

**Project Number:** Report Date: 03/12/18 GCA1704 **SAMPLE RESULTS** 

Lab ID: Date Collected: 03/05/18 10:45 L1807506-01 Client ID: EP-11SLP Date Received: 03/05/18 Not Specified

Sample Location: 1 FLOWERFIELD, ST. JAMES Field Prep: Sample Depth:

Matrix: Soil Analytical Method: 1,8260C

03/09/18 11:37

Analyst: ΜV

84% Percent Solids:

Analytical Date:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - We	estborough Lab					
Methylene chloride	ND		ug/kg	8.5	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.23	1
Chloroform	ND		ug/kg	1.3	0.31	1
Carbon tetrachloride	ND		ug/kg	0.85	0.29	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.19	1
Dibromochloromethane	ND		ug/kg	0.85	0.15	1
,1,2-Trichloroethane	ND		ug/kg	1.3	0.26	1
Tetrachloroethene	ND		ug/kg	0.85	0.26	1
Chlorobenzene	0.41	J	ug/kg	0.85	0.29	1
richlorofluoromethane	ND		ug/kg	4.2	0.35	1
,2-Dichloroethane	ND		ug/kg	0.85	0.21	1
,1,1-Trichloroethane	ND		ug/kg	0.85	0.30	1
Bromodichloromethane	ND		ug/kg	0.85	0.26	1
rans-1,3-Dichloropropene	ND		ug/kg	0.85	0.18	1
is-1,3-Dichloropropene	ND		ug/kg	0.85	0.20	1
,1-Dichloropropene	ND		ug/kg	4.2	0.28	1
Bromoform	ND		ug/kg	3.4	0.20	1
,1,2,2-Tetrachloroethane	ND		ug/kg	0.85	0.25	1
Benzene	ND		ug/kg	0.85	0.16	1
 Foluene	0.37	J	ug/kg	1.3	0.16	1
Ethylbenzene	ND		ug/kg	0.85	0.14	1
/inyl chloride	ND		ug/kg	1.7	0.27	1
Chloroethane	ND		ug/kg	1.7	0.27	1
,1-Dichloroethene	ND		ug/kg	0.85	0.32	1
rans-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
richloroethene	ND		ug/kg	0.85	0.26	1
,2-Dichlorobenzene	ND		ug/kg	4.2	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	4.2	0.18	1
,4-Dichlorobenzene	0.42	J	ug/kg	4.2	0.15	1

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Serial\_No:03121813:43

**Project Name:** GYRODYNE INDUSTRIAL Lab Number:

L1807506 Page G-125

**Project Number:** GCA1704 **Report Date:** 

03/12/18

**SAMPLE RESULTS** 

Lab ID: L1807506-01 Client ID: EP-11SLP

Date Collected:

03/05/18 10:45 03/05/18

Sample Location:

1 FLOWERFIELD, ST. JAMES

Date Received: Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborou	ıgh Lab					
Methyl tert butyl ether	ND		ug/kg	1.7	0.13	1
p/m-Xylene	ND		ug/kg	1.7	0.30	1
o-Xylene	ND		ug/kg	1.7	0.29	1
Xylenes, Total	ND		ug/kg	1.7	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	0.29	1
Dibromomethane	ND		ug/kg	8.5	0.20	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	8.5	0.42	1
Acetone	12		ug/kg	8.5	1.9	1
2-Butanone	2.6	J	ug/kg	8.5	0.58	1
4-Methyl-2-pentanone	ND		ug/kg	8.5	0.21	1
1,2,3-Trichloropropane	ND		ug/kg	8.5	0.15	1
Bromochloromethane	ND		ug/kg	4.2	0.30	1
2,2-Dichloropropane	ND		ug/kg	4.2	0.38	1
1,2-Dibromoethane	ND		ug/kg	3.4	0.17	1
1,3-Dichloropropane	ND		ug/kg	4.2	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.85	0.27	1
Bromobenzene	ND		ug/kg	4.2	0.18	1
n-Butylbenzene	ND		ug/kg	0.85	0.19	1
sec-Butylbenzene	ND		ug/kg	0.85	0.18	1
tert-Butylbenzene	ND		ug/kg	4.2	0.21	1
o-Chlorotoluene	ND		ug/kg	4.2	0.19	1
p-Chlorotoluene	ND		ug/kg	4.2	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.2	0.34	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.29	1
Isopropylbenzene	ND		ug/kg	0.85	0.16	1
p-Isopropyltoluene	ND		ug/kg	0.85	0.17	1
Naphthalene	ND		ug/kg	4.2	0.12	1
n-Propylbenzene	ND		ug/kg	0.85	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.2	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.2	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.2	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.2	0.16	1
p-Diethylbenzene	ND		ug/kg	3.4	3.4	1
p-Ethyltoluene	ND		ug/kg	3.4	0.20	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.13	1



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RECEIVED NYSCEF: 06/14/2022

INDEX NO. 608051/2022

Serial\_No:03121813:43

L1807506 Page G-126 **Project Name:** Lab Number: GYRODYNE INDUSTRIAL

**Project Number:** Report Date: 03/12/18 GCA1704

**SAMPLE RESULTS** 

Lab ID: Date Collected: 03/05/18 10:45 L1807506-01 Client ID: EP-11SLP Date Received: 03/05/18 1 FLOWERFIELD, ST. JAMES Field Prep: Not Specified Sample Location:

Sample Depth:

NYSCEF DOC. NO. 51

Parameter Result Qualifier Units RL MDL **Dilution Factor** 

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	94	70-130	
Toluene-d8	94	70-130	
4-Bromofluorobenzene	100	70-130	
Dibromofluoromethane	96	70-130	

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RECEIVED NYSCEF: 06/14/2022

Serial\_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL Lab Number: L1807506
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Project Number: GCA1704 Report Date: 03/12/18 SAMPLE RESULTS

 Lab ID:
 L1807506-02
 Date Collected:
 03/05/18 11:25

 Client ID:
 EP-13ST
 Date Received:
 03/05/18

Sample Location: 1 FLOWERFIELD, ST. JAMES Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/09/18 12:03

Analyst: MV Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - W	estborough Lab					
Methylene chloride	ND		ug/kg	13	2.1	1
1,1-Dichloroethane	ND		ug/kg	1.9	0.34	1
Chloroform	ND		ug/kg	1.9	0.47	1
Carbon tetrachloride	ND		ug/kg	1.3	0.44	1
1,2-Dichloropropane	ND		ug/kg	4.4	0.29	1
Dibromochloromethane	ND		ug/kg	1.3	0.22	1
1,1,2-Trichloroethane	ND		ug/kg	1.9	0.39	1
Tetrachloroethene	ND		ug/kg	1.3	0.38	1
Chlorobenzene	ND		ug/kg	1.3	0.44	1
Trichlorofluoromethane	ND		ug/kg	6.3	0.53	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	1.3	0.44	1
Bromodichloromethane	ND		ug/kg	1.3	0.39	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	1.3	0.29	1
1,1-Dichloropropene	ND		ug/kg	6.3	0.41	1
Bromoform	ND		ug/kg	5.0	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.3	0.38	1
Benzene	ND		ug/kg	1.3	0.24	1
Toluene	4.9		ug/kg	1.9	0.25	1
Ethylbenzene	0.42	J	ug/kg	1.3	0.21	1
Vinyl chloride	ND		ug/kg	2.5	0.40	1
Chloroethane	ND		ug/kg	2.5	0.40	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.47	1
rans-1,2-Dichloroethene	ND		ug/kg	1.9	0.30	1
Frichloroethene	ND		ug/kg	1.3	0.38	1
1,2-Dichlorobenzene	ND		ug/kg	6.3	0.23	1
1,3-Dichlorobenzene	ND		ug/kg	6.3	0.28	1
,4-Dichlorobenzene	0.24	J	ug/kg	6.3	0.23	1

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RECEIVED NYSCEF: 06/14/2022

Serial\_No:03121813:43

**Project Name:** GYRODYNE INDUSTRIAL Lab Number:

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**Project Number:** GCA1704 **Report Date:** 

03/12/18

**SAMPLE RESULTS** 

Lab ID: L1807506-02 Client ID: EP-13ST

Sample Location: 1 FLOWERFIELD, ST. JAMES Date Collected: 03/05/18 11:25 Date Received: 03/05/18 Field Prep: Not Specified

Sample Depth:

oumpro = optim						
Parameter	Resul	t Qualific	er Units	RL	MDL	Dilution Factor
Volatile Organics by GC	/MS - Westborough Lab					
Methyl tert butyl ether	ND		ug/kg	2.5	0.19	1
p/m-Xylene	ND		ug/kg	2.5	0.44	1
o-Xylene	ND		ug/kg	2.5	0.43	1
Xylenes, Total	ND		ug/kg	2.5	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.43	1
Dibromomethane	ND		ug/kg	13	0.30	1
Styrene	ND		ug/kg	2.5	0.51	1
Dichlorodifluoromethane	ND		ug/kg	13	0.63	1
Acetone	54		ug/kg	13	2.9	1
2-Butanone	ND		ug/kg	13	0.87	1
4-Methyl-2-pentanone	ND		ug/kg	13	0.31	1
1,2,3-Trichloropropane	ND		ug/kg	13	0.22	1
Bromochloromethane	ND		ug/kg	6.3	0.45	1
2,2-Dichloropropane	ND		ug/kg	6.3	0.57	1
1,2-Dibromoethane	ND		ug/kg	5.0	0.25	1
1,3-Dichloropropane	ND		ug/kg	6.3	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.3	0.40	1
Bromobenzene	ND		ug/kg	6.3	0.28	1
n-Butylbenzene	ND		ug/kg	1.3	0.29	1
sec-Butylbenzene	ND		ug/kg	1.3	0.27	1
tert-Butylbenzene	ND		ug/kg	6.3	0.31	1
o-Chlorotoluene	ND		ug/kg	6.3	0.28	1
p-Chlorotoluene	ND		ug/kg	6.3	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	6.3	0.50	1
Hexachlorobutadiene	ND		ug/kg	6.3	0.44	1
Isopropylbenzene	0.41	J	ug/kg	1.3	0.24	1
p-Isopropyltoluene	1.5		ug/kg	1.3	0.25	1
Naphthalene	ND		ug/kg	6.3	0.17	1
n-Propylbenzene	ND		ug/kg	1.3	0.27	1
1,2,3-Trichlorobenzene	ND		ug/kg	6.3	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	6.3	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	6.3	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	6.3	0.23	1
p-Diethylbenzene	ND		ug/kg	5.0	5.0	1
p-Ethyltoluene	ND		ug/kg	5.0	0.30	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	5.0	0.20	1



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INDEX NO. 608051/2022 RECEIVED NYSCEF: 06/14/2022

Serial\_No:03121813:43

L1807506 Page G-129 **Project Name:** Lab Number: GYRODYNE INDUSTRIAL

**Project Number:** Report Date: GCA1704 03/12/18

**SAMPLE RESULTS** 

Lab ID: Date Collected: 03/05/18 11:25 L1807506-02 Client ID: EP-13ST Date Received: 03/05/18 1 FLOWERFIELD, ST. JAMES Field Prep: Sample Location: Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL **Dilution Factor** 

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	91	70-130	
Toluene-d8	90	70-130	
4-Bromofluorobenzene	94	70-130	
Dibromofluoromethane	100	70-130	

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RECEIVED NYSCEF: 06/14/2022

Serial\_No:03121813:43

L1807506 Page G-130 **Project Name:** Lab Number: GYRODYNE INDUSTRIAL

**Project Number:** Report Date: 03/12/18 GCA1704

**SAMPLE RESULTS** 

Lab ID: Date Collected: 03/05/18 11:40 L1807506-03 Client ID: EP-13PLP Date Received: 03/05/18 Sample Location: 1 FLOWERFIELD, ST. JAMES Field Prep: Not Specified

Sample Depth:

Matrix: Soil Analytical Method: 1,8260C Analytical Date: 03/09/18 12:29

Analyst: ΜV 90% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - We	estborough Lab					
Methylene chloride	ND		ug/kg	9.7	1.6	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.26	1
Chloroform	ND		ug/kg	1.5	0.36	1
Carbon tetrachloride	ND		ug/kg	0.97	0.34	1
1,2-Dichloropropane	ND		ug/kg	3.4	0.22	1
Dibromochloromethane	ND		ug/kg	0.97	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.30	1
Tetrachloroethene	ND		ug/kg	0.97	0.29	1
Chlorobenzene	ND		ug/kg	0.97	0.34	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.40	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.97	0.34	1
Bromodichloromethane	ND		ug/kg	0.97	0.30	1
rans-1,3-Dichloropropene	ND		ug/kg	0.97	0.20	1
cis-1,3-Dichloropropene	ND		ug/kg	0.97	0.22	1
1,1-Dichloropropene	ND		ug/kg	4.9	0.32	1
Bromoform	ND		ug/kg	3.9	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.97	0.29	1
Benzene	ND		ug/kg	0.97	0.19	1
 Toluene	ND		ug/kg	1.5	0.19	1
Ethylbenzene	ND		ug/kg	0.97	0.16	1
Vinyl chloride	ND		ug/kg	1.9	0.31	1
Chloroethane	ND		ug/kg	1.9	0.31	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.36	1
rans-1,2-Dichloroethene	ND		ug/kg	1.5	0.23	1
Trichloroethene	ND		ug/kg	0.97	0.29	1
1,2-Dichlorobenzene	ND		ug/kg	4.9	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	4.9	0.21	1
1,4-Dichlorobenzene	ND		ug/kg	4.9	0.18	1

1 FLOWERFIELD, ST. JAMES

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Serial\_No:03121813:43

**Project Name:** Lab Number: GYRODYNE INDUSTRIAL

Recult

**Project Number:** GCA1704 **Report Date:** 

L1807506 Page G-131

03/12/18

**SAMPLE RESULTS** 

Lab ID: L1807506-03 Client ID: EP-13PLP

Date Received: 03/05/18

Sample Location:

Date Collected: Field Prep:

Not Specified

03/05/18 11:40

Sample Depth:

Qualifier Unite RI MDI **Dilution Factor** 

Parameter	Result	Qualifier Units	RL	MDL	Dilution Factor	
Volatile Organics by GC	/MS - Westborough Lab					
Methyl tert butyl ether	ND	ug/kg	1.9	0.15	1	
p/m-Xylene	ND	ug/kg	1.9	0.34	1	
o-Xylene	ND	ug/kg	1.9	0.33	1	
Xylenes, Total	ND	ug/kg	1.9	0.33	1	
cis-1,2-Dichloroethene	ND	ug/kg	0.97	0.33	1	
Dibromomethane	ND	ug/kg	9.7	0.23	1	
Styrene	ND	ug/kg	1.9	0.39	1	
Dichlorodifluoromethane	ND	ug/kg	9.7	0.49	1	
Acetone	10	ug/kg	9.7	2.2	1	
2-Butanone	ND	ug/kg	9.7	0.67	1	
4-Methyl-2-pentanone	ND	ug/kg	9.7	0.24	1	
1,2,3-Trichloropropane	ND	ug/kg	9.7	0.17	1	
Bromochloromethane	ND	ug/kg	4.9	0.35	1	
2,2-Dichloropropane	ND	ug/kg	4.9	0.44	1	
1,2-Dibromoethane	ND	ug/kg	3.9	0.19	1	
1,3-Dichloropropane	ND	ug/kg	4.9	0.18	1	
1,1,1,2-Tetrachloroethane	ND	ug/kg	0.97	0.31	1	
Bromobenzene	ND	ug/kg	4.9	0.21	1	
n-Butylbenzene	ND	ug/kg	0.97	0.22	1	
sec-Butylbenzene	ND	ug/kg	0.97	0.21	1	
tert-Butylbenzene	ND	ug/kg	4.9	0.24	1	
o-Chlorotoluene	ND	ug/kg	4.9	0.22	1	
p-Chlorotoluene	ND	ug/kg	4.9	0.18	1	
1,2-Dibromo-3-chloropropane	ND	ug/kg	4.9	0.38	1	
Hexachlorobutadiene	ND	ug/kg	4.9	0.34	1	
Isopropylbenzene	ND	ug/kg	0.97	0.19	1	
p-Isopropyltoluene	ND	ug/kg	0.97	0.20	1	
Naphthalene	ND	ug/kg	4.9	0.13	1	
n-Propylbenzene	ND	ug/kg	0.97	0.21	1	
1,2,3-Trichlorobenzene	ND	ug/kg	4.9	0.24	1	
1,2,4-Trichlorobenzene	ND	ug/kg	4.9	0.21	1	
1,3,5-Trimethylbenzene	ND	ug/kg	4.9	0.16	1	
1,2,4-Trimethylbenzene	ND	ug/kg	4.9	0.18	1	
p-Diethylbenzene	ND	ug/kg	3.9	3.9	1	
p-Ethyltoluene	ND	ug/kg	3.9	0.23	1	
1,2,4,5-Tetramethylbenzene	ND	ug/kg	3.9	0.15	1	

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Serial\_No:03121813:43

L1807506 Page G-132 **Project Name:** Lab Number: GYRODYNE INDUSTRIAL

**Project Number:** Report Date: 03/12/18 GCA1704

**SAMPLE RESULTS** 

Lab ID: Date Collected: 03/05/18 11:40 L1807506-03 Client ID: EP-13PLP Date Received: 03/05/18 1 FLOWERFIELD, ST. JAMES Field Prep: Sample Location: Not Specified

Sample Depth:

NYSCEF DOC. NO. 51

Parameter Result Qualifier Units RL MDL **Dilution Factor** 

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	107	70-130	
Toluene-d8	97	70-130	
4-Bromofluorobenzene	103	70-130	
Dibromofluoromethane	102	70-130	

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RECEIVED NYSCEF: 06/14/2022

Serial\_No:03121813:43

L1807506 Page G-133 **Project Name:** Lab Number: GYRODYNE INDUSTRIAL

**Project Number:** Report Date: GCA1704 03/12/18

**SAMPLE RESULTS** 

Lab ID: Date Collected: 03/05/18 12:05 L1807506-04 Client ID: EP-12PLP Date Received: 03/05/18 1 FLOWERFIELD, ST. JAMES Field Prep: Sample Location: Not Specified

Sample Depth:

Matrix: Soil Analytical Method: 1,8260C Analytical Date: 03/09/18 12:55

Analyst: ΜV 83% Percent Solids:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - We	estborough Lab					
Methylene chloride	ND		ug/kg	10	1.7	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.28	1
Chloroform	ND		ug/kg	1.5	0.38	1
Carbon tetrachloride	ND		ug/kg	1.0	0.35	1
1,2-Dichloropropane	ND		ug/kg	3.6	0.23	1
Dibromochloromethane	ND		ug/kg	1.0	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.32	1
Tetrachloroethene	ND		ug/kg	1.0	0.31	1
Chlorobenzene	4.1		ug/kg	1.0	0.36	1
Frichlorofluoromethane	ND		ug/kg	5.1	0.43	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	1.0	0.36	1
Bromodichloromethane	ND		ug/kg	1.0	0.32	1
rans-1,3-Dichloropropene	ND		ug/kg	1.0	0.21	1
cis-1,3-Dichloropropene	ND		ug/kg	1.0	0.24	1
1,1-Dichloropropene	ND		ug/kg	5.1	0.34	1
Bromoform	ND		ug/kg	4.1	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.30	1
3enzene	0.92	J	ug/kg	1.0	0.20	1
 Toluene	1.3	J	ug/kg	1.5	0.20	1
Ethylbenzene	2.3		ug/kg	1.0	0.17	1
Vinyl chloride	ND		ug/kg	2.0	0.32	1
Chloroethane	ND		ug/kg	2.0	0.32	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.38	1
rans-1,2-Dichloroethene	ND		ug/kg	1.5	0.25	1
Frichloroethene	ND		ug/kg	1.0	0.31	1
1,2-Dichlorobenzene	0.29	J	ug/kg	5.1	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	5.1	0.22	1
,4-Dichlorobenzene	1.0	J	ug/kg	5.1	0.19	1

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INDEX NO. 608051/2022 RECEIVED NYSCEF: 06/14/2022

Serial\_No:03121813:43

L1807506 Page G-134 **Project Name:** Lab Number: GYRODYNE INDUSTRIAL

**Project Number:** GCA1704 **Report Date:** 03/12/18

**SAMPLE RESULTS** 

Lab ID: L1807506-04 Date Collected: 03/05/18 12:05 Client ID: EP-12PLP Date Received: 03/05/18 Sample Location: 1 FLOWERFIELD, ST. JAMES Field Prep: Not Specified

Sample Depth:

NYSCEF DOC. NO. 51

	D "	01.4:.	11	DI.	MDI	Dilution Footon
Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	stborough Lab					
Methyl tert butyl ether	ND		ug/kg	2.0	0.16	1
p/m-Xylene	3.9		ug/kg	2.0	0.36	1
o-Xylene	6.0		ug/kg	2.0	0.35	1
Xylenes, Total	9.9		ug/kg	2.0	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.35	1
Dibromomethane	ND		ug/kg	10	0.24	1
Styrene	ND		ug/kg	2.0	0.41	1
Dichlorodifluoromethane	ND		ug/kg	10	0.51	1
Acetone	6.1	J	ug/kg	10	2.3	1
2-Butanone	ND		ug/kg	10	0.71	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.25	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.18	1
Bromochloromethane	ND		ug/kg	5.1	0.37	1
2,2-Dichloropropane	ND		ug/kg	5.1	0.46	1
1,2-Dibromoethane	ND		ug/kg	4.1	0.20	1
1,3-Dichloropropane	ND		ug/kg	5.1	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.33	1
Bromobenzene	ND		ug/kg	5.1	0.22	1
n-Butylbenzene	ND		ug/kg	1.0	0.23	1
sec-Butylbenzene	ND		ug/kg	1.0	0.22	1
tert-Butylbenzene	ND		ug/kg	5.1	0.25	1
o-Chlorotoluene	ND		ug/kg	5.1	0.23	1
p-Chlorotoluene	ND		ug/kg	5.1	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	0.41	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.36	1
Isopropylbenzene	0.39	J	ug/kg	1.0	0.20	1
p-Isopropyltoluene	0.38	J	ug/kg	1.0	0.21	1
Naphthalene	0.92	J	ug/kg	5.1	0.14	1
n-Propylbenzene	0.91	J	ug/kg	1.0	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.1	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.1	0.22	1
1,3,5-Trimethylbenzene	2.2	J	ug/kg	5.1	0.16	1
1,2,4-Trimethylbenzene	1.8	J	ug/kg	5.1	0.19	1
p-Diethylbenzene	ND		ug/kg	4.1	4.1	1
p-Ethyltoluene	3.4	J	ug/kg	4.1	0.24	1
1,2,4,5-Tetramethylbenzene	0.75	J	ug/kg	4.1	0.16	1
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INDEX NO. 608051/2022 RECEIVED NYSCEF: 06/14/2022

Serial\_No:03121813:43

**Project Name:** GYRODYNE INDUSTRIAL Lab Number:

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**Project Number:** GCA1704 Report Date:

03/12/18

**SAMPLE RESULTS** 

1 FLOWERFIELD, ST. JAMES

Lab ID: L1807506-04 Client ID: EP-12PLP

Date Collected: 03/05/18 12:05 Date Received: 03/05/18

MDL

Sample Location:

Field Prep:

RL

Not Specified

Sample Depth:

Parameter

NYSCEF DOC. NO. 51

Result

Units

**Dilution Factor** 

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	99	70-130	
Toluene-d8	90	70-130	
4-Bromofluorobenzene	102	70-130	
Dibromofluoromethane	108	70-130	

Qualifier

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RECEIVED NYSCEF: 06/14/2022

Serial\_No:03121813:43

Project Name: GYRODYNE INDUSTRIAL

**Lab Number:** Page G-136 L1807506

Project Number: GCA1704

**Report Date:** 03/12/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: 1,8260C 03/09/18 09:52

Analyst:

MV

Parameter	Result	Qualifier Units	s RL	MDL	
Volatile Organics by GC/MS	- Westborough Lai	o for sample(s):	01-04 Batch	: WG1095945-5	
Methylene chloride	ND	ug/k	g 10	1.6	
1,1-Dichloroethane	ND	ug/k	g 1.5	0.27	
Chloroform	ND ND	ug/k	g 1.5	0.37	
Carbon tetrachloride	ND	ug/k	g 1.0	0.34	
1,2-Dichloropropane	ND	ug/k	g 3.5	0.23	
Dibromochloromethane	ND	ug/k	g 1.0	0.18	
1,1,2-Trichloroethane	ND	ug/k	g 1.5	0.31	
Tetrachloroethene	ND	ug/k	g 1.0	0.30	
Chlorobenzene	ND	ug/k	g 1.0	0.35	
Trichlorofluoromethane	ND	ug/k	g 5.0	0.42	
1,2-Dichloroethane	ND	ug/k	g 1.0	0.25	
1,1,1-Trichloroethane	ND	ug/k	g 1.0	0.35	
Bromodichloromethane	ND	ug/k	g 1.0	0.31	
trans-1,3-Dichloropropene	ND	ug/k	g 1.0	0.21	
cis-1,3-Dichloropropene	ND ND	ug/k	g 1.0	0.23	
1,1-Dichloropropene	ND	ug/k	g 5.0	0.33	
Bromoform	ND	ug/k	g 4.0	0.24	
1,1,2,2-Tetrachloroethane	ND	ug/k	g 1.0	0.30	
Benzene	ND	ug/k	g 1.0	0.19	
Toluene	ND	ug/k	g 1.5	0.20	
Ethylbenzene	ND	ug/k	g 1.0	0.17	
Vinyl chloride	ND	ug/k	g 2.0	0.32	
Chloroethane	ND	ug/k	g 2.0	0.32	
1,1-Dichloroethene	ND	ug/k	g 1.0	0.37	
trans-1,2-Dichloroethene	ND	ug/k	g 1.5	0.24	
Trichloroethene	ND	ug/k	g 1.0	0.30	
1,2-Dichlorobenzene	ND	ug/k	g 5.0	0.18	
1,3-Dichlorobenzene	ND	ug/k	g 5.0	0.22	
1,4-Dichlorobenzene	ND	ug/k	g 5.0	0.18	



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03/12/18

Project Name: GYRODYNE INDUSTRIAL

GCA1704 Report Date:

Method Blank Analysis Batch Quality Control

Analytical Method:
Analytical Date:

**Project Number:** 

1,8260C 03/09/18 09:52

Analyst: MV

Parameter	Result	Qualifier Units	RL	MDL
Volatile Organics by GC/MS	- Westborough Lab	for sample(s): 01-04	Batch:	WG1095945-5
Methyl tert butyl ether	ND	ug/kg	2.0	0.15
p/m-Xylene	ND	ug/kg	2.0	0.35
o-Xylene	ND	ug/kg	2.0	0.34
Xylenes, Total	ND	ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND	ug/kg	1.0	0.34
Dibromomethane	ND	ug/kg	10	0.24
Styrene	ND	ug/kg	2.0	0.40
Dichlorodifluoromethane	ND	ug/kg	10	0.50
Acetone	ND	ug/kg	10	2.3
2-Butanone	ND	ug/kg	10	0.69
4-Methyl-2-pentanone	ND ND	ug/kg	10	0.24
1,2,3-Trichloropropane	ND	ug/kg	10	0.18
Bromochloromethane	ND	ug/kg	5.0	0.36
2,2-Dichloropropane	ND	ug/kg	5.0	0.45
1,2-Dibromoethane	ND	ug/kg	4.0	0.20
1,3-Dichloropropane	ND	ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND	ug/kg	1.0	0.32
Bromobenzene	ND	ug/kg	5.0	0.22
n-Butylbenzene	ND	ug/kg	1.0	0.23
sec-Butylbenzene	ND	ug/kg	1.0	0.22
tert-Butylbenzene	ND	ug/kg	5.0	0.25
o-Chlorotoluene	ND	ug/kg	5.0	0.22
p-Chlorotoluene	ND	ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND	ug/kg	5.0	0.40
Hexachlorobutadiene	ND	ug/kg	5.0	0.35
Isopropylbenzene	ND	ug/kg	1.0	0.19
p-Isopropyltoluene	ND	ug/kg	1.0	0.20
Naphthalene	ND	ug/kg	5.0	0.14
n-Propylbenzene	ND	ug/kg	1.0	0.22



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Project Name: GYRODYNE INDUSTRIAL

**Lab Number:** Page G-138 L1807506

Project Number: GCA1704

**Report Date:** 03/12/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: 1,8260C 03/09/18 09:52

Analyst:

MV

Parameter	Result Q	ualifier Units	RL	MDL
/olatile Organics by GC/MS - \	Westborough Lab fo	r sample(s): 01-04	Batch:	WG1095945-5
1,2,3-Trichlorobenzene	ND	ug/kg	5.0	0.25
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND ND	ug/kg	5.0	0.19
Freon-113	ND	ug/kg	20	0.51
p-Diethylbenzene	ND	ug/kg	4.0	4.0
p-Ethyltoluene	ND	ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND	ug/kg	4.0	0.16

		Acceptance		
Surrogate	%Recovery	Qualifier	Criteria	
1,2-Dichloroethane-d4	89		70-130	
Toluene-d8	90		70-130	
4-Bromofluorobenzene	84		70-130	
Dibromofluoromethane	97		70-130	

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YHCTO VICTORIAN					Page 22 of 46
30	6	191-09	82	06	Chloroethane
30	12	081-78	<i>L</i> 8	86	Vinyl chloride
30	ļ	70-130	98	98	Ethylbenzene
30	6	70-130	98	66	Toluene
30	7	70-130	16	96	Benzene
30	11	70-130	98	Ш	anarthaorolhaerteT-2,2,1,1
30	0	70-130	98	98	шлоfо <b>т</b> озВ
30	9	70-130	06	96	-i-Dichloropropene
30	8	70-130	96	103	enegorgorohloid-£,f-aio
30	0	70-130	96	96	anaqorqoroldəci 1.3-Dichloropene
30	9	70-130	96	102	Bromordichloromethane
30	9	70-130	65	<i>L</i> 6	enstheorochairT-f,f,f
30	9	70-130	63	88	ensitheoroldoid-S,t
30	13	70-139	16	104	ensrltemoroultoroldonT
30	ç	70-130	98	06	- Chlorobenzene
30	91	70-130	<i>L</i> 8	102	Tetrachloroethene
30	7	70-130	96	16	engtheoroldoinT-S,t,t
30	ļ	70-130	65	86	- Dibromochloromethane
30	8	70-130	96	104	ansqorqoroldoid-S,t
30	10	70-130	96	102	Sarbon tetrachloride
30	8	70-130	26	100	mroforoldD
30	10	70-130	36	105	ənsrtfəoroldəi'G-t,t
30	L	70-130	86	100	Methylene chloride

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1095945-3 WG1095945-4

Limits	Qual	ОdИ	stimi.l	Qual	%Несочегу	Qual	<b>%Несо</b> чегу	Parameter
ada			<b>%</b> Весолегу		TCSD		<b>507</b>	

Report Date: Project Number: GCA1704 03/15/18

Project Name: T1807506 GYRODYNE INDUSTRIAL Lab Mumber:

Lab Control Sample Analysis
Batch Quality Control

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AHGID							Page 23 of 46
30		3	70-130	98		68	Bromobenzene
30		ı	70-130	06		16	ensdteoroldssteT-S,t,t,t
30		3	081-69	<del>1/</del> 6		16	ensqorqoroldoid-£, t
30		9	70-130	66		<b>7</b> 6	ensitteomordiG-S, t
30		15	70-130	16		103	2,2-Dichloropropane
30		L	70-130	100		107	Bromochloromethane
30		٩Į	081-89	78		97	ənsqorqorolhɔirT-£,2,1
30		Ļ	70-130	88		78	4-Methyl-2-pentanone
30		2	70-130	611		121	9-Butanone
30	Ø	33	071-79	131	Ø	183	Anotech
30		14	30-146	ř8		86	Dichlorodifluoromethane
30		ļ.	70-130	68		88	Styrene
30		Ļ	70-130	102		101	Dibromomethane
30		8	70-130	<b>†</b> 6		102	cis-1,5-Dichloroethene
30		ļ	130	68		06	euel/X-o
30		2	70-130	88		06	b/m-Xylene
30		Ļ	081-99	<b>7</b> 6		96	Methyl tert butyl ether
30		9	70-130	98		68	ənəznədoroldəi 🗗 4, İ
30		9	70-130	98		06	eneznedoroldiciG-£,†
30		7	70-130	78		16	eneznedoroldoiG-S, t
30		L	70-130	63		100	enertieoroldoirT
30		11	70-130	63		104	enerheorolrhoiG-S,t-ansit
30		13	92-132	16		104	enertheoroldoild-f,f

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1095945-3 WG1095945-4

 stimi1	Gual	ady	stimi.L	Qual	%Весолегу	Qual	%Весолегу	Parameter
adu			%Несолегу		гсер		507	

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ənəznədlyrltəmsıtəT-ट,4,S,t	88	28	70-130	L	30
p-Ethyltoluene	28	08	70-130	2	30
ənəznədlyriəi D-q	98	28	70-130	9	30
Fit-noer7	107	<del>7</del> 6	661-05	13	30
ənəznədlydəminT-4,2,1	83	18	70-130	2	30
ənəznədlydəminT-č,£,†	28	18	70-130	ļ	30
ənəznədorolhbirT-4,2,1	88	98	70-130	2	30
ənəznədorolrbirT-E,S,t	06	78	70-130	3	30
n-Propylbenzene	08	08	70-130	0	30
Naphthalene	48	83	70-130	ļ	30
p-lsopropyltoluene	98	18	70-130	9	30
pupzupal/doudos	08	64	70-130	ļ	30
Hexachlorobutadiene	88	28	081-79	L	30
ansqorqorolda-&-omordiG-S, f	87	83	081-89	9	30
p-Chlorotoluene	08	18	70-130	ļ	30
o-Chlorotoluene	87	08	70-130	3	30
ensznedlylug-het	98	08	70-130	9	30
eec-gnţ\peuzeue	48	18	130	7	30
u-Brt/\penzene	28	28	70-130	0	30

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1095945-3 WG1095945-4

Limits	Qual	ОdИ	stimi.l	Qual	%Несочегу	Qual	<b>%Несо</b> чегу	Parameter
ada			<b>%</b> Весолегу		TCSD		<b>507</b>	

Project Number: GCA1704 Report Date: 03/12/18

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Acceptance Criteria	leuD	%цесолецл ГСЗD	Gual	%цесолецу ГСЗ	Surrogate
70-130 70-130		7 <b>6</b> 101		88 103	∳b-aneritaorolrioiC-S,t 8b-aneuIoT
70-130		86 76		∠6 98	enesmedonouflomorda-4- enentiemorouflomordid

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1095945-3 WG1095945-4

Limits	Qual	GdB	sjimid	Qual	«Несолегу	Qual	%Весолегу	Parameter
ada			<b>%Несо</b> легу		тсер		FCS	

Report Date: Project Number: GCA1704 03/15/18

Project Name: GYRODYNE INDUSTRIAL L1807506 гэр улшрөк:

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# **SEMIVOLATILES**



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Serial\_No:03121813:43

**Project Name:** GYRODYNE INDUSTRIAL

**Project Number:** GCA1704 Lab Number: Report Date:

L1807506 Page G-144 03/12/18

**SAMPLE RESULTS** 

Lab ID: Client ID: L1807506-01 EP-11SLP

Sample Location:

1 FLOWERFIELD, ST. JAMES

Sample Depth:

Matrix:

Soil Analytical Method: 1,8270D

Analytical Date:

03/09/18 00:12

Analyst: Percent Solids: RC 84% Date Collected: 03/05/18 10:45 Date Received: 03/05/18 Field Prep: Not Specified

Extraction Method: EPA 3546 Extraction Date: 03/07/18 02:19

Parameter	Result	Qualifier Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS -	Westborough Lab				
Acenaphthene	ND	ug/kg	160	20.	1
Fluoranthene	ND	ug/kg	120	22.	1
Benzo(a)anthracene	ND	ug/kg	120	22.	1
Benzo(a)pyrene	ND	ug/kg	160	47.	1
Benzo(b)fluoranthene	ND	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND	ug/kg	120	31.	1
Chrysene	ND	ug/kg	120	20.	1
Anthracene	ND	ug/kg	120	38.	1
Benzo(ghi)perylene	ND	ug/kg	160	23.	1
Fluorene	ND	ug/kg	190	19.	1
Phenanthrene	ND	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND	ug/kg	160	27.	1
Pyrene	ND	ug/kg	120	19.	1
Surrogate		% Recovery	Qualifier		eptance riteria
Nitrobenzene-d5		101			23-120
2-Fluorobiphenyl		79			30-120

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18-120

4-Terphenyl-d14

GYRODYNE INDUSTRIAL

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Lab Number:

L1807506 Page G-145 Report Date:

03/12/18

**SAMPLE RESULTS** 

Lab ID: L1807506-05 Client ID: EP-SD13

1 FLOWERFIELD, ST. JAMES Sample Location:

Sample Depth:

Analytical Date:

**Project Name:** 

**Project Number:** 

Matrix: Soil Analytical Method:

1,8270D 03/09/18 02:35

GCA1704

Analyst: RC 80% Percent Solids:

Date Collected: 03/05/18 12:55 Date Received: 03/05/18 Field Prep: Not Specified

Extraction Method: EPA 3546 Extraction Date: 03/07/18 02:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - W	estborough Lab					
Acenaphthene	ND		ug/kg	160	21.	1
Fluoranthene	80	J	ug/kg	120	24.	1
Benzo(a)anthracene	35	J	ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	68	J	ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	51	J	ug/kg	120	22.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	44	J	ug/kg	160	24.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	35	J	ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	39	J	ug/kg	160	29.	1
Pyrene	70	J	ug/kg	120	20.	1
Surrogate			% Recovery	Qualifier	Accepta Crite	
Nitrobenzene-d5			93		23-	120
2-Fluorobiphenyl			68		30-	120
4-Terphenyl-d14			57		18- <sup>-</sup>	120

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Lab Number:

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Report Date: 03/12/18

**SAMPLE RESULTS** 

Lab ID: Client ID:

Matrix:

L1807506-06

GCA1704

Sample Location:

EP-SD17 1 FLOWERFIELD, ST. JAMES

GYRODYNE INDUSTRIAL

Sample Depth:

**Project Name:** 

**Project Number:** 

Soil

Analytical Method: Analytical Date:

1,8270D 03/09/18 02:11

Analyst: Percent Solids: RC 78% Date Collected: 03/05/18 13:05 Date Received: 03/05/18 Field Prep: Not Specified

Extraction Method: EPA 3546 Extraction Date: 03/07/18 02:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS -	Westborough Lab					
Acenaphthene	ND		ug/kg	170	22.	1
Fluoranthene	36	J	ug/kg	120	24.	1
Benzo(a)anthracene	ND		ug/kg	120	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	34.	1
Chrysene	ND		ug/kg	120	22.	1
Anthracene	ND		ug/kg	120	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	28	J	ug/kg	120	21.	1
Surrogate			% Recovery	Qualifier	Accept Crite	
Nitrobenzene-d5			95		23-	120
2-Fluorobiphenyl			73		30-	120

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4-Terphenyl-d14

SUFFOLK COUNTY 06/14/2022

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Project Name: GYRODYNE INDUSTRIAL

СВ

Page G-147 L1807506 Lab Number:

Project Number: GCA1704 **Report Date:** 

03/12/18

**Method Blank Analysis Batch Quality Control** 

Analytical Method: Analytical Date:

Analyst:

1,8270D 03/09/18 18:19

Extraction Method: EPA 3546

03/06/18 21:46 Extraction Date:

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/M	S - Westborou	gh Lab for s	ample(s):	01,05-06	Batch: WG1095078-1
Acenaphthene	ND		ug/kg	130	17.
Fluoranthene	ND		ug/kg	97	18.
Benzo(a)anthracene	ND	•	ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND	-	ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Anthracene	ND	÷	ug/kg	97	31.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.

Tentatively Identified Compounds

ND No Tentatively Identified Compounds ug/kg



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**Project Name:** 

GYRODYNE INDUSTRIAL

Lab Number:

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Project Number:

GCA1704

**Report Date:** 

03/12/18

**Method Blank Analysis Batch Quality Control** 

Analytical Method: Analytical Date:

1,8270D 03/09/18 18:19 Extraction Method: EPA 3546 Extraction Date:

MDL

03/06/18 21:46

Analyst:

СВ

Parameter | Result Qualifier Units

Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,05-06 Batch: WG1095078-1

Acceptance Surrogate %Recovery Qualifier Criteria 2-Fluorophenol 83 25-120 Phenol-d6 87 10-120 Nitrobenzene-d5 23-120 86 2-Fluorobiphenyl 94 30-120 2,4,6-Tribromophenol 91 10-136 4-Terphenyl-d14 97 18-120

SUFFOLK COUNTY CLERK 06/14/2022 03:06

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	FID MUDURIOL F		1.7		•	00		071.01
	lonərlqomordirT-Ə,4,S 4 Terphenyl-d 4		1.Z 1.Z			99 94		10-136 18-150
	2-Fluorobiphenyl		<b>7</b> Δ			Z9		30-150
	Vitrobenzene-d5		89		)	19		53-120
	Phenol-d6		69			79		10-120
	Z-Fluorophenol		89		,	19		52-150
	Surrogate		იეგყ%	סח		ιονειλ	Qual	Criteria
			70		7	CSD.		Acceptance
əuə		89		3	-145	8		20
q(bɔ-ɛ,ઽ,١)one	bluene	69		ħ	140	7		20
enzo(a,h)anthi	ргаселе	1.2		ħ	140	9		20
nanthrene		89		Þ	140	9		20
orene		04		t	041-	6		20
zo(ghi)peryler	eue	89		Þ	140	9		20
racene		04		Þ	041-	L		20
auas/		99		Þ	140	9		20
zo(k)fluoranth	;µeue	79		Þ	140	g		90
zo(p)tluoranth	еиец	79		Þ	041-	10		90
zo(a)pyrene		79		Þ	041-	9		20
zo(a)anthrace	əuə	99		t	140	9		09
oranthene		04		Þ	140	L		20
изритьеле		89		c	137	8		90

Parameter adu Limits Qual **%Весо**чегу Qual **%Весо**чегу

Limits Qnal жуесолегу S07 ada TCSD

6CA1704 Project Number: Report Date: 03/15/18 Project Name: 71807506 Lab Mumber:

GYRODYNE INDUSTRIAL Lab Control Sample Analysis
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# INORGANICS & MISCELLANEOUS



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Project Name:GYRODYNE INDUSTRIALLab Number:L1807506Project Number:GCA1704Report Date:03/12/18

**SAMPLE RESULTS** 

 Lab ID:
 L1807506-01
 Date Collected:
 03/05/18 10:45

 Client ID:
 EP-11SLP
 Date Received:
 03/05/18

 Sample Location:
 1 FLOWERFIELD, ST. JAMES
 Field Prep:
 Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry	- Westborough Lat	)								
Solids, Total	84.3		%	0.100	NA	1	-	03/06/18 14:27	121,2540G	RI



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**Project Name:** Lab Number: L1807506 GYRODYNE INDUSTRIAL Project Number: GCA1704 Report Date: 03/12/18

**SAMPLE RESULTS** 

Lab ID: L1807506-02 Date Collected: 03/05/18 11:25 Client ID: EP-13ST Date Received: 03/05/18 Not Specified Sample Location: 1 FLOWERFIELD, ST. JAMES Field Prep:

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry	· - Westborough Lab	)								
Solids, Total	76.2		%	0.100	NA	1	_	03/06/18 14:27	121.2540G	RI



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**Project Name:** Lab Number: L1807506 GYRODYNE INDUSTRIAL Project Number: GCA1704 Report Date: 03/12/18

**SAMPLE RESULTS** 

Lab ID: L1807506-03 Date Collected: 03/05/18 11:40 Client ID: EP-13PLP Date Received: 03/05/18 Not Specified Sample Location: 1 FLOWERFIELD, ST. JAMES Field Prep:

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry	- Westborough Lat	)								
Solids, Total	90.1		%	0.100	NA	1	-	03/06/18 14:27	121,2540G	RI



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Project Name:GYRODYNE INDUSTRIALLab Number:L1807506Project Number:GCA1704Report Date:03/12/18

**SAMPLE RESULTS** 

Lab ID:L1807506-04Date Collected:03/05/18 12:05Client ID:EP-12PLPDate Received:03/05/18Sample Location:1 FLOWERFIELD, ST. JAMESField Prep:Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry -	Westborough Lat	)								
Solids, Total	82.6		%	0.100	NA	1	-	03/06/18 14:27	121,2540G	RI



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Project Name:GYRODYNE INDUSTRIALLab Number:L1807506Project Number:GCA1704Report Date:03/12/18

**SAMPLE RESULTS** 

 Lab ID:
 L1807506-05
 Date Collected:
 03/05/18 12:55

 Client ID:
 EP-SD13
 Date Received:
 03/05/18

 Sample Location:
 1 FLOWERFIELD, ST. JAMES
 Field Prep:
 Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry	- Westborough Lat	)								
Solids, Total	79.5		%	0.100	NA	1	-	03/06/18 14:27	121,2540G	RI



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Project Name:GYRODYNE INDUSTRIALLab Number:L1807506Project Number:GCA1704Report Date:03/12/18

**SAMPLE RESULTS** 

Lab ID:L1807506-06Date Collected:03/05/18 13:05Client ID:EP-SD17Date Received:03/05/18Sample Location:1 FLOWERFIELD, ST. JAMESField Prep:Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry	- Westborough Lab	)								
Solids, Total	78.4		%	0.100	NA	1	-	03/06/18 14:27	121,2540G	RI



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AHÇÎQ.

Page G-157 Serial\_No:03121813:43 Lab Duplicate Analysis

GYRODYNE INDUSTRIAL

Project Name:

Solids, Total

03/15/18 14807506

Report Date: гар Иитрек:

Batch Quality Control

Project Number: GCA1704

Stimil Q9R Qual GGA StinU Duplicate Sample Native Sample Parameter

4.68 7.28 50 0 General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1094935-1 QC Sample: L1807527-06 Client ID: DUP Sample

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\*Values in parentheses indicate holding time in days

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TS(7),NYSUFFOLK-8270(14)		tnesdA	γ	2.0		ΑN	A	Glass 120ml/4oz unpreserved	A30-3037081J
TS(7),NYSUFFOLK-8270(14)		fneedA	λ	2.0		ΑN	A	Glass 120ml/4oz unpreserved	A20-9057081J
NA20FFOLK-8260(14)	2S:81 81-AAM-80	fneedA	γ	2.0		AN	A	Vial Water preserved split	Z#0-909Z0817
NA20FFOLK-8260(14)	25:31 81-AAM-80	InesdA	Y	2.0		AN	A	Vial Water preserved split	Y40-9057081J
NA20FFOLK-8260(14)		tnesdA	λ	2.0		AN	A	filqs bevreserq HOeM IsiV	X#0-90940817
NYSUFFOLK-8260(14),TS(7)		IneadA	γ	2.0		AN	A	Vial Large Septa unpreserved (4oz)	A40-8087081J
NASNEEOFK-8500(14)	2S:81 81-AAM-80	tneedA	γ	2.0		ΑN	A	Vial Water preserved split	ZE0-90940817
NA20FFOLK-8260(14)	62:31 81-AAM-80	InesdA	λ	2.0		ΑN	A	Vial Water preserved split	Y60-8087081J
NA20FFOLK-8260(14)		InesdA	λ	2.0		AN	A	filqs bevreserq HOeM IsiV	XE0-90940811
NYSUFFOLK-8260(14),TS(7)		Jn <del>o</del> sdA	λ	2.0		AN	A	Vial Large Septa unpreserved (4oz)	A£0-8087081J
NASOLEFOLK-8260(14)	25:31 81-AAM-80	InesdA	γ	2.0		AN	A	Vial Water preserved split	ZZO-909Z0817
NA20FFOLK-8260(14)	2S:81 81-AAM-80	<b>JnesdA</b>	λ	2.0		AN	A	Vial Water preserved split	YS0-8087081J
NA20FFOLK-8260(14)		InesdA	λ	2.0		ΑN	A	Vial MeOH preserved split	X20-9057081J
NYSUFFOLK-8260(14),TS(7)		InesdA	λ	2.0		AN	A	Vial Large Septa unpreserved (4oz)	AS0-8087081J
NA20FFOLK-8260(14)	25:31 81-AAM-80	Absent	λ	2.0		AN	A	Vial Water preserved split	Z10-9094081J
NA20FFOLK-8260(14)	2S:81 81-AAM-80	InesdA	λ	2.0		AN	A	Vial Water preserved split	Y10-9057081J
NASNEEOFK-8560(14)		tneadA	λ	5.0		AN	A	filqs bevreserq HOeM IsiV	X10-9057081J
TS(7), NYSUFFOLK-8270(14)		tneadA	λ	2.0		AN	A	Glass 120ml/4oz unpreserved	E1807506-01B
NA20FFOLK-8260(14)		Absent	γ	2.0		ΑN	A	Vial Large Septa unpreserved (40z)	A10-8027081J
(*)sisylanA	9miT∖əts <b>O</b>	Seal	Pres	ე ɓəp	Нq	Нq	Cooler	Container Type	Container ID
	uəzoı∃			dm∍T	lsni∓	laitial		rmation	Container Info

tnesdA Cooler Custody Seal Cooler Information

Were project specific reporting limits specified? **KE2** 

Sample Receipt and Container Information

Report Date: 03/12/18 Project Number: GCA1704 Lab Number: L1807506 $p_{age}$  G-158 GYRODYNE INDUSTRIAL Project Name:

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Serial\_No:03121813:43

L1807506 Page G-159 **Project Name:** GYRODYNE INDUSTRIAL Lab Number:

**Report Date: Project Number:** GCA1704 03/12/18

**GLOSSARY** 

Acronvms

MS

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EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any

adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis

of PAHs using Solid-Phase Microextraction (SPME).

EPA Environmental Protection Agency.

- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

- Laboratory Control Sample Duplicate: Refer to LCS.

- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of LFB

analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for

which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable

NC. - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

 $NDPA/DPA \quad \text{- $N$-Nitrosodiphenylamine}/Diphenylamine.$ 

NI

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the RPD precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the

values; although the RPD value will be provided in the report. - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the

associated field samples. STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound

list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

## Footnotes

SRM

TIC

The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the

original method.

#### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Waterpreserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'. Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

## Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

В - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

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Project Number: GCA1704 Report Date: 03/12/18

#### Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I The lower value for the two columns has been reported due to obvious interference.
- M Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P The RPD between the results for the two columns exceeds the method-specified criteria.
- Q -The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R Analytical results are from sample re-analysis.
- RE Analytical results are from sample re-extraction.
- S Analytical results are from modified screening analysis.
- J Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



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Project Name: GYRODYNE INDUSTRIAL Lab Number: L1807506 Page G-161

Project Number: GCA1704 Report Date: 03/12/18

## **REFERENCES**

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



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# **Certification Information**

The following analytes are not included in our Primary NELAP Scope of Accreditation:

#### Westborough Facility

Alpha Analytical, Inc.

Facility: Company-wide

Department: Quality Assurance

EPA 624: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: lodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 300: DW: Bromide EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

Title: Certificate/Approval Program Summary

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

#### Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

## The following analytes are included in our Massachusetts DEP Scope of Accreditation

#### Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D

#### Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, EPA 351.1, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs EPA 625: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.

## Mansfield Facility:

## **Drinking Water**

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. FPA 522.

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg. SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Document Type: Form

Pre-Qualtrax Document ID: 08-113

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26/18 14/5																		Discharge		₩ ][	][			7			10000	
THIS COC. THE C	start until any amb	not be logged in a	Please print clear								And the second s	Sample Specific Con-	(Please Specify by	Lab to do	Lab to do	Company and and	Constant	] [ 2	Conformati acting	Dioposes Facility	applicable disposal fa	one production and in		-0	_	eliling Information	2007	Page G-163
	0 = Other Carbon O = Ot	C= Cube C= Cub	Preservative  B = Becteris Cup C = Cube C = Cube O = Other E = Encore D = BOU Bottle  THE D TOWN SOCIAL THE D TOWN SOCIAL THE D	Container Code  P = Plastic  A = Amber Glass  V = Vial  G = Glass  B = Bacteria Cup  C = Cube  O = Other  E = Encore  D = BOD Bottle  A = Amber Code  Westboro: Certification No: MA015  Container Type  Preservative  Preservative  Preservative  Date/Time  Received By:  Date/Time  AND SOLA 14-50  Container Type  A = Amber Class  Preservative  Date/Time  AND SOLA 14-50  Container Type  A = Amber Class  A = Amber Cl	Container Code P = Plastic P = Plastic V = Vlast Q = Glasss S = Bacteria Cup D = Brücher D	Container Code P = Plastic A = Amber Glass V = Vtal 3 = Glass B = Becteris Cub 0 = Other E = Encore D = BOD Bottle  A = Amber Glass  Westboro: Certification No: MA015 Container Type Container Type Preservative Preservative Received By: Date/Time Received By: Date/Time	Container Code P = Plastic A = Amber Glass V = Vial 3 = Glass B = Becteris Cup C = Cube C = Cube C = Cube C = Boo Boote Boo Book Book Book Book Book Book Book	EP-SD13  L255  LD-SD17  L255   EP-12PLP  EP-3D13  1205  EP-3D13  1255  EP-3D17  1305  Westboro: Certification No: MA335  Pelastic  A = Amber Glass  V = Vial  3 = Glass  B = Bacteria Cup  C = Cube  O = Other  O = Other  E = Encore  D = BOU bottle  The property of the pr	EP-13PLP  EP-13PLP  12:05  EP-5D13  EP-5D13  12:05  EP-5D13  EP-5D13  Container Code P = Plastic P = P	EP.135T  EP.13PLP  II.40  X  EP.13PLP  II.40  X  EP.5D13  II.40  X  II.40  X  II.40  X  II.40  X  II.40  X  II.40  X  X  II.40  X  X  II.40  X  X  X  II.40  X  X  X  II.40  X  X  X  X  II.40  X  X  X  X  II.40  X  X  X  X  X  X  X  X  X  X  X  X  X	EP.115LP  11.2.5  EP.13.5T  EP.13.5T  II.2.5  EP.13.5T  EP.13.5T  II.40  EP.13.5T  EP.13.5T  EP.13.5T  II.40  X  EP.13.5T  EP.13.5T  II.40  X  EP.13.5T  EP.13.5T  II.40  X  EP.13.5T  EP.13.5T  II.40  X  X  X  X  X  X  X  X  X  X  X  X  X	Sample ID   Date   Time   Matrix   Initials   M   M   Matrix   Initials   M   M   Matrix   Initials   M   M   Matrix   Initials   Matrix   I	Sample ID  Collection  Sample Sampler's  EP-11 SLP  EP-13 ST  EP-13 PLP  EP-13 PLP  EP-13 PLP  EP-13 PLP  II 40  Container Code  P = Plastic  A = Amber Glass  B = Bacteria Cup  C = Cube  C = Cube  C = Cube  D = BOU Bottle  E = BOU Bottle  E = BOU Bottle  C = BOU Bottle  C = Cube  D = BOU Bottle  D = BOU Bottle  C = Cube  D = BOU Bottle  D = BOU B	Metals or TAL	Metals or TAL.   Sample ID   Collection   Sample   Samp	Secretific requirements/comments:   Secretification   Sample   S	Metals or TAL   Sample 10   Collection   Sample   Sample's   Sam	Rich (not) from approved)   # of Days:   ANALYSIS	Standard   Standard		ALANA   11 716	Note   Note	Continue Code   Code   Code   Code   Code   Code   Code   Code   Code   Code   Code   Code	April   Apri	Series   Finds   Coloration   Description	ASP   Manufact, access   Manuf		

Serial\_No:03121813:43

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# APPENDIX C WASTE MANIFESTS

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RECEIVED NYSCEF: 06/14/2022

Page G-165 Ticket: 1140615 Date: 3/1/2018 Time: 10:00:31 - 11:21:02 Clearbrook TEI Company 972 Nicolls Road Deer Park, NY 11729 Gross: 73340 lb In Scale 1 Tare: 48260 1b Out Scale 1 Truck: P-1 Net: 25080 1b Customer: Clearbrook 972 NICOLLS RD -DEER PARK, NY 11729-3806 Comment: Manifest: 27254 Quantity Unit Origin Materials & Services 7/SUFFOLK 4DISPCS/Disposal of Contamina 12.54 Ton Driver:

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Waste Manifest Number

27254

972 Nicolls Road Deer Park, NY 11729 Office: 631.586.0002 Fax: 631.586.0530	Non Haza	rdous \	Waste Manifest
New York State DEC Licensed Transfer	Facility	DEDI	MIT # 4 4700 00247/00004
BIC # 1272		PERI	MIT # 1-4720-00317/00001
Generator of Waste Material			
1. Customer Name: YC GOD YA	2. Phone Nur	nber:	
3. Street Address: 1 Flower Ric		1000	
	SUBJECT TO THE TERM		
CONTAINED	IN THE NYS DEC OPERA	ATING PER	RMIT
The undersigned, being duly authorized source and type of waste identified and	I, does hereby certify to the be subject to this manifest. NOTE	st of their kn	owledge the accuracy of the OR SIGNATURE REQUIRED
5. Signature of Generator or Agent:	Will lowing Agen	+ of Guran	po Date: 3-49
5. Signature of Generator or Agent: Print	Name: Nicholas Tan	nucci	3-1-18
Wastestream Identification: C			
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
A 1			NIS DEC N-CODE
1 may 5 mills	Cubic Yards Gallons Ions	16	
NOW haz soilds	Cubic Yards Gallons Tons	15	
		15	
Others and special handling instructions, if		15	
	any:		ER SIGNATURE REQUIRED
Others and special handling instructions, if	any:		ER SIGNATURE REQUIRED
Others and special handling instructions, if  Transporter of Waste  1. Company Name:	any:  NOTE: 1  2. Address:	RANSPORT	
Others and special handling instructions, if	any:  NOTE: 1  2. Address:  4. Pump Out	TRANSPORT	-1-18
Others and special handling instructions, if a special handling instructions is a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling in a specia	2. Address:	Date: 3	-1-18 AAG3
Others and special handling instructions, if a special handling instructions is a special handling instruction in a special handling instructions, if a special handling instructions is a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling instruction in a special handling in a special handling in a special handling in a special handling in a special handling in a special handling in a special handling in a special handling in a special handling in a special handling in a special handling in a special handling in a special handling in a special handling in a speci	2. Address:	Date: 3	-1-18 AAG3
Others and special handling instructions, if a Transporter of Waste  1. Company Name:  3. Phone:  5. Vehicle License No:  1 certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172  Print Name:  Acceptance by ClearBrook	2. Address:	Date: 3 Permit No: 3 ed into ClearB	AAC3  Prook transfer facility located  Date: 3-1-18
Others and special handling instructions, if a special handling instruction handling instructions, if a special handling instruction handling instructions, if a special handling instruction handling instruction	2. Address:	Date: 3 Permit No: 3 ed into ClearB	AAC3  Prook transfer facility located  Date: 3-1-18
Others and special handling instructions, if a Transporter of Waste  1. Company Name:  3. Phone:  5. Vehicle License No:  1 certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172  Print Name:  Acceptance by ClearBrook	2. Address:	Date: 3 Permit No: 4 Indicate the distribution of the distribution	AAC3  Prook transfer facility located  Date: 3-1-18
Others and special handling instructions, if a Transporter of Waste  1. Company Name:  3. Phone:  5. Vehicle License No:  1 certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172  Print Name:  Acceptance by ClearBrook  The above transporter delivered the description.	2. Address:  4. Pump Out  6. NYS DEC F  the waste that is being delivere 9 contains no hazardous waste.  Signature:  Cribed waste to the Transfer Fac	Date: 3 Permit No: 6 d into ClearB	AAC3  Prook transfer facility located  Date: 3-1/18  s accepted.
Others and special handling instructions, if a  Transporter of Waste  1. Company Name:  3. Phone:  5. Vehicle License No:  Certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172  Print Name:  Acceptance by ClearBrook  The above transporter delivered the description of Authorized Agent:  Signature of Authorized Agent:	any:  2. Address: 4. Pump Out 6. NYS DEC F e the waste that is being delivere 9 contains no hazardous waste. Signature:  Cribed waste to the Transfer Fac	Date: 3 Permit No: 2 d into ClearB	AAC3  Prook transfer facility located  Date: 3-1/18  s accepted.

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n 20 Člearbrook TEI Company 972 Nicolls Road Deer Park, NY 11729

Truck: P-1 Customer: Clearbrook 972 NICOLLS RD DEER PARK, NY 11729-3806

Ticket: 1140638 Date: 3/1/2018

Time: 15:36:04 - 16:12:58

Gross: 63960 lb In Manual Wt Tare: 46060 lb Out Manual Wt

Net: 17900 15

Comment:

Manifest: 27255

Origin

Materials & Services Quantity Unit

7/SUFFOLK 4DISPCS/Disposal of Contamina 8.95 Ton

Driver: \_

Clear Brook 39656

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Waste Manifest Number

972 Nicolls Road  Deer Park, NY 11729  Office: 631.586.0002	Non Haza	rdous \	Waste Manifest
Fax: 631.586.0530			
New York State DEC Licensed Transfer BIC # 1272	Facility	PERI	MIT # 1-4720-00317/00001
DIO # 1272			
Generator of Waste Material			
1. Customer Name: Cyrod you	2. Phone Nun	nber:	
	4. City/State/		same 5
	SUBJECT TO THE TERM		
CONTAINED	IN THE NYS DEC OPERA	ATING PER	RMIT
The undersigned, being duly authorized	I, does hereby certify to the be	st of their kn	owledge the accuracy of the
source and type of waste identified and s	Subject to this manifest. NOTE	0 .	
5. Signature of Generator or Agent:	Man Agento	17 11	ne Date: 3-1-18
Print	Name: Nicholas Ianne	icci	
Wastestream Identification: Ci	ircle/Fill Out All Boxes		
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
NON haz 50:115	Cubic Yards Gallons Tons	6	
			24
Others and special handling instructions, if a	any:		
Others and special handling instructions, if a	NOTE: T	RANSPORT	ER SIGNATURE REQUIRED
		RANSPORT	ER SIGNATURE REQUIRED
Transporter of Waste  1. Company Name: 23	NOTE: T		ER SIGNATURE REQUIRED
Transporter of Waste  1. Company Name: 23	NOTE: T	Date: 3	-1-18
Transporter of Waste  1. Company Name:	2. Address:4. Pump Out   6. NYS DEC F	Date: 3	1-18 AdG3
Transporter of Waste  1. Company Name:	2. Address:4. Pump Out   6. NYS DEC F	Date: 3	1-18 AdG3
Transporter of Waste  1. Company Name:  3. Phone:  5. Vehicle License No:  1 certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172	2. Address: 4. Pump Out 6. NYS DEC F the waste that is being delivere 9 contains no hazardous waste.	Date: 3	AAC3  rook transfer facility located
Transporter of Waste  1. Company Name:  3. Phone:  5. Vehicle License No:  1 certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172  Print Name:  Acceptance by ClearBrook  The above transporter delivered the descent	2. Address:	Date: 3 Permit No: 3 ed into ClearB	Took transfer facility located  Date: 3-1-18
Transporter of Waste  1. Company Name:  3. Phone:  5. Vehicle License No:  1 certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172  Print Name:  Acceptance by ClearBrook	2. Address: 4. Pump Out 6. NYS DEC For the waste that is being delivered contains no hazardous waste Signature.	Date: 3 Permit No: 3 ed into ClearB	Took transfer facility located  Date: 3-1-18
Transporter of Waste  1. Company Name:  3. Phone:  5. Vehicle License No:  1 certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172  Print Name:  Acceptance by ClearBrook  The above transporter delivered the descent	2. Address:	Date:	Date: 3-1-18
Transporter of Waste  1. Company Name:  3. Phone:  5. Vehicle License No:  1 certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172  Print Name:  Acceptance by ClearBrook  The above transporter delivered the descriptions of Authorized Agent:  Signature of Authorized Agent:	2. Address:	Date:	Date: 3-1-18

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\*Clearbrook TEI Company 972 Nicolls Road Deer Park, NY 11729

Ticket: 1140850 Date: 3/5/2018

Gross: 67620 lb In Scale 1

Time: 13:23:28 - 14:03:40

Truck: 7010 Customer: Clearbrook 972 NICOLLS RD

DEER PARK, NY 11729-3806

Tare: 47380 1b Out Scale 1

License: RA92750

Net: 20240 1b

Carrier: Clearbrook

Comment:

Manifest: 27898

Origin

Materials & Services Quantity Unit

7/SUFFOLK

SANTYGRIT/Sanitary Grit 10.12 Ton

Driver:

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Waste Manifest Number

27898

972 Nicolls Road Deer Park, NY 11729 Office: 631.586.0002 Fax: 631.586.0530

# **Non Hazardous Waste Manifest**

Fax: 631.586.0530			
New York State DEC Licensed Transfer	Facility — T	DED!	MIT # 1 4720 00217/00001
BIC # 1272	11 400 11	JIO FERI	MIT # 1-4720-00317/00001
	MOT 3961	76	
Generator of Waste Material		* 1	
1. Customer Name: Stodyne	Industrial 2. Phone Nur	mber:	
3. Street Address: 1 Flower Field	4. City/State/	Zip: Sam	Tomes w/ 11780
	SUBJECT TO THE TERM IN THE NYS DEC OPERA		
			distribution on
The undersigned, being duly authorized source and type of waste identified and	d, does hereby certify to the be subject to this manifest.	est of their kn E: GENERATO	owledge the accuracy of the OR SIGNATURE REQUIRED
5/ Signature of Generator or Agent:	Milliam Agento	of Guralian	e Date: 3/5/15
†Print	Name: Nicholas Innuri	V 0	
Wastestream Identification: C	ircle/Fill Out All Boxes		
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
non haz solid material	Cubic Yards Gallons Tons	15	
Others and special handling instructions, if	any:		
Transporter of Waste			ER SIGNATURE REQUIRED
1. Company Name: Clar Brook			
3. Phone: (631) 586-0002	4. Pump Out	Date: _3\	5416
5. Vehicle License No: 21497 - M	6. NYS DEC I	Permit No:	14-263
I certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172	e the waste that is being delivere 29 contains no hazardous waste	ed into ClearB	rook transfer facility located
Print Name: Anthony William	Signature: Inthing	Willen	Date: 3\5\18
Acceptance by ClearBrook			
The above transporter delivered the design	cribed waste to the Transfer Fac	ility and if was	s accepted.
Transfer Date: 3-5-15			
Signature of Authorized Agent:	reny Wyon Print	Name _ N	ocron Ugel
	YELLOW: TRANSPORTER PINK: GE		( )

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Cleambrook TEI Company 972 Nicolls Road Deer Park, NY 11729

Truck: P-1 Customer: Clearbrook 972 NICOLLS RD DEER PARK, NY 11729-3806

Ticket: 1140853 Date: 3/5/2018

Time: 10:25:06 - 10:39:50

Gross: 67180 lb In Manual Wt Tare: 48000 lb Out Manual Wt Net: 19180 lb

Comment:

Manifest: 27256

Origin

Materials & Services Quantity Unit

7/SUFFOLK

4DISPCS/Disposal of Contamina 9.59 Ton

Drivers

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Waste Manifest Gullinber

27256

972 Nicolls Road

Deer Park, NY 11729 Office: 631.586.0002 Fax: 631.586.0530	Non Haza	rdous \	<b>Waste Manifest</b>
New York State DEC Licensed Transfer	Facility	DEDI	MIT # 4 4700 00047/00004
BIC # 1272		PERI	WIT # 1-4720-00317/00001
Generator of Waste Material			
1. Customer Name: Cycod ync	2. Phone Nun	nber:	
716/01/05	Gold 4. City/State/	61	Jame 5
3. Street Address:	4. City/State/	Zip:	
ALL WASTES ARE	SUBJECT TO THE TERM	IS AND CO	NDITIONS
CONTAINED	IN THE NYS DEC OPERA	ATING PEF	RMIT
The undersigned, being duly authorized	I. does hereby certify to the be	st of their kn	owledge the accuracy of the
source and type of waste identified and			
	1111. A. C	1 1	3-05-18
5. Signature of Generator or Agent: Print	Name: 11 1 1	Gyradyne	Date: 5 50 70
Pilli	Name. Nicholas Jannua	<b>C</b> 1	
Wastestream Identification: C	ircle/Fill Out All Boxes		
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
NON hg 2 50, 10 5	Cubic Yards Gallons Tons	15	
Others and special handling instructions, if	any:		
Transporter of Waste			ER SIGNATURE REQUIRED
1. Company Name:	2. Address:		
3. Phone:			5-18
5. Vehicle License No: \3 \4 \4	6. NYS DEC F	Permit No: 2	Ad 65
I certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172	e the waste that is being delivered	ed into ClearB	rook transfer facility located
			2 5 15
Print Name:	Signature:		Date: 7 7 8
Acceptance by ClearBrook			
The above transporter delivered the desc	cribed waste to the Transfer Fac	ility and if was	s accepted.
Transfer Date: 3-5-18	Time:	Sam	ple ID#
Signature of Authorized Agent:	y Wgc Print	NameA	and wagner
WHITE: TRANSFER FACILITY	YELLOW: TRANSPORTER PINK: GE	ENERATOR G	OLD: ACCOUNTING
			FORM 130 REV 2/12

FILED: SUFFOLK COUNTY CLERK 06/14/2022 03:06 PM INDEX NO. 608051/2022

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potron a series	Page G-173
Clearbrook TEI Company 972 Nicolls Road Deer Park, NY 11729	Ticket: 1140857 Date: 3/5/2018 Time: 14:26:36 - 14:47:34
Truck: P-1 Customer: Clearbrook 972 NICOLLS RD DEER PARK, NY 11729-	Gross: 51020 lb In Scale 1 Tare: 45580 lb Out Scale 1 Net: 5440 lb
Comment:	Manifest: 27257
Origin	Materials & Services Quantity Unit
7/SUFFOLK	4DISPCS/Disposal of Contamina 2.72 Ton
Driver:	Deputy Weighmaster: NANCY WAGNER

SUFFOLK COUNTY CLERK 06/14/2022

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CLEAR FLO TECHNOLOGIES, INC. 1110 Rte. 109 N. Lindenhurst, N.Y. 11757 Tel: (631) 956-7600 Fax: (631) 956-7020

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		8-0 4,71
	MANHEST NUMB	ER
Part 1	Part 2	Part 3
		204293
Date of Pick-Up	Time of Pick-Up	Chronological Number /Also Used as Sample #
(Use 2 Digit Numbers) Example 040103	(Military Time)	(Assigned at Clear Flo- Receiving Station)

YATTIN YAZA G	STE DISCHARGE MA	· NTEPC'	Example 04		Recoiving	Station)
TOTO WAY	STE DISCHARGE MA	MILES				
	ATER STREAM IDENT		<del></del>	., 1B, & 1C must be con		or hauler)
A. Volume:		Wt. Ir			Wt. Out:	
B. Type:	Condensate Water		cant Grease	Grease	Industrial Rinse	Leachate
<del> </del>	Leachate Pool STP Effluent		armaceutical unsfor Leachate	Septic/Septage Other:	Sludge	Storm Water
C. Source	Home/Apr.		lice/Commercial	Municipal	MZ Industrial	Other
)accordantian of						
escription of	Other and special hand	ing insti	uctions, if any			
, 			•			_ <u> </u>
. GENERAT	OR OF WASTEWATER	C(Section	ns 2A, 2B, & 2C m	ust be completed by g	enerator or hauler)	
A. Complete	Name (print or type):	r =71.2.0 m	dune	· · · · · · · · · · · · · · · · · · ·	. Tel. No.	, ,
•	. 6	(2)		·		
Complete!	Pickup Address: 1	جبث / عر	10-4-10 W		ST JAME	5 17
:	AT.T 700	A STRYA	ATERS ARE S	UBJECT TO THE T	EDMC ANTO	1
				N THE DISCHARG		
n				•	•	•
ne undersig	ned, being duly authoriz	ed, does	hereby certify to	the best of their know	ledge to the accuracy	of the source
REQUIRED	astewater identified and	subject t				E
). Signature	of Generator or Agent:	Mil.	min 1	lgent of Gy	code no Date	3/5/18
•				0 5	7	
- CT A TIV YOT					•	•
DAULER	OF LIQUID WASTE	(Section	s 3A, 3B, 3C, 3D a	nd 3E must be comple	ted by hauler)	. :
A. C	ompany name (print or t	vpe):	Virgot )	Dria was	Charles le	
B. SC	DPW Permit No. 7 15 2	75-6 C.	Vehicle License N	VOL TOPIOTE D. Fum	0 Out Date: 3-5-15	8
E. N	YS DEC Permit No.: 114	2.5				
The	above described liquid wa	aste was	nicked up and has	ulad hu ma'ta tha diana		
disch	arged. I certify under pe	nalty of	perjury that the f	oregoing is true and co	sai iacility named be	low and was
		•		4 . /4		
F. 51g	mature of authorized ag	ent and t	itle:			
		,				
. ACCEPT	ANCE BY CLEAR FL	O TECH	NOLOGIES, IN	IC. (must be completed	l by disposer)	,
			•			
. 1169	bove hauler delivered th	re deseril	oed wastewater to	the disposal facility a	nd it was accepted.	
Dispo	sal Date: 3/	11/	Cample	ID No.:	04797	3
	/3	1/10	sample	110.	- 1 0 A	<u> </u>
Signa	ture of authorized agent	and title	):	January .	•	
**************************************	ERATOR YELLO	w-TR <i>A</i>	NSPORTER	WHITE DISPOS	SAL FACILITY (	COI D_RII E

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Ticket: 1140375 Date: 2/26/2018 Time: 11:20:17 - 11:35:04

Gross: 71780 lb In Scale 1 Tare: 54120 lb Out Scale 1

Net: 17660 lb

Truck: 7005

Customer: Clearbrook 972 NICOLLS RD

Clearbrook TEI Company 972 Nicolls Road Deer Park, NY 11729

DEER PARK, NY 11729-3806

Comment:

Manifest: 27816

Origin

Materials & Services Quantity Unit

7/SUFFOLK

4DISPCS/Disposal of Contamina 8.83 Ton

License: 25109MD

30

Driver:

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Waste Manifest Number

27816

972 Nicolls Road Deer Park, NY 11729 Office: 631.586.0002 Fax: 631.586.0530

**Non Hazardous Waste Manifest** 

7005

New York State DEC Licensed Transfer Facility
BIC # 1272

PERMIT # 1-4720-00317/00001

39560	la		
Generator of Waste Material			
1. Customer Name: Cryvodyne	IND. Shore Nur	nber:	
3. Street Address: 1 Flaver Ci	4. City/State/	Zip: Sain	+ James Ny
	SUBJECT TO THE TERM IN THE NYS DEC OPERA	IS AND CO	NDITIONS
The undersigned, being duly authorized source and type of waste identified and			
5. Signature of Generator or Agent:	Name: Nicholas Iannuci		Date: alables
Wastestream Identification: C		<i>C1</i>	
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Sentia Studge	Cubic Yards Gallons Tons	25 cy	
1			
Others and special handling instructions, if	any:		
Transporter of Waste	NOTE: 1	TRANSPORTE	ER SIGNATURE REQUIRED
1. Company Name: Clear Brown	2. Address:	972 1/1	ids ed, DeerPark
3. Phone: 631 586 000	2 4. Pump Out	Date:	2/86/18
5. Vehicle License No: 25/09	6. NYS DEC I	Permit No:	2p. 263
I certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172	29 contains no hazardous waste	,	
Print Name: Fred Diggs	Signature: +- [	COR	Date: 2 26 18
Acceptance by ClearBrook			
The above transporter delivered the des	cribed waste to the Transfer Fac	ility and if was	s accepted.
Transfer Date: 20018	Time:	Samp	ole ID#
Signature of Authorized Agent:	of Wage Print	Name Ma	nay wagner
			OLD: ACCOUNTING
			FORM 130 REV 2/12

NYSCEF DOC. NO. 51

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Clearbrook TEI Company 972 Nicolls Road Deer Park, NY 11729

DEER PARK, NY 11729-3806

Ticket: 1140386 Date: 2/26/2018

Time: 15:07:20 - 15:38:28

Truck: 7005 Customer: Clearbrook 972 NICOLLS RD

Gross: 66000 lb In Scale 1 Tare: 48340 lb Out Scale 1 Net: 17660 lb

License: 25109MD

Comment:

Manifest: 27817

Origin

Materials & Services Quantity Unit

7/SUFFOLK

4DISPCS/Disposal of Contamina 8.83 Ton

Drivers

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Waste Manifest Number

27817

972 Nicolls Road Deer Park, NY 11729 Office: 631.586.0002 Fax: 631.586.0530

**Non Hazardous Waste Manifest** 

7005

New York State DEC Licensed Transfer Facility

PERMIT # 1-4720-00317/00001

BIC # 1272		PENI	VIII # 1-4720-00317700001
39584	5		
<b>Generator of Waste Material</b>			
1. Customer Name: Gyrodyne	industrail 2. Phone Nur		
3. Street Address: 1 flower fix	4. City/State/	Zip: Scin	T James, NY
	SUBJECT TO THE TERM IN THE NYS DEC OPERA		
The undersigned, being duly authorized source and type of waste identified and	I, does hereby certify to the be subject to this manifest. NOTI	est of their kn	owledge the accuracy of the OR SIGNATURE REQUIRED
5. Signature of Generator or Agent: Print	Name: Nicholas Iannuc		e Date: 2/26/18
Wastestream Identification: C	ircle/Fill Out All Boxes		
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Septic Sludge	Cubic Yards Gallons Tons	12 cy	
Others and special handling instructions, if	any:		*
Transporter of Waste	NOTE: 1	RANSPORT	ER SIGNATURE REQUIRED
1. Company Name: Clear Cor			
3. Phone: 631 586 00	02 2 127 4. Pump Out	Date:	2 26/18
5. Vehicle License No: 25/09	MS 7 286. NYS DEC F	Permit No:	20.263
I certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172	e the waste that is being delivere 9 contains no hazardous waste	ed into ClearB	rook transfer facility located
Print Name: Fred Diggs	Signature:	wo	Date: 2/26/18
Acceptance by ClearBrook			
The above transporter delivered the desc			Manager Committee Committe
Transfer Date: Q-010-18	Time:	Sam	ole ID#
Signature of Authorized Agent:	eq ll gen Print	Name Y	sales .
WHITE: TRANSFER FACILITY	YELLOW: TRANSPORTER PINK: GE	NERATOR G	OLD: ACCOUNTING
			FORM 130 REV 2/12

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Cleanbrook TEI Company 972 Nicolls Road Deer Park, NY 11729

Truck: P-i Customer: Clearbrook 972 NICOLLS RD DEER PARK, NY 11729-3806 Ticket: 1140452 Date: 2/27/2018

Time: 11:37:48 - 11:52:03

Gross: 65560 lb In Scale i Tare: 45860 lb Out Scale i

Net: 19700 1b

Comment:

Manifest: 27149

Origin

Materials & Services Quantity Unit

7/SUFFOLK 4DISPCS/Disposal of Contamina 9.85 Ton

Driver:

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Waste Manifest Number

27149

972 Nicolls Road Deer Park, NY 11729 Office: 631.586.0002 Fax: 631.586.0530

**Non Hazardous Waste Manifest** 

Fax: 631.586.0530			
New York State DEC Licensed Transfer	r Facility	PERMIT # 1-4720-00317/0000	01
BIC # 1272		FERINIT # 1-4720-0031770000	,
*			
<b>Generator of Waste Material</b>			
1. Customer Name: Gyrad y	2. Phone Nur	mber:	
3. Street Address:   Clower	Gald 4. City/State/	zip: St Jame 5	
	SUBJECT TO THE TERM IN THE NYS DEC OPERA		
The undersigned, being duly authorized source and type of waste identified and	d, does hereby certify to the be subject to this manifest. NOTI	est of their knowledge the accuracy of the contract of the con	he D
5. Signature of Generator or Agent:		ent of Gyrodyn Date: 2-27-18	
Wastestream Identification: 0	VICTORS ICHIC	JCC)	
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY NYS DEC N-CODE	
NOWhaz So. US	Cubic Yards Gallons Tons	15	
Others and special handling instructions, if	anv.		
culore and operational management, in	1 0		
Transporter of Waste	NOTE: 1	TRANSPORTER SIGNATURE REQUIRE	D
1. Company Name:	2. Address: _		
3. Phone:	2 1, 2 4. Pump Out	Date: 2-27-18	
5. Vehicle License No: 75 44C	36. NYS DEC I	71703	
I certify that to the best of my knowledg at 972 Nicolls Road, Deer Park, NY 1172	e the waste that is being delivere 29 contains no hazardous waste	ed into ClearBrook transfer facility located	1
Print Name:	Signature	Date: 2-2/18	
Acceptance by ClearBrook			
The above transporter delivered the des	scribed waste to the Transfer Fac	cility and if was accepted.	
Transfer Date: 227-18	Time:	Sample ID#	_
Signature of Authorized Agent:	Ace 1000 Print	Name Nantu Logo	
WHITE: TRANSFER FACILITY	YELLOW: TRANSPORTER PINK: GE	ENERATOR GOLD: ACCOUNTING	
		FORM 130 REV 2/	12

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Ticket: 1140468 Date: 2/27/2018 Time: 15:40:35 - 16:33:43

Gross: 58840 lb In Scale 1 Tare: 45220 1b Out Scale 1

Net: 13620 lb

Customer: Clearbrook 972 NICOLLS RD DEER PARK, NY 11729-3806

Clearbrook TEI Company 972 Nicolls Road Deer Park, NY 11729

Truck: P-1

Comment:

Manifest: 27150

Origin

- Materials & Services Quantity Unit

7/SUFFOLK

4DISPCS/Disposal of Contamina 6.81 Ton

Deputy Weighmaster:

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RECEIVED NYSCEF: 06/14/2022



Page G-182 Waste Manifest Number

27150

972 Nicolls Road Deer Park, NY 11729 Office: 631.586.0002

**Non Hazardous Waste Manifest** 

Fax: 631.586.0530			
New York State DEC Licensed Transfer	Facility	PERI	WIT # 1-4720-00317/00001
BIC # 1272			WIT # 1-4720-00017700001
Generator of Waste Material			
	0 DLN	a toronia	
1. Customer Name: Cycod y no	2. Phone Nur	-1.	5-1-5
3. Street Address: 1 HOVECT	4. City/State/	Zip: 51	(ame)
ALL WASTES ARE			
CONTAINED	IN THE NYS DEC OPERA	ATING PER	RMIT
The undersigned, being duly authorized source and type of waste identified and			
5. Signature of Generator or Agent:	Mand laming Frant	of Guardin	ne Date: 2-26
	Name: A / 1 /	wei i	Are Date. Late
Wastestream Identification: C		IUCCI	
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
Now I have So Ids	Cubic Yards Gallons Tons	Co	
Wow Hare Ser III			
Others and special handling instructions, if	any:		
	- /		
Transporter of Waste	NOTE: 1	RANSPORT	ER SIGNATURE REQUIRED
1. Company Name: C3	2. Address: _	THE RELEASE	
3. Phone:	4. Pump Out	Date:	-2C-18
2.261.1		~	11003
5. Vehicle License No: X15 XX 4 (	6. NYS DEC I	Permit No:	(Ad(S)
I certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172			Brook transfer facility located
Print Name:	Signature:		Date: 2-26-18
Acceptance by ClearBrook	1 /		
The above transporter delivered the description	cribed waste to the Transfer Fac	ility and if was	s accepted.
Transfer Date: 2.26-18	Time:	Sam	ple ID#
Signature of Authorized Agent:	ear logs Print	Name 1	and wagner
WHITE: TRANSFER FACILITY	YELLOW: TRANSPORTER PINK: GE	ENERATOR G	OLD: ACCOUNTING
			FORM 130 REV 2/12

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Ticket: 1140537 Createrook TEI Company Date: 2/28/2018 "972 Nicolls Road ... Deer Park, NY 14729

Time: 11:23:34 - 11:50:02

Gross: 67880 lb In Scale 1 Tare: 51420 lb Out Scale 1

Net: 16460 1b

Comment:

Truck: P-1 Customer: Clearbrook 972 NICOLLS RD DEER PARK, NY 11729-3806

Manifest: 27151

Materials & Services Quantity Unit ' Origin 4DISPCS/Disposal of Contamina 8.23 Ton 7/SUFFOLK

Driver: \_

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Waste Manifest Number

27151

Deer Park, NY 11729 Office: 631.586,0002	Non Haza	rdous \	Waste Manifest
Fax: 631.586.0530  New York State DEC Licensed Transfer	Facility		
BIC # 1272	acinty	PERI	WIT # 1-4720-00317/00001
Generator of Waste Material			
	2. Phone Nur		ne de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
3. Street Address: A Glowcoff	4. City/State/	Zip: 5t	Jame 5
	SUBJECT TO THE TERM IN THE NYS DEC OPERA		
The undersigned, being duly authorized source and type of waste identified and	I, does hereby certify to the be subject to this manifest.	st of their kn	owledge the accuracy of the OR SIGNATURE REQUIRED
	Name: No. 1.1		e Date: 2-28-18
Wastestream Identification: C	richaes Lannu	cci	
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
NOWhat 50 lds	Cubic Yards Gallons Tons	15	
Others and special handling instructions, if	any:		
Transporter of Waste	NOTE: T	RANSPORT	ER SIGNATURE REQUIRED
1. Company Name:	2. Address: _		
3. Phone:	4. Pump Out	Date:	28-18
5. Vehicle License No: X36x40	6. NYS DEC F	-	AA363
I certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172			rook transfer facility located
Print Name:	Signature:		Date:
Acceptance by ClearBrook	7 -		
The above transporter delivered the description	cribed waste to the Transfer Faci	lity and if was	s accepted.
Transfer Date: 2.28-18	Time:	Samp	ole ID#
Signature of Authorized Agent:	rey Wage Print	Name Qu	104 wagner
WHITE: TRANSFER FACILITY	YELLOW: TRANSPORTER PINK: GE	NERATOR G	OLD: ACCOUNTING
			FORM 130 REV 2/12

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Glearbrook TEI Company 972 Nicells Road ." Deer Park, NY 11729

Truck: P-1 Customer: Clearbrook 972 NICOLLS RD DEER PARK, NY 11729-3806

Ticket: 1140553 Date: 2/28/2018 Time: 14:54:19 - 15:29:35

Gross: 65540 lb In Scale 1 Tare: 47620 1b Out Scale 1

Net: 17920 lb

Comment:

Manifest: 27148

Origin

Materials & Services Quantity Unit

7/SUFFOLK

4DISPCS/Disposal of Contamina 8.96 Ton

Deputy Weighmaster:

the West

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Waste Manifest Gullaber

27148

972 Nicolls Road

Office: 631.586.0002 Fax: 631.586.0530	Non Haza	rdous \	Naste Manifest
New York State DEC Licensed Transfer	Facility		
BIC # 1272		PERI	WIT # 1-4720-00317/00001
Generator of Waste Material			
1. Customer Name: TY COAY NE	2. Phone Nur	nber:	
3. Street Address: 1 Flower Fig.	4. City/State/	Zip: 57	Jame 5
	SUBJECT TO THE TERM IN THE NYS DEC OPERA		Control of the Control of Control
The undersigned, being duly authorized source and type of waste identified and			
<del></del>		nt of Gra	Jun Date: 2 18 8
Print	Name: Nicholas Ia	nnucci	
Wastestream Identification: C	ircle/Fill Out All Boxes		
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE
NON hat soilds	Cubic Yards, Gallons Tons	15	
192 30177			
Others and special handling instructions, if	any:		
	71		
Transporter of Waste	NOTE: T	RANSPORT	ER SIGNATURE REQUIRED
1. Company Name:	2. Address: _		1
3. Phone:	4. Pump Out	Date:	28-18
5. Vehicle License No: 3540	6. NYS DEC F	Permit No:	2AdG3
I certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172	e the waste that is being delivered contains no hazardous waste.	ed into ClearB	rook transfer facility located
Print Name:	Signature:		
Acceptance by ClearBrook			
The above transporter delivered the desc	cribed waste to the Transfer Fac	ility and if was	s accepted.
Transfer Date: 2-28-18	Time:	Sam	ple ID#
Signature of Authorized Agent:	y Wgg Print	Name A	nay atoger
WHITE: TRANSFER FACILITY	YELLOW: TRANSPORTER PINK: GE	NERATOR G	OLD: ACCOUNTING
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			The second		MANIFEST NUME	BER Page G-187
			Part	1. 	Part 2	ratus
CLEAR FLC 1110 Rtc. 10	) TECHNOLOGIES, INC 09			ارس ز	01.	1.203749
	irst, N.Y. 11757		2-26-1	<u>(8</u> )	0:50	1,07,7
Tel: (631)9 Fax: (631)9			Date of Pick	-Up >	Time of Pick-Up	Chronological Number /Also Used as Sample #
			(Use 2 Digit ) Example 040		(Military Time)	(Assigned at Clear Flo- Receiving Station)
LIQUID WA	STE DISCHARGE MAN	vifest				
	ATER STREAM IDENTI	8 46 (Tab. 18) (1 1 2 4 1	(Sections 1A,	1B, & 1Ç m		
A. Volume: B. Type:	Gallons Condensate Water	Wt. In:	Grease	☐ Grease	Wt. Out	trial Rinse 🚄 🤝 Leacha
	Leachate Pool		nceutical r Leachate	Septic	/Septage Sludg	re 🔑 🖸 Storm V
C. Source	STP Effluent Home/Apt.		Commercial	Other: Munic	ipal 🎾 Indus	trial Other
					45.7	
Description of	f Other and special handlin	ng msu ucu	ions, ii any	ang sa sa sa sa sa sa sa sa sa sa sa sa sa		an antala di Santana (1911). Panggalan di Santana (1911), panggalan di Santana (1911), panggalan di Santana (1911), panggalan di Santana ( Panggalan di Santana (1911), panggalan di Santana (1911), panggalan di Santana (1911), panggalan di Santana (1
0 GDMDD 45		(n )	4 OD 6 OO			
图 "原始"、保持的数据	FOR OF WASTEWATER	SASACI SI SIL		7	eted by generator or	hauler)
A. Complete	Name (print or type)	LODYK	10D.	LAHA		
			1211	ati	1011-	~~~~
C Complete	Dialous Address / 4/0/	111911	(19/1)	S/.	(KMS /	1861
C. Complete	Pickup Address://		TELL)	ے۔/ک	(K14ES /1	780
C. Complete	ALL WAS	STEWATE	the files of the late was the first to the	· · · · · · · · · · · · · · · · · · ·	THE TERMS AN	
	ALL WAS CONDIT	STEWATE	NTAINED IN	THE DIS	CHARGE PERMI	ľ
The undersig	ALL WAS CONDIT  ned, being duly authorized	STEWATE FIONS CO 1, does here	NTAINED IN  by certify to th	THE DISC	CHARGE PERMY	C accuracy of the source
The undersig and type of wa REQUIRED	ALL WAS CONDIT ned, being duly authorized astewater identified and su	STEWATE FIONS CO. I; does here abject to thi	NTAINED IN by certify to the manifest. Si	THE DISC ne best of th ECTION D	CHARGE PERMY	C accuracy of the source GNATURE
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The undersig and type of we REQUIRED D. Signature 3. HAULER	ALL WAS CONDIT  ned, being duly authorized astewater identified and su  of Generator or Agent Agent  R OF LIQUID WASTE (S	STEWATIFIONS COL	NTAINED IN by certify to the smanifest Si Gyerodyne	THE DISC pe best of th ECTION D	CHARGE PERMI	Caccuracy of the source SNATURE Date 126/18
The undersig and type of we REQUIRED D. Signature 3. HAULER A. Co. B. SC	ALL WAS CONDIT  ned, being duly authorized astewater identified and su  of Generator or Agent Ag	STEWATIFIONS COL	NTAINED IN by certify to the smanifest. Si Gyerodyne 3B, 3C, 3D and	THE DISC pe best of th ECTION D	CHARGE PERMI	T accuracy of the source GNATURE Date 126/18 er)
The undersig and type of we REQUIRED D. Signature 3. HAULER A. Co. B. SC	ALL WAS CONDIT  ned, being duly authorized astewater identified and su  of Generator or Agent Agent  R OF LIQUID WAS TE (Sompany name (Riupe) r typ	STEWATIFIONS COL didoes here abject to this ent of	NTAINED IN by certify to the smanifest. Si Gyerodyne 3B, 3C, 3D and	THE DISC pe best of th ECTION D	cHARGE PERMI eir knowledge to the GENERATOR SI Ecompleted by haul	T accuracy of the source GNATURE Date 126/18 er)
The undersig and type of we REQUIRED D. Signature B. HAULER A. Co B. SO E. N	ALL WAS CONDIT  ned, being duly authorized astewater identified and su of Generator or Agent Age	STEWATH FIONS COI It does here abject to thin ent of the Sections 3A.	by certify to the smanifest Singroolyne  3B, 3C, 3D and cle Ligents No	te best of the ECTION D  d 3E must b	charge permy  meir knowledge to the GENERATOR SIGN  e completed by haule  the disposal facility	r faccuracy of the source GNATURE Date2/26/18 er)
The undersig and type of we REQUIRED D. Signature B. HAULER A. Co B. SO E. N	ALL WAS CONDIT  ned, being duly authorized astewater identified and su of Generator or Agent Age	STEWATH FIONS COI L'does here abject to thin ent of Sections 3.A. e. Vehic te was picke alty of perju	by certify to the smanifest. Since S	te best of the ECTION D  d 3E must b	charge permy  meir knowledge to the GENERATOR SIGN  e completed by haule  the disposal facility	r faccuracy of the source GNATURE Date2/26/18 er)
The undersig and type of we REQUIRED D. Signature B. HAULER A. Co B. SO E. N	ALL WAS CONDIT  ned, being duly authorized astewater identified and su of Generator or Agent Age	STEWATH FIONS COI L'does here abject to thin ent of Sections 3.A. e. Vehic te was picke alty of perju	by certify to the smanifest. Since S	te best of the ECTION D  d 3E must b	charge permy  meir knowledge to the GENERATOR SIGN  e completed by haule  the disposal facility	r faccuracy of the source GNATURE Date2/26/18 er)
The undersig and type of we REQUIRED D. Signature B. HAULER A. C. B. S.C. E. N The a disch	ALL WAS CONDIT  ned, being duly authorized astewater identified and su of Generator or Agent Age	STEWATH FIONS COI L'does here abject to thin ent of Control Sections 3.A. Electrons 4.A. Electrons 4.A. Electro	by certify to the smanifest. Since S	te best of the ECTION D  d 3E must be  ed by me to regoing is tr	charge permy neir knowledge to the GENERATOR SIGNERATOR	Caccuracy of the source GNATURE Date 2/26/18 er) named below and was
The undersig and type of we REQUIRED D. Signature B. HAULER A. C. B. S.C. E. N The a disch	ALL WAS CONDIT  ned, being duly authorized astewater identified and su of Generator or Agent Age	STEWATH FIONS COI L'does here abject to thin ent of Control Sections 3.A. Electrons 4.A. Electrons 4.A. Electro	by certify to the smanifest. Since S	te best of the ECTION D  d 3E must be  ed by me to regoing is tr	charge permy neir knowledge to the GENERATOR SIGNERATOR	Caccuracy of the source GNATURE Date 2/26/18 er) named below and was
The undersige and type of we required D. Signature  3. HAULER  A. Co. B. So. E. N.  The addisch F. Signature	ALL WAS CONDIT  ned, being duly authorized astewater identified and su of Generator or Agent Age	STEWATH FIONS COI I does here abject to thin ent of Sections 3A. Sections 3A. We Vehic te was picked alty of perjunt and title.	by certify to the smanifest. Since S	d 3E must be ed by me to regoing is tr	charge permy neir knowledge to the GENERATOR SI  e completed by haul  D. Pump Our Date: the disposal facility ue and correct.  completed by dispose	r decenses of the source GNATURE  Date 2/26/18  er)  named below and was
The undersige and type of we REQUIRED D. Signature  3. HAULER A. Co. B. SO. E. N. The adisch F. Signature	ALL WAS CONDIT  ned, being duly authorized astewater identified and su of Generator or Agent  R OF LIQUID WAS TE (S company name Course or type DPW Permit No.  2 STEP OF CONTROL OF THE CONTROL OF CO	STEWATH FIONS COI I does here abject to thin ent of Sections 3A. Sections 3A. We Vehic te was picked alty of perjunt and title.	by certify to the smanifest. Since Cyclyne  3B, 3C, 3D and cle Ligents Note that the for the control of the con	d 3E must be d by me to regoing is tr	charge permy neir knowledge to the GENERATOR SIGNERATOR	r decenses of the source GNATURE  Date 2/26/18  er)  named below and was
The undersige and type of we REQUIRED D. Signature  3. HAULER A. Co. B. SO. E. N. The adisch F. Signature	ALL WAS CONDIT  ned, being duly authorized astewater identified and su of Generator or Agent A  ROF LIQUID WASTE (S  company name Course or type DPW Permit No.  Above described liquid was larged. I certify under penal gnature of authorized agen  ANCE BY CLEAR FLO	STEWATH FIONS COI I does here abject to thin ent of Sections 3A. Sections 3A. We Vehic te was picked alty of perjunt and title.	by certify to the smanifest. Since S	d 3E must be d by me to regoing is tr	charge permy neir knowledge to the GENERATOR SIGNERATOR	r decenses of the source GNATURE  Date 2/26/18  er)  named below and was
The undersig and type of we REQUIRED D. Signature  3. HAULEF A. Co. B. So. E. N. The a disch F. Signature  4. ACCEPT  The a	ALL WAS CONDIT  ned, being duly authorized astewater identified and su of Generator or Agent  R OF LIQUID WAS TE (S company name Course or type DPW Permit No.  2 STEP OF CONTROL OF THE CONTROL OF CO	STEWATH FIONS COLL. does here abject to this ent of extreme SA. Bections 3A. Bectio	by certify to the smanifest. Since Cyclyne  3B, 3C, 3D and cle Ligents Note that the for the control of the con	d 3E must be d by me to regoing is tr	charge permy neir knowledge to the GENERATOR SIGNERATOR	r decenses of the source GNATURE  Date 2/26/18  er)  named below and was

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RECEIVED NYSCEF: 06/14/2022

	MANIFEST NUMBER					
	Part 1		Par	t 2	Pa	rt 3 <sub>Page G-188</sub>
CLEAR FLO TECHNOLOGIES, INC.	•		- <del></del>			
1110 A Rte. 109		10/	9.9	7/	202	CUO
N. Lindenhurst, N.Y. 11757 Tel: (631) 956-7600	2-27-		1.6		00	098
Fax: (631) 956-7020	Date of Pick-U	p	Time of F	ick-Up	Chronologica /Also Used a	l Number Sample #
	(Use 2 Digit Nu	mbers)	Military	Time)	(Assigned at	
LIOVID MACTE DISCULA DOD MANAGON	Example 04010		(2,22,2)		Receiving St	ation)
LIQUID WASTE DISCHARGE MANIFEST	1			1.574	Sed No Village	CARRY TALLS IN SURVEY
					4.3	N.
1 WASTEWATER STREAM IDENTIFICATION	l (Sections 1A, 1F	3, & 1C mu	st be com	pleted by	generator or l	nauler)
A. Volume:   Gallons   Wt. In:				Wt. Out:	grafia to the first	
B. Type: Condensate Water Decant	Grease	Grease		Indust	rial Rinse	Leachate
Leachate Pool Pharma		Septic/S	Septage	Sludge	e (1)	Storm Water
		Other:		£ 1		
C. Source Home/Apt.	Commercial	Munici	pal	Indust	rial ]	Other
Description of Other and special handling instructi	ions, if anv		一定			
		ngara, garaga	6 3.25 o	san la la la de la companya de la c La companya de la co	andras e secondada April despertanta action	And the Annual Control
2 CENERATOR OF WASTINGTON OF A	A 010 & 00	h1		1	TZ.4ZA	
2. GENERATOR OF WASTEWATER (Sections 2)	A 2B, & 2C must	be comple	ted by ge	nerator or	namer)	
A. Complete Name (print or type): 12/10	1)408		B	Tel. No:	75	
1//00122	LEIX	e T	1 10 1	1ec	1 , 1-7	97
C. Complete Pickup Address:///////////////////////////////////	726	01.	797V	15		<u>80</u>
ATT NVA SVETNIVA OV	me annorm		mxxxx mxx			
ALL WASTEWATE CONDITIONS CO						
			LILACUL			
The undersigned, being duly authorized, does here	by certify to the	best of the	ir knowle	dge/to the	accuracy of	he source
and type of wastewater identified and subject to thi REQUIRED	s manifest. SEC	TION D	GENER	ATOR SIC	GNATURE	
D. Signature of Generator or Agent: Agent o-	Guralen	. 11h	//	1 5	Date	127/18
d to the second	7.7	A COLUMN		1/1		
		program (program) i				
3. HAULER OF LIQUID WASTE (Sections 3A,	3B, 3C, 3D and 3	E must be	complete	d by haule	er)	
$\Lambda / \rho$	1/11/00					
A. Company name (phytor type).  B. SCDPW Permit Word (Control type).	cle License No.	375	n 🔎 -	Ont Data	フ-フラニ	12
E. NYS DEC Permit No. 4	TIE TILOUSE MOSE	10/	D. L. DELID.	out Date:		
	0			N		
The above described liquid waste was picket	ed up and hauled	by me to t	he dispos	al facility	named below	and was
discharged I certify under penalty of perju	ry that the foreg	oing is tru	e and cor	rect.		
F. Signature of authorized agent and title.	Millell 1	ULL	IQ.	1		
and the Z	entropies (et al. andres			1.1/2000-15	ZO ZET ZET KENTA	Markey S. V. L. San
			$\mathcal{U}^{-}$	1		
ACCEPTANCE BY CLEAR FLO TECHNO	LOGIES, INC. (	must be co	impleted l	by dispose	r)	
The above hauler delivered the described v			122	Z	1.0	
CHE above trailer delivered ine described y	yastewater to the	usposal I	actity and	The was ac	cepted	
Disposal Date: 427//8	Sample ID	Vo.	المياح	うとく	18	
	Cambie (D)		-77Î_	COLLEGE		
Signature of authorized agent and fitle:			1			
		. 14.34		17 / W. A.		
PINK-GENERATOR YELLOW-TRANS	PORTER V	VHITE_	DISPOS	AL FACI	LITY G(	LD-FILE
を1972年、大学は1972年の大学の大学は1972年(1987年)、1982年(1982年) 1982年 - 1982			3.4	a	CANADA CANADA	

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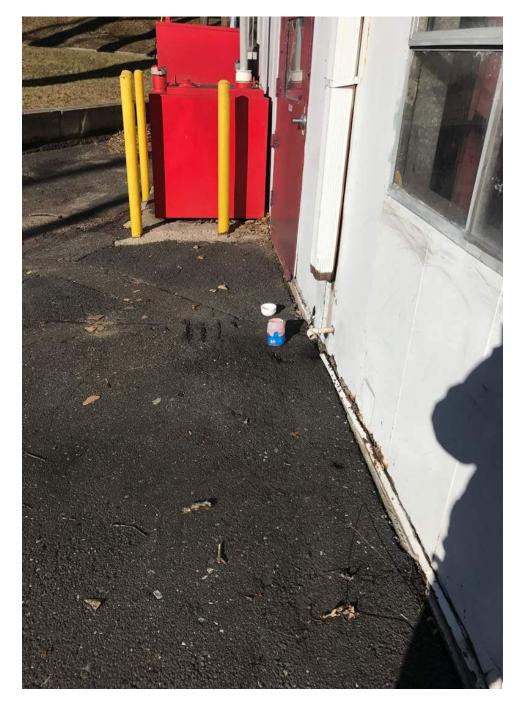
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APPENDIX D PHOTO LOG

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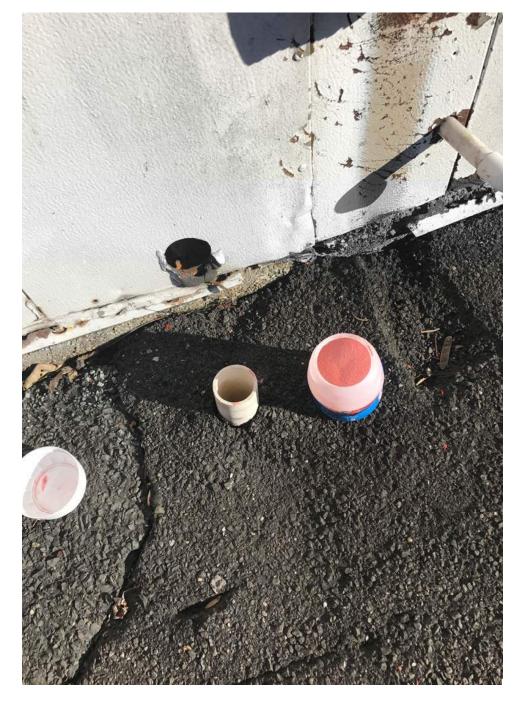


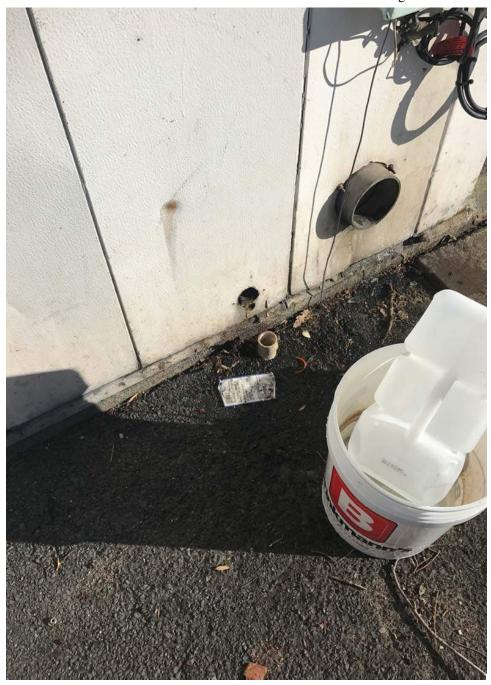


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GYRODYNE PROPERTY (CATERING FACILITY)

1 FLOWERFIELD

ST. JAMES, NEW YORK

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## REMEDIATION REPORT

#### **SUBMITTED TO:**



Suffolk County Department of Health Services Office of Pollution Control 15 Horseblock Place Farmingville, New York 11738

#### ON BEHALF OF:

Gyrodyne, LLC 1 Flowerfield St. James, New York 11780

#### **PREPARED BY:**



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PWGC Project Number: GCA1704

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# REMEDIATION REPORT 1 FLOWERFIELD, ST. JAMES, NEW YORK (CATERING FACILITY)

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#### 1.0 INTRODUCTION

This Remediation Report has been prepared by P.W. Grosser Consulting Inc. (PWGC), on behalf of Gyrodyne, LLC, for the property located at 1 Flowerfield (Catering Facility) in St. James, New York (subject property). This report documents the results of remedial activities performed at the above-referenced site. The scope of work was based upon PWGC's Phase II Environmental Site Assessment (ESA) for the site, additional sampling results, and the requirements of the Suffolk County Department of Health Services (SCDHS) for the subject site.

#### 1.1 Site Description

The subject property is located at 1 Flowerfield (aka 199 Mills Pond Road) in the Hamlet of St. James, New York. The site is located in the Town of Smithtown and Suffolk County. The property is identified in the Suffolk County Tax Map as 0800-040.00-02.00-013.004.

The site measures approximately 12.6 acres, and is occupied by the Catering Facility Main Building, three residential houses (Houses A, B and C), and a Garage.

- Main Building Single story building, with no basement. Used as Catering Facility ballroom, dining room, bars, kitchens.
- House A Two story building with basement. Basement contains boiler and laundry room.
   First floor used for Catering Facility storage. Second floor is a residential apartment.
- House B Single story building with basement. Basement is used for Catering Facility storage.
   First floor is used as Catering Facility storage and a suite for Catering Facility clients.
- o House C Dilapidated, abandoned building. Not accessible for inspection.
- Garage Single story building with no basement. Used for storage of catering, maintenance, and landscaping equipment.

A Vicinity Map is included as **Figure 1**; a site plan is included as **Figure 2**.

#### 1.1 Environmental History

#### 1.1.1 Phase I ESA

PWGC performed a Phase I ESA for the site in June 2017. PWGC's Phase I ESA identified the following Recognized Environmental Concerns (REC) for the Catering Facility portion of the subject property:

• The current and historical usage of the site as a catering facility includes the presence of two kitchens where commercial grade degreasing/cleaning compounds and disinfectants are likely to be used. This, in conjunction with the presence of two on-site sanitary systems, represents

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pathways for such substances to potentially have been released to the environment.

- One 1,000-gallon fuel oil underground storage tank (UST) is present at the site (House B). This
  UST passed a tightness test in 1994. PWGC was unable to locate records for more recent
  tightness testing of this tank. Based on the apparent age of this tank (20+ years), and lack of
  recent testing data, it is possible that the tank has leaked, releasing petroleum to the
  subsurface.
- Although no evidence of USTs were identified, based on their apparent age, it is possible that
  out of service USTs may be present at the Catering Facility Building, House A, and/or House C.

#### 1.1.2 Phase II ESA

Based on the findings of the Phase I ESA, PWGC conducted a Phase II ESA for the subject property in September 2017. The Phase II ESA consisted of the following:

- A geophysical survey to identify potential USTs and/or confirm that potential historical USTs have been removed from the Catering Facility Main Building, and House A.
- Collection and analysis of soil samples from UST and/or former UST locations identified by the geophysical survey to confirm that a petroleum release has not occurred.
- Soil borings in the vicinity of the House B UST to evaluate whether a petroleum release has occurred.
- Characterization sampling of the Catering Facility Main Building sanitary systems.

Based on the results of the Phase II ESA, PWGC offered the following conclusions:

- A geophysical survey was performed throughout areas surrounding the three onsite buildings and garage. House B's UST was marked out. A potential former excavation area was located near the Main Building. No metallic anomalies consistent with USTs were identified. The area around House C was inaccessible due to heavy underbrush.
- Three soil borings were performed throughout the site in areas of concern. Two soil borings were installed in the vicinity of House B's UST and one soil boring was installed near the potential former excavation area near the Main Building.
- Petroleum impact was not identified in soils collected from the vicinity of House B's UST or the potential former excavation area.
- The geophysical survey determined that the sanitary systems for both kitchens within the Main Building were interconnected. Each of the 12 sanitary structures accessible at grade were sampled. Six primary structure samples and two secondary structure samples were submitted for laboratory analysis.

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VOCs and/or metals were detected at concentrations exceeding their respective SCDHS Action Levels
in samples collected from seven sanitary structures at the site.

#### 1.1.3 Remediation Work Plan

The September 2017 Phase II ESA was submitted to SCDHS. Based upon their review of the Phase II ESA, SCDHS required characterization sampling of nine additional sanitary structures. Sample results for three of these structures exceeded SCDHS Action Levels and they were added to the list of structures to be remediated. Following completion of additional sampling, SCDHS issued a Notice to Remediate (NTR) indicating that:

• Impacted structures identified in the Phase II ESA, and by additional characterization sampling be properly remediated.

In December 2017, PWGC submitted a Work Plan to SCDHS documenting the additional characterization sampling described above, and detailing a remedial scope of work to address the requirements of the NTR. The Work Plan was approved by SCDHS in January 2018.

A copy of the NTR is included in **Appendix A**.

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#### 2.0 REMEDIAL ACTIVITIES

Based on the Phase II ESA, and SCDHS directive PWGC performed remedial activities at the site consisting of the following:

Remediation of onsite sanitary structures GT001, GT002, ST001, ST002, ST003, CP001, CP002, CP003,
 CP004, CP010, and CP011.

#### 2.1 Remediation

Based on the findings of PWGC's Phase II ESA, onsite sanitary structures GT001, GT002, ST001, ST002, ST003, CP001, CP002, CP003, CP004, CP010, and CP011 were remediated on March 5, March 6, and March 14, 2018 in accordance with SCDHS requirements. Remedial activities were performed by Clearbrook of Deer Park, New York under the oversight of PWGC personnel. During remediation, the following discoveries were made regarding the sanitary system on site:

- CP004 is a second manhole cover for GT001. These have been combined and renamed as GT001 on the site plan.
- CP001 is a non-leaching structure (septic tank).
- CP002 and CP003 are connected as one septic tank with a baffle wall between them. The bottom of
  the tank under manhole cover CP003 was cracked and degrading, thus it was treated as a leaching
  structure. CP002 and CP003 have been combined and renamed ST004 on the site plan.

#### 2.1.1 Waste Removal

A vacuum powered pump truck was used to remove liquids from the previously mentioned structures. Following removal of liquids, a Guzzler was used to remove impacted sludge and sediment from the impacted structures until all solid material was removed or until clean native material was encountered, dependent on the nature of the structure.

#### 2.1.2 Endpoint Sample Collection

Following removal of sediments from the remediated structures, a confirmatory endpoint soil sample was collected from the base of cesspools CP010, and CP011, and septic tank ST004 to document the effectiveness of the cleanout. Endpoint samples were collected using a properly decontaminated hand auger, placed in laboratory supplied glassware, and stored in a cooler on ice for transport to the laboratory. SCDHS personnel were onsite to inspect each structure following remediation and to observe sampling of the structures.

As structures GT001, GT002, ST001, ST002, and CP001 are solid bottomed structures; no confirmatory endpoint samples were required.

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#### 2.1.3 Laboratory Analysis

Samples were collected in pre-cleaned laboratory supplied glassware and stored in a cooler packed with ice for shipment to the analytical laboratory. Samples were delivered under proper chain-of-custody procedures to Alpha Analytical, Inc. of Westborough, Massachusetts, a NYSDOH ELAP certified laboratory.

Endpoint sample analysis was targeted based upon which compounds exceeded SCDHS Action Levels in each structure. As such, samples were collected for these structures based on the following:

Impacted Structures	Contaminants Targeted
CP010 and CP011	VOCs
CP003 (aka ST004)	VOCs, Metals

#### 2.1.4 Analytical Results

Endpoint soil sample results were compared to the Cleanup Objectives specified in SCDHS SOP 9-95, Pumpout and Soil Cleanup Criteria. Analytical data is summarized in **Tables 1 and 2**; laboratory analytical reports are included in **Appendix B**.

Endpoint soil samples collected from the structures did not contain impact above SCDHS Cleanup Objectives. As such, it appears the remedial effort on these structures were successful.

#### 2.2 Waste Disposal

Wastes generated during UIC remediation were disposed of at properly permitted facilities, as detailed below. Copies of waste manifests and disposal recipes are included as **Appendix C**.

#### 2.2.1 Soil Disposal

An estimated total of 37.1 tons of non-hazardous sludge and sediment were generated during remediation. Non-hazardous solids were disposed of at Clearbrook of Deer Park New York.

### 2.2.2 Liquid Disposal

An estimated of 30,000 gallons of non-hazardous liquids were generated during remediation. Liquids were disposed of at Clear Flo Technologies, Inc. of North Lindenhurst, New York.

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#### 3.0 CONCLUSIONS AND RECOMMENDATIONS

PWGC implemented a remediation program for UIC structures at the property located at 1 Flowerfield (Catering Facility), St. James, New York. The scope of work was based upon PWGC's Phase II ESA for the site and the requirements of SCDHS for the subject site, and consisted of:

Remediation of onsite sanitary structures GT001, GT002, ST001, ST002, ST003, CP001, CP002, CP003,
 CP004, CP010, and CP011.

#### 3.1 Remedial Activities

The scope of work for remediation consisted of the removal of liquids and sediment from two grease traps, five septic tanks, and two cesspools containing impact exceeding SCDHS Action Levels. Remedial activities were performed by Clearbrook of Deer Park, New York under the oversight of PWGC personnel. An estimated total of 37.1 tons of non-hazardous soils were generated during remediation. Non-hazardous soils were disposed of at Clearbrook of Deer Park New York. An estimated total of 30,000 gallons of non-hazardous liquids were generated during remediation. Liquids were disposed of at Clear Flo Technologies, Inc. of North Lindenhurst, New York, New York.

#### 3.2 Endpoint Sample Data

Confirmatory endpoint soil samples were collected from the base of structures CP010, CP011, and CP003 (aka ST004) to document the effectiveness of the cleanout. As structures GT001, GT002, ST001, ST002, ST003, and CP001 are solid bottom (non-leaching) structures, no endpoint sample was necessary. Endpoint sample analysis was targeted based upon which compounds exceeded SCDHS Action Levels in each structure.

Contaminant concentrations in the endpoint soil samples collected from these structures were below SCDHS Cleanup Objectives.

#### 3.3 Recommendations

Based on endpoint sample results, it appears that the remedial effort was successful, and PWGC recommends that a No Further Action letter be issued for the site.

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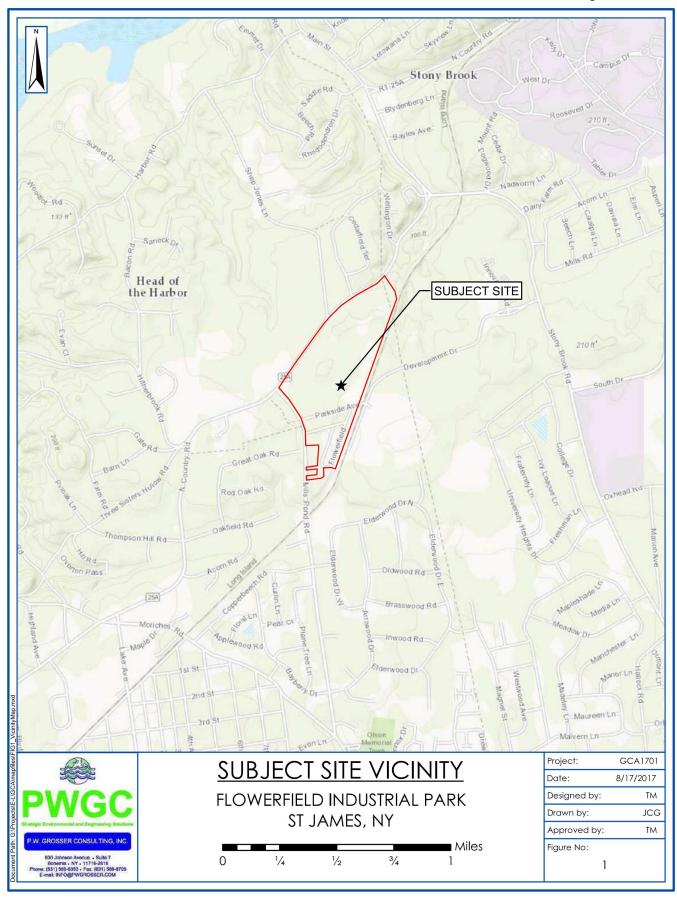
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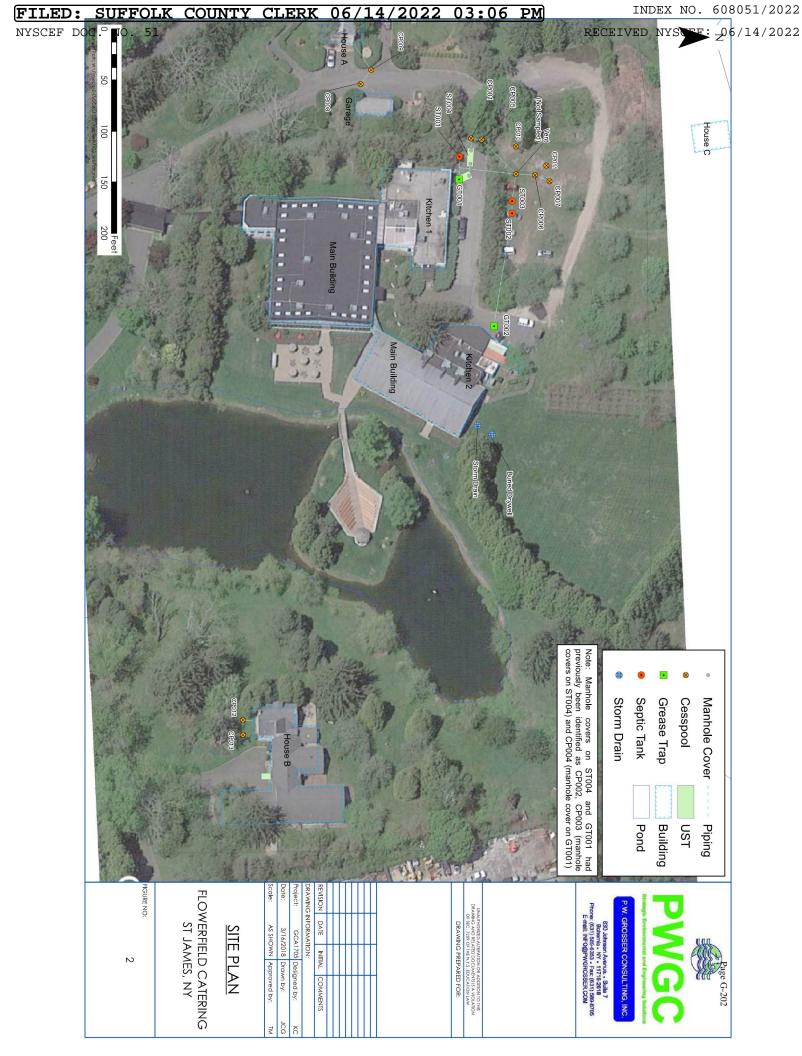
# **FIGURES**

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# **TABLES**

Table 1

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Soil Sample Analytical Results - Volatile Organic Compounds Gyrodyne Property (Catering Hall) St. James, New York

CLIENT SAMPLE ID:	CAS Number	SCDHS	SCDHS	EP-CP	2002	EP-CF	2010	EP-CI	2011
LABORATORY ID:	CAS Number	Action	SCDHS Cleanup	L18088		EP-CF L18087		L18087	
SAMPLING DATE		Level	Objective	3/15/		3/14/		3/14/	
Volatile Organic Compounds			,					· · ·	
1,1,1,2-Tetrachloroethane	630-20-6	600	300	1	U	0.88	U	0.85	U
1,1,1-Trichloroethane	71-55-6	1,400	700	1	U	0.88	U	0.85	U
1,1,2,2-Tetrachloroethane	79-34-5	800	400	1	U	0.88	U	0.85	U
1,1,2-Trichloroethane	79-00-5	200	100	1.6	U	1.3	U	1.3	U
1,1-Dichloroethane 1.1-Dichloroethene	75-34-3 75-35-4	600 600	300 300	1.6	U	1.3 0.88	U	1.3 0.85	U U
1,1-Dichloropropene	563-58-6	200	100	5.3	U	4.4	U	4.3	U
1,2,3-Trichlorobenzene	87-61-6	17,000	8,300	5.3	U	4.4	U	4.3	U
1,2,3-Trichloropropane	96-18-4	100	50	10	U	8.8	U	8.5	U
1,2,4,5-Tetramethylbenzene	95-93-2	18,000	8,800	4.2	U	3.5	U	3.4	U
1,2,4-Trichlorobenzene	120-82-1	17,000	8,300	5.3	U	4.4	U	4.3	U
1,2,4-Trimethylbenzene	95-63-6	7,200	3,600	0.86	J	4.4	U	0.25	J
1,2-Dibromo-3-chloropropane 1,2-Dibromoethane	96-12-8 106-93-4	100 600	50 300	5.3 4.2	U	4.4 3.5	U	4.3 3.4	U
1,2-Dipromoethane 1,2-Dichlorobenzene	95-50-1	2,200	1,100	5.3	U	4.4	U	4.3	U
1,2-Dichloroethane	107-06-2	100	50	1	U	0.88	U	0.85	U
1,2-Dichloropropane	78-87-5	100	50	3.7	U	3.1	U	3	U
1,3,5-Trimethylbenzene	108-67-8	16,800	8,400	0.43	J	4.4	U	4.3	U
1,3-Dichlorobenzene	541-73-1	4,800	2,400	5.3	U	4.4	U	4.3	U
1,3-Dichloropropane	142-28-9	600	300	5.3	U	4.4	U	4.3	U
1,4-Dichlorobenzene	106-46-7	3,600	1,800	0.21	J	4.4	U	1.9	J
2,2-Dichloropropane	594-20-7	600 400	300 200	5.3 10	U	4.4 8.8	U	4.3 9.6	U
2-Butanone 4-Methyl-2-pentanone	78-93-3 108-10-1	1,400	700	10	U	8.8	U	1.3	1
Acetone	67-64-1	**	**	5.5	1	17		68	J
Benzene	71-43-2	120	60	1	U	0.88	U	0.85	U
Bromobenzene	108-86-1	2,800	1,400	5.3	Ū	4.4	Ū	4.3	U
Bromochloromethane	74-97-5	400	200	5.3	U	4.4	U	4.3	U
Bromodichloromethane	75-27-4	4,600	2,300	1	U	0.88	U	0.85	U
Bromoform	75-25-2	13,000	6,300	4.2	U	3.5	U	3.4	U
Carbon tetrachloride	56-23-5 108-90-7	1,600	800	1 1	U	0.88	U	0.85	U
Chlorobenzene Chloroethane	75-00-3	2,200 400	1,100 200	2.1	U	1.8	U	1.7	U
Chloroform	67-66-3	800	400	1.6	U	1.3	U	1.3	U
cis-1,2-Dichloroethene	156-59-2	500	250	1	U	0.88	U	0.85	U
cis-1,3-Dichloropropene	10061-01-5	100	50	1	Ū	0.88	Ū	0.85	Ū
Dibromochloromethane	124-48-1	6,200	3,100	1	U	0.88	U	0.85	U
Dibromomethane	74-95-3	400	200	10	U	8.8	U	8.5	U
Dichlorodifluoromethane	75-71-8	600	300	10	U	8.8	U	8.5	U
Ethylbenzene	100-41-4 76-13-1	2,000	1,000	1 5.2	U	0.88	U	0.7	J U
Freon-113 Hexachlorobutadiene	87-68-3	12,000 54,000	6,000 27,000	5.3	U	18 4.4	U	17 4.3	U
Isopropylbenzene	98-82-8	9,400	4,700	2.1	U	0.88	U	0.85	U
Methyl tert butyl ether	1634-04-4	200	100	10	U	1.8	Ū	1.7	U
Methylene chloride	75-09-2	100	50	5.3	U	8.8	U	8.5	U
n-Butylbenzene	104-51-8	12,000	5,900	1	U	4.4	U	0.35	J
n-Propylbenzene	103-65-1	8,000	4,000	1 5.2	U	0.88	U	0.85	U
Naphthalene	91-20-3	24,000	12,000	5.3	U	0.88	U	0.85	U
o-Chlorotoluene o-Xylene	95-49-8 95-47-6	5,200 NS	2,600 1,600	2.1	U	1.8	U	4.3 1.7	U
p/m-Xylene	179601-23-1	NS NS	1,600	5.3	U	1.8	U	0.56	<u>J</u>
p-Chlorotoluene	106-43-4	5,200	2,600	4.2	U	4.4	U	4.3	U
p-Diethylbenzene	105-05-5	52,000	26,000	0.45	J	3.5	Ū	3.4	Ū
p-Ethyltoluene	622-96-8	9,000	4,500	1	U	3.5	U	3.4	U
p-Isopropyltoluene	99-87-6	22,000	11,000	1	U	0.88	U	0.82	J
sec-Butylbenzene	135-98-8	12,000	5,900	2.1	U	0.88	U	0.85	U
Styrene	100-42-5	9,200	4,600	5.3	U	1.8	U	1.7	U
	98-06-6	12,000	5,900 1,300	0.24	U	4.4 0.88	U	4.3 0.85	U
tert-Butylbenzene	127 10 /			U.24	J	. U.OO	U	i v.čo	U
Tetrachloroethene	127-18-4 108-88-3	2,600 3,000			U				
,	108-88-3	3,000	1,500	1.6	U	1.3	U	10	U
Tetrachloroethene Toluene					U U U		U		U U
Tetrachloroethene Toluene trans-1,2-Dichloroethene	108-88-3 156-60-5	3,000 400	1,500 200	1.6 1	Ū	1.3 1.3	U	10 1.3	
Tetrachloroethene Toluene trans-1,2-Dichloroethene trans-1,3-Dichloropropene	108-88-3 156-60-5 10061-02-6	3,000 400 100	1,500 200 50	1.6 1 1	U	1.3 1.3 0.88	U U U	10 1.3 0.85	U

All concentrations are ug/kg (ppb)

(1) Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, August 2010.

\*\* - Standard is determined on a case by case basis
Highlighted text denotes concentrations exceeding SCDHS Action Levels.
NS - No Standard
U - Indicates that the analyte was not detected above the laboratory MDL

J - Estimated value NA - Not Analyzed

Table 2

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## Soil Sample Analytical Results - Total Metals Gyrodyne Property (Catering Hall) St. James, New York

CLIENT SAMPLE ID: LABORATORY ID: SAMPLING DATE Total Metals	CAS Number	SCDHS Action Level	SCDHS Cleanup Objective	EP-CF L18088 3/15/	73-01
Arsenic, Total	7440-38-2	30	6	0.605	
Barium, Total	7440-39-3	4,000	820	8.66	
Beryllium, Total	7440-41-7	240	47	0.177	J
Cadmium, Total	7440-43-9	40	8	0.103	J
Chromium, Total	7440-47-3	100	20	8.13	
Copper, Total	7440-50-8	8,500	1,700	9.39	
Lead, Total	7439-92-1	2,000	450	3.64	
Mercury, Total	7439-97-6	3.7	0.7	0.08	U
Nickel, Total	7440-02-0	650	130	6.12	
Silver, Total	7440-22-4	50	10	0.492	U

#### Notes:

All concentrations are mg/kg (ppm)

(1) Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, August 2010.

Highlighted text denotes concentrations exceeding SCDHS Action Levels.

NS - No Standard

U - Indicates that the analyte was not detected above the laboratory MDL

J - Estimated value

<sup>\*\* -</sup> Standard is determined on a case by case basis

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# APPENDIX A CORRESPONDENCE

INDEX NO. 608051/2022

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COUNTY OF SUFFOLK



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DEPARTMENT OF HEALTH SERVICES

JAMES L. TOMARKEN, MD, MPH, MBA, MSW COMMISSIONER

December 15, 2017

Gyrodyne LLC 1 Flowerfield, Suite 24 Saint James, NY 11780

Re:

NYSCEF DOC. NO. 51

Flowerfield Industrial Park and Catering

1 Flowerfield, Saint James, NY

**SCFR# 04458** 

Dear Sir or Madam,

This letter is to advise you that our office has reviewed the environmental assessment performed by PWG Consulting at the above-referenced location. Review of the laboratory analyses provided found one or more of the following compounds present in the sample(s) collected: volatile organic compounds, semi-volatile organic compounds, and/or heavy metals. The compounds found are present at concentrations indicative of unpermitted discharges of industrial waste.

Compounds that have exceeded the Suffolk County SOP-9-95 guidelines are considered toxic or hazardous and are not to be discharged to the ground surface, sanitary systems, storm drains, or any other leaching system. Please be advised that the discharge of any liquid from an industrial process without having first obtained a SPDES permit for that discharge is a violation of the New York State Environmental Conservation Law and Article 12 of the Suffolk County Sanitary Code. These regulations were promulgated to protect the groundwater, the drinking water resource in Suffolk County.

Due to the elevated levels found, YOU ARE DIRECTED to have all contaminated solids/sludge and liquids pumped from all contaminated structures as indicated below, including all structures connected to them not previously sampled. Please be advised that the remediation activity can only be accomplished by a licensed industrial waste transporter. The New York State Department of Environmental Conservation can verify the permit status of an industrial waste transporter. NYSDEC can be reached at (518) 402-8792 or by e-mail at transport@dec.nv.gov.

#### Flowerfield Catering

Impacted Structure(s):	Contaminant(s) Found:	Endpoint(s) for:
Sanitary Systems GT1, GT2, ST1, ST2, ST3, CP4, CP10, CP11	VOCs	VOCs
CP1, CP2	VOCs, Heavy Metals	VOCs, Heavy Metals

over-

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Flowerfield Industrial Campus

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Impacted Structure(s): Contaminant(s) Found: Endpoint(s) for: Storm Water Drywells SD-13, SD-17 **SVOCs SVOCs** Sanitary Systems 9ST, 9PLP, 9SLPC, 10ST, **VOCs VOCs** 12PLP, 13ST, 13PLP, 14ST 7ST, 11ST, 12ST, 12PLP1 VOCs, Heavy Metals VOCs, Heavy Metals 11SLP VOCs, SVOCs VOCs, SVOCs

#### **Additional Requirements:**

- Soil sample analysis from SD19 and the final discharge location of the two white PVC pipes on the south side of Building 2.
- Permanently disconnect the interior sink influent sources from SD10, SD15 and SD18 at the industrial campus as this is in violation of Suffolk County Sanitary Code.

Following the extraction of the contaminated soils from the leaching structures, confirmatory endpoint sample collection will be required to prove the remediation satisfactory. If endpoint samples or the nature of the contaminants indicate that further environmental contamination may be present, additional remedial measures including, but not limited to, a ground water investigation and/or soil vapor intrusion investigation will be required by the Department.

Failure to comply with the directives set forth in this letter by January 26, 2018 will result in this matter being scheduled for a formal administrative hearing at which time the Department will be seeking the imposition of the maximum penalties of \$2000.00 per day for each and every violation of the Suffolk County Sanitary Code including, but not limited to, failure to comply with the directives set forth in this letter. Your immediate attention to this matter is, therefore, expected.

#### **Scope of Work to be Performed:**

- Submit application and check for the remaining fee in the amount of \$550.00 made out to The Suffolk County Department of Health Services (SCDHS). Fee covers Closure Review.
- Retain the services of a licensed industrial waste transporter and/or environmental consultant.

  Contact the NYSDEC regarding the permitting status of the waste transporter and disposal facility.
- Provide a work plan describing the proposed remedial action.
- Contact the undersigned to schedule a remediation inspection/oversee additional requirements.
- Provide post-excavation end-point sample analyses for all impacted structures.
- Provide waste-disposal manifest(s) for all contaminated liquid and soil.
- Contact the United States Environmental Protection Agency at <a href="http://www.epa.gov/safewater/uic">http://www.epa.gov/safewater/uic</a> regarding their Underground Injection Control (UIC) program requirements.

All field activities must be scheduled at mutually agreeable times with the Department. If you have any questions concerning these matters or to schedule an appointment, please contact the undersigned.

Sincerely,

Peter Priolo

Public Health Sanitarian

Bureau of Environmental Investigation and Remediation

(631) 854-2545

CC: T. Melia, PWGC; NYSDEC, USEPA

Edward Roe

Senior Public Health Sanitarian

(631) 854-2534

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# APPENDIX B LABORATORY ANALYTICAL REPORTS

NYSCEF DOC. NO. 51

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#### ANALYTICAL REPORT

Lab Number: L1808721

Client: P. W. Grosser

630 Johnson Avenue

Suite 7

Bohemia, NY 11716

ATTN: Thomas Melia
Phone: (631) 589-6353

Project Name: GYRODYNE-CATERING

Project Number: GCA1705
Report Date: 03/21/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



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Receive Date	Collection Date/Time	Sample Location	xirjsM	Olient ID	shqlA Gl əlqms2
81/11/80	97:4181/71/80	1 FLOWERFIELD, ST. JAMES, NY	ROIF	Eb-Cb010	1808721-01
03\14\18	03/14/18 15:00	1 FLOWERFIELD, ST. JAMES, NY	SOIF	EP-CP011	11808721-02

03/51/18 Report Date: F1808721 Page G-211

гэр улшрөк:

Serial\_No:03211811:43

Project Number: GCA1705

Project Name: GYRODYNE-CATERING

NYSCEF DOC. NO. 51

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Project Name: GYRODYNE-CATERING Lab Number: L1808721

Project Number: GCA1705 Report Date: 03/21/18

#### **Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

#### HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



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Project Name: GYRODYNE-CATERING

Lab Number:

L1808721

Project Number: GCA1705

Report Date:

03/21/18

**Case Narrative (continued)** 

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Casten Walker Cristin Walker

Authorized Signature:

Title: Technical Director/Representative

Date: 03/21/18



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# **ORGANICS**



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# **VOLATILES**



#### SUFFOLK COUNTY CLERK 06/14/2022

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**Project Name: GYRODYNE-CATERING** 

Soil

KD 89% Lab Number:

L1808721

**Project Number:** 

GCA1705

**Report Date:** 

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**SAMPLE RESULTS** 

Lab ID: Client ID: L1808721-01

EP-CP010

Sample Location:

1 FLOWERFIELD, ST. JAMES, NY

Sample Depth:

Matrix:

Analytical Method: 1,8260C 03/19/18 16:30 Analytical Date:

Analyst: Percent Solids: Date Collected: 03/14/18 14:45

Date Received: 03/14/18 Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - We	estborough Lab					
Methylene chloride	ND		ug/kg	8.8	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.24	1
Chloroform	ND		ug/kg	1.3	0.32	1
Carbon tetrachloride	ND		ug/kg	0.88	0.30	1
1,2-Dichloropropane	ND		ug/kg	3.1	0.20	1
Dibromochloromethane	ND		ug/kg	0.88	0.15	1
1,1,2-Trichloroethane	ND	••	ug/kg	1.3	0.28	1
Tetrachloroethene	ND		ug/kg	0.88	0.26	1
Chlorobenzene	ND	÷ :	ug/kg	0.88	0.31	1
Trichlorofluoromethane	ND	-	ug/kg	4.4	0.37	1
1,2-Dichloroethane	ND	• •	ug/kg	0.88	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.88	0.31	1
Bromodichloromethane	ND	•	ug/kg	0.88	0.27	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	0.18	1
cis-1,3-Dichloropropene	ND	•	ug/kg	0.88	0.20	1
1,1-Dichloropropene	ND	•	ug/kg	4.4	0.29	1
Bromoform	ND	•	ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND	• •	ug/kg	0.88	0.26	1
Benzene	ND		ug/kg	0.88	0.17	1
Toluene	ND		ug/kg	1.3	0.17	1
Ethylbenzene	ND		ug/kg	0.88	0.15	1
Vinyl chloride	ND		ug/kg	1.8	0.28	1
Chloroethane	ND		ug/kg	1.8	0.28	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.21	1
Trichloroethene	ND		ug/kg	0.88	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.4	0.19	1

SUFFOLK COUNTY CLERK 06/14/2022

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Serial\_No:03211811:43

**Project Name: GYRODYNE-CATERING** 

Lab Number:

**Report Date:** 

L1808721

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**Project Number:** GCA1705

**SAMPLE RESULTS** 

Lab ID: L1808721-01 Client ID: EP-CP010

Sample Location: 1 FLOWERFIELD, ST. JAMES, NY Date Collected: 03/14/18 14:45 Date Received: 03/14/18

Field Prep: Not Specified

Sample Depth:

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Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	stborough Lab					
1,4-Dichlorobenzene	ND		ug/kg	4.4	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.13	1
p/m-Xylene	ND		ug/kg	1.8	0.31	1
o-Xylene	ND		ug/kg	1.8	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.30	1
Dibromomethane	ND		ug/kg	8.8	0.21	1
Styrene	ND		ug/kg	1.8	0.35	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.44	1
Acetone	17	-	ug/kg	8.8	2.0	1
2-Butanone	ND	_	ug/kg	8.8	0.61	1
4-Methyl-2-pentanone	ND	-	ug/kg	8.8	0.21	1
1,2,3-Trichloropropane	ND	-	ug/kg	8.8	0.16	1
Bromochloromethane	ND		ug/kg	4.4	0.31	1
2,2-Dichloropropane	ND		ug/kg	4.4	0.40	1
1,2-Dibromoethane	ND	_	ug/kg	3.5	0.18	1
1,3-Dichloropropane	ND		ug/kg	4.4	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.88	0.28	1
Bromobenzene	ND	-	ug/kg	4.4	0.19	1
n-Butylbenzene	ND	_	ug/kg	0.88	0.20	1
sec-Butylbenzene	ND	-	ug/kg	0.88	0.19	1
tert-Butylbenzene	ND	-	ug/kg	4.4	0.22	1
o-Chlorotoluene	ND		ug/kg	4.4	0.19	1
p-Chlorotoluene	ND		ug/kg	4.4	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	0.35	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.31	1
Isopropylbenzene	ND		ug/kg	0.88	0.17	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.18	1
Naphthalene	ND		ug/kg	4.4	0.12	1
n-Propylbenzene	ND		ug/kg	0.88	0.19	1
1,2,3-Trichlorobenzene	ND	-	ug/kg	4.4	0.22	1
1,2,4-Trichlorobenzene	ND	=	ug/kg	4.4	0.19	1
1,3,5-Trimethylbenzene	ND	-	ug/kg	4.4	0.14	1
1,2,4-Trimethylbenzene	ND		ug/kg	4.4	0.16	1
Freon-113	ND		ug/kg	18	0.45	1
p-Diethylbenzene	ND		ug/kg	3.5	3.5	1
p-Ethyltoluene	ND		ug/kg	3.5	0.20	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.14	1



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Project Name: GYRODYNE-CATERING Lab Number: L1808721 Page G-218

Project Number: GCA1705 Report Date: 03/21/18

**SAMPLE RESULTS** 

Lab ID:L1808721-01Date Collected:03/14/18 14:45Client ID:EP-CP010Date Received:03/14/18Sample Location:1 FLOWERFIELD, ST. JAMES, NYField Prep:Not Specified

Sample Depth:

Parameter Result Qualifier Units RL MDL Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	100	70-130	
Toluene-d8	100	70-130	
4-Bromofluorobenzene	103	70-130	
Dibromofluoromethane	101	70-130	



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**Project Name:** GYRODYNE-CATERING

Lab Number: L1808721

Report Date:

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Project Number: GCA1705

**SAMPLE RESULTS** 

Lab ID: L1808721-02 Client ID: EP-CP011

Sample Location: 1 FLOWERFIELD, ST. JAMES, NY

Date Collected: 03/14/18 15:00
Date Received: 03/14/18
Field Prep: 03/14/18
Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/20/18 11:49

Analyst: AD Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - W	estborough Lab					
Methylene chloride	ND		ug/kg	8.5	1.4	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.23	1
Chloroform	ND		ug/kg	1.3	0.32	1
Carbon tetrachloride	ND		ug/kg	0.85	0.29	1
1,2-Dichloropropane	ND		ug/kg	3.0	0.19	1
Dibromochloromethane	ND		ug/kg	0.85	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.27	1
Tetrachloroethene	ND		ug/kg	0.85	0.26	1
Chlorobenzene	ND	-	ug/kg	0.85	0.30	1
Trichlorofluoromethane	ND	-	ug/kg	4.3	0.36	1
1,2-Dichloroethane	ND		ug/kg	0.85	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.85	0.30	1
Bromodichloromethane	ND		ug/kg	0.85	0.26	1
trans-1,3-Dichloropropene	ND		ug/kg	0.85	0.18	1
cis-1,3-Dichloropropene	ND		ug/kg	0.85	0.20	1
1,1-Dichloropropene	ND		ug/kg	4.3	0.28	1
Bromoform	ND		ug/kg	3.4	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.85	0.25	1
Benzene	ND	_	ug/kg	0.85	0.16	1
Toluene	10	_	ug/kg	1.3	0.17	1
Ethylbenzene	0.70	J	ug/kg	0.85	0.14	1
Vinyl chloride	ND	_	ug/kg	1.7	0.27	1
Chloroethane	ND		ug/kg	1.7	0.27	1
1,1-Dichloroethene	ND		ug/kg	0.85	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.20	1
Trichloroethene	ND		ug/kg	0.85	0.26	1
1,2-Dichlorobenzene	ND		ug/kg	4.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	4.3	0.19	1



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Project Name: GYRODYNE-CATERING

Project Number: GCA1705

Lab Number: Report Date:

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SAMPLE RESULTS

Lab ID: L1808721-02 Client ID: EP-CP011

1 FLOWERFIELD, ST. JAMES, NY

Date Collected: 03/14/18 15:00 Date Received: 03/14/18

Field Prep: Not Specified

Sample Depth:

Sample Location:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Wes	tborough Lab					
1,4-Dichlorobenzene	1.9	J	ug/kg	4.3	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.13	1
p/m-Xylene	0.56	J	ug/kg	1.7	0.30	1
o-Xylene	ND		ug/kg	1.7	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.85	0.29	1
 Dibromomethane	ND		ug/kg	8.5	0.20	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	8.5	0.43	1
Acetone	68	-	ug/kg	8.5	2.0	1
2-Butanone	9.6	-	ug/kg	8.5	0.59	1
	1.3	J	ug/kg	8.5	0.21	1
1,2,3-Trichloropropane	ND	=	ug/kg	8.5	0.15	1
Bromochloromethane	ND	-	ug/kg	4.3	0.30	1
2,2-Dichloropropane	ND	=	ug/kg	4.3	0.38	1
	ND	=	ug/kg	3.4	0.17	1
1,3-Dichloropropane	ND	=	ug/kg	4.3	0.16	1
1,1,1,2-Tetrachloroethane	ND	=	ug/kg	0.85	0.27	1
Bromobenzene	ND		ug/kg	4.3	0.19	1
n-Butylbenzene	ND	-	ug/kg	0.85	0.19	1
sec-Butylbenzene	ND	-	ug/kg	0.85	0.18	1
tert-Butylbenzene	ND		ug/kg	4.3	0.21	1
o-Chlorotoluene	ND		ug/kg	4.3	0.19	1
p-Chlorotoluene	ND		ug/kg	4.3	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.3	0.34	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.30	1
Isopropylbenzene	ND		ug/kg	0.85	0.16	1
p-Isopropyltoluene	0.82	J	ug/kg	0.85	0.17	1
Naphthalene	0.35	J	ug/kg	4.3	0.12	1
n-Propylbenzene	ND		ug/kg	0.85	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	4.3	0.21	1
1,2,4-Trichlorobenzene	ND		ug/kg	4.3	0.18	1
1,3,5-Trimethylbenzene	ND		ug/kg	4.3	0.14	1
1,2,4-Trimethylbenzene	0.25	J	ug/kg	4.3	0.16	1
Freon-113	ND		ug/kg	17	0.44	1
p-Diethylbenzene	ND		ug/kg	3.4	3.4	1
p-Ethyltoluene	ND		ug/kg	3.4	0.20	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.13	1



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RECEIVED NYSCEF: 06/14/2022

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Project Name: GYRODYNE-CATERING

Lab Number: L1808721

**Report Date:** 

Field Prep:

RL

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INDEX NO. 608051/2022

Project Number: G

GCA1705

Result

03/21/18

**Dilution Factor** 

**SAMPLE RESULTS** 

Lab ID: L1808721-02 Client ID: EP-CP011 Date Collected: 03/14/18 15:00 Date Received: 03/14/18

MDL

Sample Location: 1 FLOWERFIELD, ST. JAMES, NY

Not Specified

Sample Depth:

Parameter

Units

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	99	70-130	
Toluene-d8	104	70-130	
4-Bromofluorobenzene	122	70-130	
Dibromofluoromethane	99	70-130	

Qualifier



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RECEIVED NYSCEF: 06/14/2022

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Project Name: GYRODYNE-CATERING

Lab Number: Page G-222 L1808721

Project Number: GCA1705

**Report Date:** 03/21/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: 1,8260C 03/19/18 08:39

Analyst: MV

Methylene chloride  1,1-Dichloroethane  Chloroform	Westborough La  ND  ND  ND  ND	b for samp	ug/kg	Batch:	WG1098335-5	
1,1-Dichloroethane	ND ND	 -		_	1.6	
<u> </u>	ND .	-	ug/kg	-		
Chloroform	= .	_	0 0	1.5	0.27	
	ND		ug/kg	1.5	0.37	
Carbon tetrachloride			ug/kg	1.0	0.34	
1,2-Dichloropropane	ND		ug/kg	3.5	0.23	
Dibromochloromethane	ND		ug/kg	1.0	0.18	
1,1,2-Trichloroethane	ND	-	ug/kg	1.5	0.31	
Tetrachloroethene	ND	€	ug/kg	1.0	0.30	
Chlorobenzene	ND	-	ug/kg	1.0	0.35	
Trichlorofluoromethane	ND	-	ug/kg	5.0	0.42	
1,2-Dichloroethane	ND	-	ug/kg	1.0	0.25	
1,1,1-Trichloroethane	ND	=	ug/kg	1.0	0.35	
Bromodichloromethane	ND	-	ug/kg	1.0	0.31	
trans-1,3-Dichloropropene	ND	-	ug/kg	1.0	0.21	
cis-1,3-Dichloropropene	ND	-	ug/kg	1.0	0.23	
1,1-Dichloropropene	ND	-	ug/kg	5.0	0.33	
Bromoform	ND	-	ug/kg	4.0	0.24	
1,1,2,2-Tetrachloroethane	ND	-	ug/kg	1.0	0.30	
Benzene	0.25	J	ug/kg	1.0	0.19	
Toluene	ND	-	ug/kg	1.5	0.20	
Ethylbenzene	ND	-	ug/kg	1.0	0.17	
Vinyl chloride	ND	-	ug/kg	2.0	0.32	
Chloroethane	ND	-	ug/kg	2.0	0.32	
1,1-Dichloroethene	ND	-	ug/kg	1.0	0.37	
trans-1,2-Dichloroethene	ND	_	ug/kg	1.5	0.24	
Trichloroethene	ND		ug/kg	1.0	0.30	
1,2-Dichlorobenzene	ND		ug/kg	5.0	0.18	
1,3-Dichlorobenzene	ND		ug/kg	5.0	0.22	
1,4-Dichlorobenzene	ND		ug/kg	5.0	0.18	



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Project Name: GYRODYNE-CATERING

Lab Number: Page G-223 L1808721

**Project Number:** GCA1705

**Report Date:** 03/21/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: 1,8260C 03/19/18 08:39

Analyst: MV

rameter	Result	Qualifier	Units	RL	MDL
latile Organics by GC/MS - V	Vestborough La	ab for samp	e(s): 01	Batch: \	WG1098335-5
Methyl tert butyl ether	ND		ug/kg	2.0	0.15
p/m-Xylene	ND		ug/kg	2.0	0.35
o-Xylene	ND	_	ug/kg	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.34
Dibromomethane	ND	•	ug/kg	10	0.24
Styrene	ND		ug/kg	2.0	0.40
Dichlorodifluoromethane	ND	-	ug/kg	10	0.50
Acetone	ND	-	ug/kg	10	2.3
2-Butanone	ND	-	ug/kg	10	0.69
4-Methyl-2-pentanone	ND	-	ug/kg	10	0.24
1,2,3-Trichloropropane	ND	-	ug/kg	10	0.18
Bromochloromethane	ND	-	ug/kg	5.0	0.36
2,2-Dichloropropane	ND	-	ug/kg	5.0	0.45
1,2-Dibromoethane	ND	-	ug/kg	4.0	0.20
1,3-Dichloropropane	ND	=	ug/kg	5.0	0.18
1,1,1,2-Tetrachloroethane	ND	-	ug/kg	1.0	0.32
Bromobenzene	ND	-	ug/kg	5.0	0.22
n-Butylbenzene	ND	-	ug/kg	1.0	0.23
sec-Butylbenzene	ND	-	ug/kg	1.0	0.22
tert-Butylbenzene	ND	-	ug/kg	5.0	0.25
o-Chlorotoluene	ND	-	ug/kg	5.0	0.22
p-Chlorotoluene	ND		ug/kg	5.0	0.18
1,2-Dibromo-3-chloropropane	ND	-	ug/kg	5.0	0.40
Hexachlorobutadiene	ND		ug/kg	5.0	0.35
sopropylbenzene	ND		ug/kg	1.0	0.19
p-Isopropyltoluene	ND		ug/kg	1.0	0.20
Naphthalene	0.15	J	ug/kg	5.0	0.14
n-Propylbenzene	ND		ug/kg	1.0	0.22
,2,3-Trichlorobenzene	ND		ug/kg	5.0	0.25

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Project Name: GYRODYNE-CATERING

Lab Number: Page G-224 L1808721

Project Number: GCA1705

**Report Date:** 03/21/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: 1,8260C

Analyst:

MV

03/19/18 08:39

Parameter	Result Qu	alifier Units	RL	MDL
Volatile Organics by GC/MS	- Westborough Lab for	sample(s): 01	Batch:	WG1098335-5
1,2,4-Trichlorobenzene	ND	ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND	ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	0.19
Freon-113	ND —	ug/kg	20	0.51
p-Diethylbenzene	ND	ug/kg	4.0	4.0
p-Ethyltoluene	ND	ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND	ug/kg	4.0	0.16

Tentatively Identified Compounds

No Tentatively Identified Compounds

ND

ug/kg

		Acceptance			
Surrogate	%Recovery	Qualifier Crite	eria		
1,2-Dichloroethane-d4	99	70-1	30		
Toluene-d8	99	70-1	30		
4-Bromofluorobenzene	102	70-1	30		
Dibromofluoromethane	96	70-1	30		



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**Project Name: GYRODYNE-CATERING** 

Page G-225 L1808721 Lab Number:

**Project Number:** GCA1705 **Report Date:** 03/21/18

**Method Blank Analysis Batch Quality Control** 

Analytical Method: 1,8260C Analytical Date: 03/20/18 08:34

Analyst: MV

Parameter	Result	Qualifier	Units		RL	MDL
Volatile Organics by 8260/5035	- Westborough	Lab for sa	mple(s):	02	Batch:	WG1098741-5
Methylene chloride	5.7	J	ug/kg		10	1.6
1,1-Dichloroethane	ND		ug/kg		1.5	0.27
Chloroform	ND	_	ug/kg		1.5	0.37
Carbon tetrachloride	ND		ug/kg		1.0	0.34
1,2-Dichloropropane	ND		ug/kg		3.5	0.23
Dibromochloromethane	ND		ug/kg		1.0	0.18
1,1,2-Trichloroethane	ND	-	ug/kg	-	1.5	0.31
Tetrachloroethene	ND	-	ug/kg	-	1.0	0.30
Chlorobenzene	ND	-	ug/kg	-	1.0	0.35
Trichlorofluoromethane	ND	-	ug/kg	-	5.0	0.42
1,2-Dichloroethane	ND	-	ug/kg	-	1.0	0.25
1,1,1-Trichloroethane	ND	=	ug/kg	-	1.0	0.35
Bromodichloromethane	ND	-	ug/kg	-	1.0	0.31
trans-1,3-Dichloropropene	ND	-	ug/kg	-	1.0	0.21
cis-1,3-Dichloropropene	ND	-	ug/kg	-	1.0	0.23
1,1-Dichloropropene	ND	-	ug/kg	-	5.0	0.33
Bromoform	ND	-	ug/kg	-	4.0	0.24
1,1,2,2-Tetrachloroethane	ND	-	ug/kg	-	1.0	0.30
Benzene	ND	-	ug/kg	-	1.0	0.19
Toluene	ND	-	ug/kg	-	1.5	0.20
Ethylbenzene	ND	-	ug/kg	-	1.0	0.17
Vinyl chloride	ND	-	ug/kg	-	2.0	0.32
Chloroethane	ND	-	ug/kg	-	2.0	0.32
1,1-Dichloroethene	ND	-	ug/kg		1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg	_	1.5	0.24
Trichloroethene	ND		ug/kg		1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg		5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg		5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg		5.0	0.18



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**Project Name: GYRODYNE-CATERING** 

Page G-226 L1808721 Lab Number:

**Project Number:** GCA1705 **Report Date:** 03/21/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date:

1,8260C 03/20/18 08:34

Analyst: MV

Parameter	Result	Qualifier	Units		RL	MDL	
Volatile Organics by 8260/5035	- Westborough	Lab for sa	mple(s):	02	Batch:	WG1098741-5	
Methyl tert butyl ether	ND		ug/kg		2.0	0.15	
p/m-Xylene	ND		ug/kg		2.0	0.35	
o-Xylene	ND		ug/kg	-	2.0	0.34	
cis-1,2-Dichloroethene	ND	=	ug/kg		1.0	0.34	
Dibromomethane	ND	•	ug/kg		10	0.24	
Styrene	ND		ug/kg		2.0	0.40	
Dichlorodifluoromethane	ND	-	ug/kg	-	10	0.50	
Acetone	4.2	J	ug/kg		10	2.3	
2-Butanone	ND	-	ug/kg		10	0.69	
4-Methyl-2-pentanone	ND	-	ug/kg		10	0.24	
1,2,3-Trichloropropane	ND	-	ug/kg		10	0.18	
Bromochloromethane	ND	-	ug/kg		5.0	0.36	
2,2-Dichloropropane	ND	-	ug/kg		5.0	0.45	
1,2-Dibromoethane	ND	-	ug/kg		4.0	0.20	
1,3-Dichloropropane	ND	-	ug/kg		5.0	0.18	
1,1,1,2-Tetrachloroethane	ND	-	ug/kg		1.0	0.32	
Bromobenzene	ND	-	ug/kg		5.0	0.22	
n-Butylbenzene	ND	-	ug/kg		1.0	0.23	
sec-Butylbenzene	ND	-	ug/kg		1.0	0.22	
tert-Butylbenzene	ND	-	ug/kg		5.0	0.25	
o-Chlorotoluene	ND	-	ug/kg		5.0	0.22	
p-Chlorotoluene	ND	-	ug/kg		5.0	0.18	
1,2-Dibromo-3-chloropropane	ND	-	ug/kg		5.0	0.40	
Hexachlorobutadiene	ND	-	ug/kg		5.0	0.35	
Isopropylbenzene	ND	_	ug/kg	_	1.0	0.19	
p-Isopropyltoluene	ND		ug/kg		1.0	0.20	
Naphthalene	ND		ug/kg		5.0	0.14	
n-Propylbenzene	ND		ug/kg		1.0	0.22	
1,2,3-Trichlorobenzene	ND		ug/kg		5.0	0.25	



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Project Name: GYRODYNE-CATERING

Lab Number: Page G-227 L1808721

**Project Number:** GCA1705

**Report Date:** 03/21/18

Method Blank Analysis Batch Quality Control

Analytical Method: Analytical Date: 1,8260C 03/20/18 08:34

Analyst:

MV

No Tentatively Identified Compounds

1,2,4-Trichlorobenzene	ND	ug/kg	5.0	0.22
1,3,5-Trimethylbenzene	ND -	ug/kg	5.0	0.16
1,2,4-Trimethylbenzene	ND	ug/kg	5.0	0.19
Freon-113	ND	ug/kg	20	0.51
p-Diethylbenzene	ND	ug/kg	4.0	4.0
p-Ethyltoluene	ND	ug/kg	4.0	0.23
1,2,4,5-Tetramethylbenzene	ND	ug/kg	4.0	0.16

ug/kg

	Acceptance					
Surrogate	%Recovery Qu	ualifier Criteria				
1,2-Dichloroethane-d4	103	70-130				
Toluene-d8	98	70-130				
4-Bromofluorobenzene	104	70-130				
Dibromofluoromethane	99	70-130				

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Раде	3£ îo 9t					KHC11
0	ensitieoroli	<i>L</i> 6	83	20-121	7	30
٨	nyl chloride	401	401	051-78	0	30
3	əuəzuəqιλιμ	96	46	70-130	1	30
1	əuənı	96	96	70-130	1	30
8	əuəzua	96	46	70-130	5	30
ļ	ensrtteorolhasateT-S,S,t	76	96	70-130	1	30
8	тто тогото	92	88	70-130	3	30
ļ	eneqorqoroldoid-f	103	103	70-130	0	30
io	eneqorqoroldoid-E, t-a	96	26	70-130	2	30
11	- anegoropropene - fang	83	48	70-130	1	30
8	ensthamorolichiomo	<i>L</i> 6	66	70-130	5	30
ļ	ensitheoroldbirt-t,t	102	103	70-130	1	30
ļ	2-Dichloroethane	96	86	70-130	3	30
1	ansithamoroulioroldor	901	107	70-139	1	30
0	euezueqo.oju	<del>7</del> 6	76	70-130	0	30
1	etrachloroethene	46	86	70-130	1	30
ļ	ensitieorolitoirT-S, t	86	46	70-130	1	30
a	ansitemorolitoomord	76	93	70-130	1	30
ļ	2-Dichloropropane	66	66	70-130	0	30
0	ebinolriastian modis	104	107	70-130	3	30
0	mroforold	<del>7</del> 6	96	70-130	5	30
ļ	ensrlteoroldbid-f	66	100	70-130	1	30
Ν	ethylene chloride	76	83	70-130	ļ	30

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1098335-3 WG1098335-4

Limits	Gual	adu	Limits	Qual	%Несочегу	Qual	%Несолегу	Parameter
adu			%Весолегу		гсгр		<b>5</b> 27	

Project Number: GCA1705 Report Date: 03/21/18

Project Name: GYRODYNE-CATERING LARGE LARG

Lab Control Sample Analysis
Batch Quality Control

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Kirc <u>ila</u>					96 io 05 egs9
30	ı	70-130	96	<del>7</del> 6	Вготореплепе
30	2	70-130	96	86	ensrlieorolhssteT-S,f,f,f
30	ļ	061-69	86	<i>L</i> 6	9-Bichloroprane
30	3	70-130	<i>L</i> 6	<del>7</del> 6	1,2-Dibromoethane
30	0	70-130	701	107	S,S-Dichloroprane
30	2	70-130	86	96	Bromochloromethane
30	Į.	081-89	96	<del>7</del> 6	ansqorqoroldənT-£,2,1
30	2	70-130	16	68	4-Methyl-2-pentanone
30	ç	70-130	701	112	S-Butanone
30	L	0†l-†9	727	981	AnotecA
30	1	30-146	105	<b>⊅</b> 0↓	Dichlorodifluoromethane
30	Į.	70-130	68	88	Styrene
30	2	70-130	96	<b>7</b> 6	Dibromomethane
30	2	70-130	86	96	cis-1,2-Dichloroethene
30	0	70-130	06	06	o-yylene
30	ļ	70-130	16	06	p/m-Xylene
30	2	061-99	66	<i>L</i> 6	Methyl tert butyl ether
30	0	70-130	56	76	ənəznədoroldəi Ū-⊅, İ
30	Į.	70-130	76	86	
30	2	70-130	96	86	1,2-Dichlorobenzene
30	ļ	70-130	86	26	Trichloroethene
30	5	70-130	86	96	enertheoroldoid-S, t-anstt
30	0	92-132	104	<b>†</b> 01	enertheoroldoid-t,t

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1098335-3 WG1098335-4

Limits	Odu	Limits	Qual	<b>%Несо</b> легу	Gual	%Весолегу	Parameter
Ody		%Весолегу		TCSD		<b>S</b> 27	

03/51/18 Report Date: Project Number: GCA1705

11808721 GYRODYNE-CATERING Project Name: Lab Number:

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eneznedlydtemsiteT-Z,4,2,t	96	<b>26</b>	70-130	ļ	30
p-Ethyltoluene	86	66	70-130	ļ	30
p-Diethylbenzene	<i>1</i> 6	66	70-130	2	30
Freon-113	123	122	20-138	ļ	30
ənəznədlydrəmirT-4,2,1	<b>4</b> 6	86	70-130	Į.	30
ənəznədlydrəminT-č,£,†	96	96	70-130	1	30
eneznedoroldonT-4,2,1	<del>7</del> 6	96	70-130	5	30
eneznedoroldonT-6,2,1	<b>7</b> 6	96	70-130	l.	30
eneznedlyqo1 <sup>q</sup> -n	86	100	70-130	2	30
Naphihalene	76	<del>7</del> 6	70-130	2	30
p-lsopropyltoluene	86	66	70-130	1	30
lsopropylbenzene	86	100	70-130	2	30
Hexachlorobutadiene	96	<b>4</b> 6	081-78	1	30
ensqorqorold>-6-omordiG-2, t	98	88	081-89	3	30
p-chlorotold-q	96	86	70-130	3	30
- Chlorotoluene	83	28	70-130	l.	30
ent-Butylbenzene	86	100	70-130	2	30
sec-Britybenzene	66	101	70-130	2	30
u-Butylbenzene	66	001	70-130	ļ	30

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1098335-3 WG1098335-4

siimi L	Qual	adu	Limits	Gual	<b>%Несо</b> легу	Qual	%Несолегу	Parameter
GdA			%Несолегу		гсга		<b>5</b> 07	

03/51/18 Report Date: Project Number: GCA1705

GYRODYNE-CATERING Project Name: L1808721 Lab Mumber:

Batch Quality Control Lab Control Sample Analysis

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Acceptance Criteria	Gual	«Весолецу ГСЗD	Qual	жувсолецу ГСЗ	Surrogate
70-130		<i>L</i> 6		96	Ab-ansitheorolihoid_s, t
70-130		66		66	8b-eneulo T
70-130		103		105	4-Bromofluorobenzene
70-130		<i>L</i> 6		96	Dibromofluoromethane
001-07			10	16	20 21

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1098335-3 WG1098335-4

Limits	Gual	ada	Limits	Qual	%Весолегу	Qual	%Несолегу	Parameter
ada			%Весолегу		гсер		SOT	

Report Date: 03/51/18 Project Number: GCA1705

GYRODYNE-CATERING Project Name: L1808721 Lab Mumber:

Batch Quality Control Lab Control Sample Analysis

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KHEALD.					Page 23 of 36
30	7	191-09	102	86	Chloroethane
30	ļ	081-78	102	103	Vinyl chloride
30	2	70-130	<b>L</b> 6	66	Ethylbenzene
30	3	70-130	96	86	Toluene
30	3	70-130	66	102	Benzene
30	ļ	70-130	103	104	ensrtteoroldsstreT-S,S,t,t
30	Į.	70-130	63	<del>7</del> 6	птоготоп
30	ç	70-130	101	901	eneqorqoroldɔiʻG- İ, İ
30	1	70-130	103	401	eneqorqorolicid-E, f-aio
30	1	70-130	06	16	trans-t, t-snsrt
30	2	70-130	104	901	Bromodichloromethane
30	2	70-130	102	104	ensitheoroldoinT-1,1,1
30	2	70-130	103	105	1,2-Dichloroethane
30	3	70-139	103	901	Trichlorofluoromethane
30	3	70-130	96	86	Chlorobenzene
30	<b>7</b>	70-130	<del>7</del> 6	86	Tetrachloroethene
30	2	70-130	103	105	ensrtjeorolfoirT-S, t, t
30	0	70-130	86	86	Dibromochloromethane
30	3	70-130	102	108	1,2-Dichloroprane
30	3	70-130	102	108	- Carbon tetrachloride
30	2	70-130	66	tot	Chloroform
30	3	70-130	102	901	ansrhaorolhai G-1,1
30	2	70-130	<i>L</i> 6	66	Methylene chloride

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1098741-3 WG1098741-4

stimi.	ada	simi.	Qual	%Несоиегу	Qual	%Несоvегу	Parameter
Oda		%Весолегу		TC2D		<b>S</b> 27	

03/51/18 Report Date: Project Number: GCA1705

GYRODYNE-CATERING Project Name: L1808721 Lab Number:

Batch Quality Control Lab Control Sample Analysis

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KHÇ<u>IQ</u> Page 24 of 36 30 ļ 70-130 96 *L*6 Bromobenzene 30 5 70-130 86 100 1,1,1,2-Tetrachloroethane 30 7 061-69 103 102 1,3-Dichloropropane 7 1,2-Dibromoethane 30 70-130 100 105 5 2,2-Dichloropropane 30 70-130 801 110 ε 70-130 102 Bromochloromethane 30 105 1,2,3-Trichloropropane 30 ļ 081-89 103 105 30 7 70-130 100 105 4-Methyl-2-pentanone 30 70-130 118 611 2-Butanone Ø 125 ٥١ 137 Acetone 30 24-140 30-146 901 Dichlorodifluoromethane 30 L 66 ħ 70-130 68 Styrene 30 63 Dibromomethane 30 7 70-130 105 101 30 7 70-130 100 105 cis-1,2-Dichloroethene 3 o-Xylene 30 70-130 06 66 3 b/m-Xylene 30 70-130 06 63 Methyl tert butyl ether 7 30 061-88 901 801 30 5 70-130 65 1,4-Dichlorobenzene **7**6 3 30 70-130 **7**6 **Z6** 1,3-Dichlorobenzene 1,2-Dichlorobenzene ļ 70-130 96 96 30 Trichloroethene 30 ħ 70-130 **Z**6 101 trans-1,2-Dichloroethene 30 ħ 70-130 86 105 30 921-99 105 101 1,1-Dichloroethene 7

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1098741-3 WG1098741-4

stimi.	adu	Limits	Qual	%Несоиегу	Qual	%Несоvегу	Parameter
Oda		%Весолегу		TC2D		<b>S</b> 27	

Project Number: GCA1705 Report Date: 03/21/18

Project Name: GYRODYNE-CATERING LABORY: L1808721

Lab Control Sample Analysis

Batch Quality Control

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ənəznədlyritəmsitəT-Z,4,2,1	66	96	70-130	3	30
p-Ethyltoluene	100	<i>1</i> 6	70-130	3	30
b-Diethylbenzene	66	96	70-130	3	30
Freon-113	153	ZII	20-136	9	30
ənəznədiyitəmirT-4,2,1	100	86	70-130	2	30
ənəznədlydrəminT-č,£,t	<i>L</i> 6	96	70-130	2	30
eneznedoroldbirT-4,2,1	86	86	70-130	9	30
eneznedotolrbinT-8,2,1	86	76	70-130	9	30
eneznedlyqo19-n	100	<i>1</i> 6	70-130	3	30
Maphihalene —	100	96	70-130	7	30
p-lsopropyfioluene	100	<b>4</b> 6	70-130	8	30
lsopropylbenzene	100	<i>L</i> 6	70-130	3	30
- Hexachlorobitadiene	<b>7</b> 6	06	081-78	7	30
ensqorqorold>-8-omordiQ-2, t	66	96	081-89	7	30
eneulotorold/O-q	66	96	70-130	3	30
eneulotorold-o	98	100	70-130	12	30
ens-Butylbenzene	66	96	70-130	3	30
sec-Buiylbenzene	100	<b>4</b> 6	70-130	3	30
ənəznədlytuß-n	100	46	70-130	3	30

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1098741-3 WG1098741-4

Limits	Gual	Odu	Limits	Qual	<b>%Несо</b> легу	Gual	%Несочегу	Parameter
Ody			%Несолегу		гсга		<b>5</b> 07	

Report Date: 03/51/18 Project Number: GCA1705

GYRODYNE-CATERING Project Name: L1808721 Lab Mumber:

Batch Quality Control Lab Control Sample Analysis

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ejregorius	% <sub>Н</sub> есолец РСЗ	Qual	%цесолецу ГСЗD	leup	Acceptance Criteria	
4b-ensitheorothoid-S, h	001		001		70-130	
Toluene-d8	66		86		70-130	
4-Bromofluorobenzene	102		103		70-130	
Dibromofluoromethane	86		86		70-130	

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 02 Batch: WG1098741-3 WG1098741-4

Limits	Qual	ada	stimi.L	Qual	%Весолегу	Qual	%Несолегу	Parameter
Odu			<b>%Весо</b> иегу		rced		SO7	

Project Number: GCA1705 Report Date: 03/21/18

Project Name: GYRODYNE-CATERING LARGE Manner: L1808721

Lab Control Sample Analysis
Batch Quality Control

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# INORGANICS & MISCELLANEOUS



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Page G-237 L1808721 **Project Name:** Lab Number: **GYRODYNE-CATERING** Project Number: GCA1705 Report Date: 03/21/18

**SAMPLE RESULTS** 

Lab ID: Date Collected: 03/14/18 14:45 L1808721-01 Client ID: EP-CP010 Date Received: 03/14/18 Not Specified Sample Location: 1 FLOWERFIELD, ST. JAMES, NY Field Prep:

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry -	Westborough Lab									
Solids, Total	88.8		%	0.100	NA	1	-	03/15/18 14:33	121,2540G	RI



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Page G-238 L1808721 **Project Name:** Lab Number: **GYRODYNE-CATERING** 

Project Number: GCA1705 Report Date: 03/21/18

**SAMPLE RESULTS** 

Lab ID: Date Collected: 03/14/18 15:00 L1808721-02 Client ID: EP-CP011 Date Received: 03/14/18 Not Specified Sample Location: 1 FLOWERFIELD, ST. JAMES, NY Field Prep:

Sample Depth:

Soil Matrix:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry	y - Westborough Lab	1								
Solids, Total	84.9		%	0.100	NA	1	-	03/15/18 14:33	121,2540G	RI



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Parameter HPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1097401-1 QC Sample: L1808701-08 Client ID: DUP Sample
Solids, Total Solids, Total

Project Number: GYRODYNE-CATERING Batch Quality Control

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\*Values in parentheses indicate holding time in days

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	uəzo.ı <u>⊣</u>			qm∍T	lani <b>∃</b>	laitial		uoneuu	Container Into
(*)eieylenA	9miT∖ətsQ	Seal	Pres	ე бәр	Нq	Нq	Cooler	Container Type	Container ID
TS(7), NYTCL-8260(14)		Absent	λ	7.2		∀N	A	Vial Large Septa unpreserved (4oz)	L1808721-01A
NATCL-8260(14)		Apsent	λ	7.2		ΑN	A	Vial MeOH preserved split	L1808721-01X
NALCF-8560(14)	12:21 81-AAM-71	Absent	λ	7.2		ΑN	A	Vial Water preserved split	Y10-12780812
NALCF-8560(14)	18:81-AAM-71	Absent	λ	7.2		∀N	A	Vial Water preserved split	Z10-1278081J
TS(7),NYTCL-8260(14)		Absent	λ	7.2		∀N	A	Vial Large Septa unpreserved (40z)	L1808721-02A
NYTCL-8260(14)		Absent	λ	7.2		∀N	A	iald bevreserq HOeM IsiV	L1808721-02X
NATCL-8260(14)	12:21 81-AAM-71	tnəsdA	λ	7.2		∀N	A	Vial Water preserved split	L1808721-02Y
NATCL-8260(14)	12:81 81-AAM-71	Absent	λ	7.2		ΑN	A	Vial Water preserved split	L1808721-02Z

Sample Receipt and Container Information

**KES** 

Report Date: 03/21/18 **rsp Number:** L1808721

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GYRODYNE-CATERING

Absent

Custody Seal

A Cooler

Cooler Information

Project Name:

Project Number: GCA1705

Were project specific reporting limits specified?

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L1808721 Page G-241 **Project Name: GYRODYNE-CATERING** Lab Number:

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#### **GLOSSARY**

Acronyms

MS

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EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis

of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated

values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for

which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's

reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL

includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the

values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the

associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound

list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

#### Footnotes

- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the

original method.

#### Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Waterpreserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'. Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

A Spectra identified as "Aldol Condensation Product".

R - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

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L1808721 Page G-242 **Project Name: GYRODYNE-CATERING** Lab Number:

**Project Number:** GCA1705 **Report Date:** 03/21/18

#### Data Qualifiers

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projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C · Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should G be considered estimated.
- н - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I - The lower value for the two columns has been reported due to obvious interference.
- M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ  $- Presumptive \ evidence \ of \ compound. \ This \ represents \ an \ estimated \ concentration \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ the \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified$ the identification is based on a mass spectral library search.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- Analytical results are from sample re-analysis.
- RE - Analytical results are from sample re-extraction.
- S - Analytical results are from modified screening analysis.
- J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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Project Number: GCA1705 Report Date: 03/21/18

#### **REFERENCES**

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

# **LIMITATION OF LIABILITIES**

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



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# **Certification Information**

#### The following analytes are not included in our Primary NELAP Scope of Accreditation:

#### Westborough Facility

EPA 624: m/p-xylene, o-xylene

Alpha Analytical, Inc.

Facility: Company-wide

Department: Quality Assurance

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: lodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-

Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.

EPA 300: DW: Bromide EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

Title: Certificate/Approval Program Summary

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

#### **Mansfield Facility**

**SM 2540D**: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

#### The following analytes are included in our Massachusetts DEP Scope of Accreditation

#### Westborough Facility:

#### **Drinking Water**

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B

EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

#### Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, EPA 351.1, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D. EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan II, Endosulfan Sulfate, Endrin, Endrin Aldehyde, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.

### Mansfield Facility:

# **Drinking Water**

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522.

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

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	CUSTODY	Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	oper Ave, Suite 1	OS .	9			3/15/18	C 1808721
Westberough, MA 01581 8 Walkup Dr.	Mansfield, MA 02948 320 Forbes Blvd	Project Information					Deliverables		Billing Information
TEL: 508-898-9220 FAX: 508-898-9193	TEL: 508-822-9300 FAX: 508-822-3288	JE .	escolure.	Cetering	3		ASP-A	ASP-B	Same as Client Info
Client Information	¥1	Project # / / A / 1/6	CV CV	ld, 50.	James	XX	Other Rec	EQuis (4 File)	PQ#
Client PWSC	, ,	oct name as	oject#)				cquirer	nent	Disposal Site Information
Address: 630 Johns	100	Project Manager: Tom	m Melica	ò			NY TOOS	NY Pad 375	Please identify below location of
Bokemia, A	17 11716	ALPHAQuote#					AWQ Standards	NY CP-51	applicable disposal facilities
Phone: (631) 589.	6353	Turn-Around Time					NY Restricted Use	Other	Disposal Facility:
Fax:		Standard X	Ż	Due Date:			NY Unrestricted U	Use	<u></u> ₹
Email: +homos into pworeser	Dwgrosser. com	Rush (only if pre approved)		# of Days:			NYC Sever Discharge	rga	Other
These samples have been previously analyzed by Alpha	en previously analyzed	by Alpha					ANALYSIS		Sample Filtration
Other project specific requirements/comments:	requirements/comme	ints:					4		
Please specify Metals or TAI	or TAL						VCC.		Lab to do Preservation Lab to do
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10-1278	21047-43		3/14/18	1445	W	À	X (		Constitution of the section of the s
20	EP-CPOII			1500	6	7	X)		
Preservative Code: Q A = Nons A = Nons A = Nons A = Nons A = Nons A = Nons D = H <sub>2</sub> SO <sub>2</sub> D = H <sub>2</sub> SO <sub>3</sub> D = H <sub>2</sub> SO <sub>3</sub> D = H <sub>3</sub> SO <sub></sub>	Container Code  P = Plasto A = Amber Glass V = Vial G = Glass B = Bacteria Cup	Westboro: Certification No: MA935 Mensfield: Certification No: MA015	o: MA935 o: MA015		Conta	Container Type	44		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not
F = MeOH  G = NetSO,  H = Ne <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	C = Cube O = Other E = Encore	Religadished By	, X	Date/Time	1700	N R	Received By:	Date/Time	resolved. BY EXECUTING THIS COC, THE CLIENT
O = Other		automas	rette	1/2/1/2 2/1/2	001	02	Tay even		TERMS & CONDITIONS.
Farm No. 81-25 HC (rev. 30-Sept-2813) Page 36 of 36	Sept-2013)	00		,			0		(See reverse side.)
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NYSCEF DOC. NO. 51

# ANALYTICAL REPORT

Lab Number: L1808873

P. W. Grosser Client:

630 Johnson Avenue

Suite 7

Bohemia, NY 11716

ATTN: Thomas Melia Phone: (631) 589-6353

**GYRODYNE-CATERING** Project Name:

Project Number: GCA1705 Report Date: 03/21/18

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019 508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



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11808873-01	Eb-CP003	TIOS	ST. JAMES, NY	03/12/18 15:42	81/21/80
Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date

03/51/18 Report Date: L1808873 гэр үлшрөк:

bage G-247

Serial\_No:03211818:42

Project Number: GCA1705

GYRODYNE-CATERING Project Name:

COUNTY CLERK 06/14/2022 SUFFOLK

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L1808873

**Project Name: GYRODYNE-CATERING** Lab Number:

**Project Number:** Report Date: GCA1705 03/21/18

#### **Case Narrative**

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

# HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.



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Project Name: GYRODYNE-CATERING Lab Number: L1808873

Project Number: GCA1705 Report Date: 03/21/18

**Case Narrative (continued)** 

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Michelle M. Morris

Title: Technical Director/Representative Date: 03/21/18



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# **ORGANICS**



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# **VOLATILES**



**GYRODYNE-CATERING** 

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Lab Number:

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Report Date:

Date Collected:

Date Received:

Field Prep:

03/15/18 12:45

Not Specified

03/15/18

**SAMPLE RESULTS** 

Lab ID: L1808873-01

Client ID: EP-CP003 Sample Location: ST. JAMES, NY

Sample Depth:

**Project Name:** 

**Project Number:** 

Matrix: Soil 1,8260C Analytical Method:

Analytical Date: 03/21/18 10:48

Analyst: JC 80% Percent Solids:

arameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
olatile Organics by G	C/MS - Westborough Lab					
ethylene chloride	ND		ug/kg	10	1.7	1
1-Dichloroethane	ND		ug/kg	1.6	0.28	1
hloroform	ND		ug/kg	1.6	0.39	1
arbon tetrachloride	ND		ug/kg	1.0	0.36	1
2-Dichloropropane	ND		ug/kg	3.7	0.24	1
ibromochloromethane	ND		ug/kg	1.0	0.18	1
1,2-Trichloroethane	ND		ug/kg	1.6	0.33	1
etrachloroethene	ND		ug/kg	1.0	0.32	1
hlorobenzene	ND		ug/kg	1.0	0.37	1
richlorofluoromethane	ND		ug/kg	5.3	0.44	1
2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1-Trichloroethane	ND		ug/kg	1.0	0.37	1
romodichloromethane	ND		ug/kg	1.0	0.32	1
ans-1,3-Dichloropropene	ND		ug/kg	1.0	0.22	1
s-1,3-Dichloropropene	ND		ug/kg	1.0	0.24	1
1-Dichloropropene	ND		ug/kg	5.3	0.35	1
romoform	ND		ug/kg	4.2	0.25	1
1,2,2-Tetrachloroethane	ND		ug/kg	1.0	0.31	1
enzene	ND		ug/kg	1.0	0.20	1
oluene	0.24	J	ug/kg	1.6	0.20	1
thylbenzene	ND		ug/kg	1.0	0.18	1
inyl chloride	ND		ug/kg	2.1	0.33	1
hloroethane	ND		ug/kg	2.1	0.33	1
1-Dichloroethene	ND		ug/kg	1.0	0.39	1
ans-1,2-Dichloroethene	ND		ug/kg	1.6	0.25	1
richloroethene	ND		ug/kg	1.0	0.32	1
2-Dichlorobenzene	ND		ug/kg	5.3	0.19	1
3-Dichlorobenzene	ND		ug/kg	5.3	0.23	1

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**Project Name: GYRODYNE-CATERING** Lab Number:

**Project Number:** GCA1705

L1808873 Page G-253 Report Date:

**SAMPLE RESULTS** 

Lab ID: L1808873-01 Client ID: EP-CP003 Sample Location: ST. JAMES, NY Date Collected: 03/15/18 12:45 Date Received: 03/15/18 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westb	orough Lab					
1,4-Dichlorobenzene	0.21	J	ug/kg	5.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.16	1
p/m-Xylene	ND		ug/kg	2.1	0.37	1
o-Xylene	ND		ug/kg	2.1	0.36	1
Xylenes, Total	ND		ug/kg	2.1	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.36	1
Dibromomethane	ND		ug/kg	10	0.25	1
Styrene	ND		ug/kg	2.1	0.42	1
Dichlorodifluoromethane	ND		ug/kg	10	0.53	1
Acetone	5.5	J	ug/kg	10	2.4	1
2-Butanone	ND		ug/kg	10	0.73	1
4-Methyl-2-pentanone	ND		ug/kg	10	0.26	1
1,2,3-Trichloropropane	ND		ug/kg	10	0.19	1
Bromochloromethane	ND		ug/kg	5.3	0.38	1
2,2-Dichloropropane	ND		ug/kg	5.3	0.47	1
1,2-Dibromoethane	ND		ug/kg	4.2	0.21	1
1,3-Dichloropropane	ND		ug/kg	5.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	1.0	0.34	1
Bromobenzene	ND		ug/kg	5.3	0.23	1
n-Butylbenzene	ND		ug/kg	1.0	0.24	1
sec-Butylbenzene	ND		ug/kg	1.0	0.23	1
tert-Butylbenzene	ND		ug/kg	5.3	0.26	1
o-Chlorotoluene	ND		ug/kg	5.3	0.23	1
p-Chlorotoluene	ND		ug/kg	5.3	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.3	0.42	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.37	1
Isopropylbenzene	ND		ug/kg	1.0	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.21	1
Naphthalene	ND		ug/kg	5.3	0.14	1
n-Propylbenzene	ND		ug/kg	1.0	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	5.3	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	5.3	0.23	1
1,3,5-Trimethylbenzene	0.43	J	ug/kg	5.3	0.17	1
1,2,4-Trimethylbenzene	0.86	J	ug/kg	5.3	0.20	1
p-Diethylbenzene	ND		ug/kg	4.2	4.2	1
p-Ethyltoluene	0.45	J	ug/kg	4.2	0.25	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	4.2	0.16	1



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**Project Name: GYRODYNE-CATERING** Lab Number:

L1808873 Page G-254 **Project Number:** Report Date: GCA1705

**SAMPLE RESULTS** 

Lab ID: L1808873-01 Date Collected: 03/15/18 12:45 Client ID: EP-CP003 Date Received: 03/15/18 Sample Location: ST. JAMES, NY Field Prep: Not Specified

Sample Depth:

MDL Parameter Result Qualifier Units RL **Dilution Factor** 

Volatile Organics by GC/MS - Westborough Lab

Surrogate	% Recovery	Acceptance Qualifier Criteria	
1,2-Dichloroethane-d4	100	70-130	
Toluene-d8	98	70-130	
4-Bromofluorobenzene	105	70-130	
Dibromofluoromethane	98	70-130	



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Page G-255 L1808873 Project Name: **GYRODYNE-CATERING** Lab Number: **Project Number:** Report Date: GCA1705 03/21/18

> **Method Blank Analysis Batch Quality Control**

Analytical Method: 1,8260C Analytical Date: 03/21/18 09:25

Analyst: ΜV

arameter	Result	Qualifier	Units		RL	MDL
olatile Organics by 8260/503	5 - Westborough	Lab for sa	mple(s):	01	Batch:	WG1099178-5
Methylene chloride	ND		ug/kg		10	1.6
1,1-Dichloroethane	ND	•	ug/kg		1.5	0.27
Chloroform	ND		ug/kg		1.5	0.37
Carbon tetrachloride	ND		ug/kg		1.0	0.34
1,2-Dichloropropane	ND		ug/kg		3.5	0.23
Dibromochloromethane	ND		ug/kg		1.0	0.18
1,1,2-Trichloroethane	ND		ug/kg		1.5	0.31
Tetrachloroethene	ND		ug/kg		1.0	0.30
Chlorobenzene	ND		ug/kg		1.0	0.35
Trichlorofluoromethane	ND ND		ug/kg		5.0	0.42
1,2-Dichloroethane	ND		ug/kg	_	1.0	0.25
1,1,1-Trichloroethane	ND		ug/kg		1.0	0.35
Bromodichloromethane	ND		ug/kg	_	1.0	0.31
trans-1,3-Dichloropropene	ND		ug/kg	_	1.0	0.21
cis-1,3-Dichloropropene	ND		ug/kg		1.0	0.23
1,1-Dichloropropene	ND		ug/kg		5.0	0.33
Bromoform	ND		ug/kg		4.0	0.24
1,1,2,2-Tetrachloroethane	ND		ug/kg	_	1.0	0.30
Benzene	ND		ug/kg		1.0	0.19
Toluene	ND		ug/kg		1.5	0.20
Ethylbenzene	ND		ug/kg		1.0	0.17
Vinyl chloride	ND		ug/kg	_	2.0	0.32
Chloroethane	ND		ug/kg	_	2.0	0.32
1,1-Dichloroethene	ND		ug/kg		1.0	0.37
trans-1,2-Dichloroethene	ND		ug/kg		1.5	0.24
Trichloroethene	ND		ug/kg		1.0	0.30
1,2-Dichlorobenzene	ND		ug/kg		5.0	0.18
1,3-Dichlorobenzene	ND		ug/kg		5.0	0.22
1,4-Dichlorobenzene	ND		ug/kg		5.0	0.18



**GYRODYNE-CATERING** 

GCA1705

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**Report Date:** 03/21/18

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C Analytical Date: 03/21/18 09:25

Analyst: MV

Project Name:

**Project Number:** 

Parameter	Result	Qualifier	Units		RL	MDL
Volatile Organics by 8260/5035	- Westborough	Lab for sa	mple(s):	01	Batch:	WG1099178-5
Methyl tert butyl ether	ND		ug/kg		2.0	0.15
p/m-Xylene	ND	÷	ug/kg		2.0	0.35
o-Xylene	ND _		ug/kg		2.0	0.34
Xylenes, Total	ND	-	ug/kg	-	2.0	0.34
cis-1,2-Dichloroethene	ND		ug/kg		1.0	0.34
Dibromomethane	ND		ug/kg		10	0.24
Styrene	ND		ug/kg		2.0	0.40
Dichlorodifluoromethane	ND		ug/kg		10	0.50
Acetone	4.0	J	ug/kg		10	2.3
2-Butanone	ND		ug/kg		10	0.69
4-Methyl-2-pentanone	ND		ug/kg		10	0.24
1,2,3-Trichloropropane	ND		ug/kg		10	0.18
Bromochloromethane	ND		ug/kg		5.0	0.36
2,2-Dichloropropane	ND		ug/kg		5.0	0.45
1,2-Dibromoethane	ND		ug/kg		4.0	0.20
1,3-Dichloropropane	ND		ug/kg		5.0	0.18
1,1,1,2-Tetrachloroethane	ND		ug/kg		1.0	0.32
Bromobenzene	ND		ug/kg		5.0	0.22
n-Butylbenzene	ND		ug/kg		1.0	0.23
sec-Butylbenzene	ND		ug/kg		1.0	0.22
tert-Butylbenzene	ND		ug/kg		5.0	0.25
o-Chlorotoluene	ND		ug/kg		5.0	0.22
p-Chlorotoluene	ND		ug/kg		5.0	0.18
1,2-Dibromo-3-chloropropane	ND		ug/kg		5.0	0.40
Hexachlorobutadiene	ND		ug/kg		5.0	0.35
Isopropylbenzene	ND		ug/kg		1.0	0.19
p-Isopropyltoluene	ND		ug/kg		1.0	0.20
Naphthalene	ND		ug/kg		5.0	0.14
n-Propylbenzene	ND		ug/kg		1.0	0.22



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**GYRODYNE-CATERING** 

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Serial\_No:03211818:42

Lab Number:

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**Project Number:** GCA1705 Report Date:

Method Blank Analysis Batch Quality Control

Analytical Method:

Project Name:

1,8260C

Analytical Date:

03/21/18 09:25

Analyst:

ΜV

Parameter	Result	Qualifier U	nits		RL	MDL
olatile Organics by 8260/503	5 - Westborough	Lab for samp	le(s):	01	Batch:	WG1099178-5
1,2,3-Trichlorobenzene	ND	L	ıg/kg		5.0	0.25
1,2,4-Trichlorobenzene	ND		ıg/kg		5.0	0.22
1,3,5-Trimethylbenzene	ND _		ıg/kg		5.0	0.16
1,2,4-Trimethylbenzene	ND _	. —	ıg/kg		5.0	0.19
Freon-113	ND	ι	ıg/kg		20	0.51
p-Diethylbenzene	ND	ι	ıg/kg		4.0	4.0
p-Ethyltoluene	ND	ι	ıg/kg		4.0	0.23
1,2,4,5-Tetramethylbenzene	ND	· -	ıg/kg		4.0	0.16

	Acceptance						
Surrogate	%Recovery	Qualifier Criteria					
1,2-Dichloroethane-d4	104	70-130					
Toluene-d8	98	70-130					
4-Bromofluorobenzene	105	70-130					
Dibromofluoromethane	99	70-130					



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AIR.					Page 13 of 31
30	3	20-121	101	<b>⊅</b> 01	Chloroethane
30	7	081-78	108	112	Vinyl chloride
30	g	70-130	96	100	ensensene
30	3	70-130	96	86	oluene
30	3	70-130	66	105	Benzene
30	ļ	70-130	66	100	ensrtteorolfassteT-S,S,f,f
30	ļ	70-130	68	06	mrołomora
30	<b>†</b>	70-130	401	108	anagorgorolhoiG-f,f
30	3	70-130	103	901	enegoroprophici-e, f-eio
30	<b>†</b>	70-130	68	86	
30	<b>†</b>	70-130	101	901	Bromodichloromethane
30	9	70-130	102	108	1,1,1-Trichloroethane
30	8	70-130	102	108	ansrtaeoroldoiG-S, t
30	g	70-139	101	106	Trichlorofluoromethane
30	<b>†</b>	70-130	86	<i>L</i> 6	Chlorobenzene
30	8	70-130	76	96	Tetrachloroethene
30	1	70-130	102	103	- Trichloroethane
30	3	70-130	96	86	- Distribunosolicomordio
30	3	70-130	701	011	– Dichloroprane
30	7	70-130	108	112	Sarbon tetrachloride
30	3	70-130	66	105	Chloroform
30	7	70-130	104	108	ansrtjeorolfci(-f.†
30	3	70-130	26	100	Methylene chloride

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1099178-3 WG1099178-4

5	simi1	Qual	Odu	Limits	Gual	%Весолегу	Gual	%Несолегу	Parameter
	<b>Od</b> U			%Весолегу		тсев		<b>SOT</b>	

Project Number: GCA1705 Report Date: 03/21/18

Project Name: GYRODYNE-CATERING Landing Control Lab Number: L1808873

Lab Control Sample Analysis
Batch Quality Control

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Air.					16 o 41 əgsq
30	3	70-130	16	<b>7</b> 6	Втоторелгеле
30	7	70-130	96	100	ansitrachloroethane
30	l.	081-69	102	103	9nsqorqorolhoiQ-E,t
30	ļ	70-130	86	66	ansitraomordiG-S, t
30	g	70-130	112	811	9nsqorqorolhoiQ-2,2
30	2	70-130	100	102	Bromochloromethane
30	7	081-89	86	102	ensqorqoroldɔinT-£,2,1
30	ļ	70-130	66	86	-Methyl-2-pentanone
30	5	70-130	113	111	S-Butanone
30	9	041-43	181	124	enotecA
30	L	30-146	100	107	Dichlorodifluoromethane
30	8	70-130	88	16	Styrene
30	ļ	70-130	101	102	Dibromordiane
30	7	70-130	86	102	enertheorold: C. L'eio
30	3	70-130	68	76	o-Xylene
30	7	70-130	68	86	əuə <sub>l</sub> A <u>y</u> -uı/d
30	0	061-99	102	105	Methyl tert butyl ether
30	3	70-130	06	86	ənəznədorolrisid-4,t
30	9	70-130	06	96	1,3-Dichlorobenzene
30	3	70-130	56	96	9nəznədorolhoid-S,t
30	7	70-130	86	102	enertJeorold⊃ir⊤
30	7	70-130	66	103	trans1t-2-Dichloroethene
30	10	92-132	96	901	anarthaorolficid-f,t

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1099178-3 WG1099178-4

Limits	Gual	adu	timits	Gual	%Несочегу	Qual	%Несолегу	Parameter
adu			%Несолегу		тсер		S)7	

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Project Name: GYRODYNE-CATERING Landing Control Lab Number: L1808873

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eneznedlydtemsteT-7.4,2,1	<i>L</i> 6	86	70-130	<b>†</b>		30
p-Ethyltoluene	100	96	70-130	9		30
p-Diethylbenzene	86	86	70-130	9		30
£tr-noen∃	721	88	621-09	36	Ø	30
ənəznədlydtəminT-4,S,t	66	96	70-130	7		30
ənəznədlydtəminT- <b>2</b> ,£,t	<i>L</i> 6	36	70-130	9		30
ənəznədoroldoirT-⊅,≤,†	86	06	70-130	3		30
ənəznədoroldoinT-£,∆,↑	86	16	70-130	5		30
n-Propylbenzene	101	96	70-130	9		30
Maphthalene —	96	<del>7</del> 6	70-130	5		30
p-lsopropyltoluene	66	<del>7</del> 6	70-130	g		30
sobropylbenzene	100	96	70-130	g		30
Hexachlorobutadiene	88	88	061-73	9		30
-comordid-2, t	85	36	081-89	0		30
eneulototold-q	66	<del>7</del> 6	70-130	g		30
eneulotorold-o	98	82	70-130	g		30
eneznedlytua-het	66	96	70-130	7		30
euezuegı/ing-ses	101	96	70-130	ç		30
eneznedlytuð-n	101	96	70-130	g		30

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1099178-3 WG1099178-4

Limits	Gual	adu	timits	Gual	%Весолегу	Qual	%Цесолецу	Parameter
adu			%Несолегу		гсер		S07	

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70-130	101	66	4b-Dichloroethane-d4
70-130	86	100	8b-eneuloT
70-130	104	401	4-Bromofluorobenzene
70-130	96	96	Dibromofluoromethane
	70-130 20-130	104 PG-130	061-07 401 401 401

Volatile Organics by 8260/5035 - Westborough Lab Associated sample(s): 01 Batch: WG1099178-3 WG1099178-4

Limits	Gual	adu	Limits	Qual	%Цесолецу	Gual	%Несолегу	Parameter
ada			<b>%Весо</b> легу		гсгр		<b>SO7</b>	

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# **METALS**



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Project Name: GYRODYNE-CATERING Lab Number: L1808873

Project Number: GCA1705 Report Date: 03/21/18

SAMPLE RESULTS

 Lab ID:
 L1808873-01
 Date Collected:
 03/15/18 12:45

 Client ID:
 EP-CP003
 Date Received:
 03/15/18

 Sample Location:
 ST. JAMES, NY
 Field Prep:
 Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Percent Solids:	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Man	sfield Lab										
Arsenic, Total	0.605		mg/kg	0.492	0.102	1,	03/ <u>16/1</u> 8 21: <u>2</u> 5	5 0 <u>3/19</u> /1 <u>8</u> 17:11	EPA_3050B	1,6010C_	AB
Barium, Total	_8.66		mg/kg	0.492	0.086	1	03/16/18 21:25	03/19/18 17:11	EPA 3050B	1,6010C	_ AB
Beryllium, Total	0.177	J	mg/kg	0.246	0.016	. 1_	03/16/18 21:25	5 <u>03/19/18</u> 17:11	EPA 3050B	_1,6010C	_ AB
Cadmium, Total	0.103	J	mg/kg	0.492	0.048	1	03/16/18 21:25	5 03/1 <u>9/1</u> 8 <u>17:11</u>	EPA 3050B	_1,6010C	AB
Chromium, Total	8.13		mg/kg	0.492	0.047	1	03/16/18 21:25	5 03/19/18 17:11	EPA 3050B	1,6010C	AB
Copper, Total	9.39		mg/kg	0.492	0.127	1	03/16/18 21:25	5 03/19/18 17:11	EPA 3050B	1,6010C	AB
Lead <u>, T</u> otal	3.64		mg/kg	2.46	0.132	1	03/16/18 21:25	5 03/19/18 17:11	EPA 3050B	1,6010C	AB
Mercury, Total	ND		mg/kg	0.08	0.02	1	03/17/18 09:00	03/17/18 16:30	EPA 7471B	1,7471B	MG
Nickel, Total	6.12		mg/kg	1.23	0.119	1	03/16/18 21:25	03/19/18 17:11	EPA 3050B	_1,6010C	AB
Silver, Total	ND		mg/kg	0.492	0.139	1	03/16/18 21:25	03/19/18 17:11	EPA 3050B	1,6010C	AB



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# Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mans	field Lab for sample(s):	01 Batch	h: WG10	97881-	1				
Arsenic, Total	ND	mg/kg	0.400	0.083	1	03/16/18 21:25	03/17/18 09:20	1,6010C	LC
Barium, Total	ND	mg/kg	0.400	0.070	1	03/16/18 21:25	03/17/18 09:20	1,6010C	LC
Beryllium, Total	ND	mg/kg	0.200	0.013	1	03/16/18 21:25	03/17/18 09:20	1,6010C	LC
Cadmium, Total		mg/kg	0.400	0.039	1	03/16/18 21:25	03/17/18 09:20	1,6010C	LC
Chromium, Total	ND	mg/kg	0.400	0.038	1	03/16/18 21:25	03/17/18 09:20	1,6010C	LC
Copper, Total	ND	mg/kg	0.400	0.103	1	03/16/18 21:25	03/17/18 09:20	1,6010C	LC
Lead, Total	ND	mg/kg	2.00	0.107	1	03/16/18 21:25	03/17/18 09:20	1,6010C	LC
Nickel, Total	ND	mg/kg	1.00	0.097	1	03/16/18 21:25	03/17/18 09:20	1,6010C	LC
Silver, Total	ND	mg/kg	0.400	0.113	1	03/16/18 21:25	03/17/18 09:20	1,6010C	LC

**Prep Information** 

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	
Total Metals - Mansfield	Lab for sample(s):	01 Batch:	: WG10	097991-	1				
Mercury, Total	ND	mg/kg	0.08	0.02		03/17/18 09:00	03/17/18 16:04	1,7471B	MG

**Prep Information** 

Digestion Method: EPA 7471B



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-	671-09	•	152		Mercury, Total
	i: D088-240	SRM Lot Numbe	Batch: WG1097991-2	Fo :(s)=lqmss bətsioossA	Total Metals - Mansfield Lab
-	80-120		100		Silver, Total
•	711-28	-	35		Nickel, Total
•	711-28	-	16		Lead, Total
•	911-48	-	86		Copper, Total
-	83-119	-	26		Chromium, Total
•	711-28	-	86		Cadmium, Total
-	711-68	-	76		Beryllium, Total
-	811-28	-	76		Barium, Total
-	2117	-	101		Arsenic, Total

Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1097881-2 SRM Lot Number: D098-540

RPD Limits	Qual	QqA	Limits	Gual	%Весолегу	Qual	%Весочегу	Parameter
			%Весолегу		CCD		FCS	

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Project Name: GYRODYNE-CATERING L1808873 гар Иитрек:

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**GYRODYNE-CATERING** 

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50		-	80-120	-	-	Ø	133	72.0	0.135	60.0	Mercury, Total
		əldmı	Client ID: MS Sa	10-66680817	QC Sample:	6-	ID: WG1097991	QC Batch	f0 :(s)əldı	mas betaioosa	A daJ bleitanaM - alateM latoT
50			75-125	•	-		28	55.9	1.82	αN	Silver, Total
50		-	75-125	-		D	99	4.04	8.94	96'6	Nickel, Total
50		-	75-125	-	-	Ö	191	508	7.74	133.	Lead, Total
50		-	72-125	-	-	D	128	7.88	23.4	56.6	Copper, Total
50		-	97 <b>1-</b> 97	-	-		97	2.72	7.81	13.4	Chromium, Total
50		-	75-125	-			LL	89.8	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	0.294J	Sadminm, Total
50		-	75-125	-		Ö	<i>L</i> 9	3.66	89.4	909'0	Beryllium, Total
50		-	72-125	-			911	343	781	128.	Barium, Total
50			72-122				<del>7</del> 8	13.8	2,11	78.4	Arsenic, Total
		əldmi	Client ID: MS Sa	1908901-01	QC Sample:	6-	ID: WG1097881	QC Batch	ro :(s)əldı	mas bətaioosa	A ds.J bleitansM - alateM latoT
RPD Limits	Qual	GPD	Recovery Qual Limits	WSD WSD	MSD Found	Gua	%Весолегу МS	Found	SM babbA	evitsM Sample	Рагатетег

Matrix Spike Analysis Batch Quality Control

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Project Name:



50	2	Бҗ/бш	60.0	60.0	Mercury, Total
	Client ID: DUP Sample	10-66680817	QC Sample:	OC Batch ID: WG1097991-4	Total Metals - Mansfield Lab Associated sample(s): 01
50	ON	ша/ка	αN	ON	Silver, Total
50	2	бу/бш	131	133.	Lead, Total
50	3	₩â/kâ	13.0	4.81	Chromium, Total
50	ON	ша/ка	0.325J	0.294J	Sadmium, Total
50	L	ша/ка	611	128.	lstoT ,muinsB
50	01	ша/ка	₽8.₽	7£.4	Arsenic, Total
	Client ID: DUP Sample	10-10680817	QC Sample:	QC Batch ID: WG1097881-4	Total Metals - Mansfield Lab Associated sample(s): 01
RPD Limits	RPD Qual	stinU	licate Sample	Dup elqms2 evitsM	Рагатееег

Lab Duplicate Analysis
Batch Quality Control

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# INORGANICS & MISCELLANEOUS



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**SAMPLE RESULTS** 

Lab ID:L1808873-01Date Collected:03/15/18 12:45Client ID:EP-CP003Date Received:03/15/18Sample Location:ST. JAMES, NYField Prep:Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistr	y - Westborough Lab									
Solids, Total	80.3		%	0.100	NA	1	-	03/17/18 12:24	121,2540G	RI



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50 1.78 8.78 Solids, Total General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1098040-1 QC Sample: L1809035-01 Client ID: DUP Sample

stinU Duplicate Sample Mative Sample Parameter RPD Limits Qual GAR

Report Date: Project Number: GCA1705 03/51/18 Batch Quality Control L1808873 **GYRODYNE-CATERING** Project Name: Lab Mumber: Lab Duplicate Analysis

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 $^{\star}$  Values in parentheses indicate holding time in days

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NA2NEEOFK-8560(14)	12:81-AAM-71	Absent	λ	7.2		∀N	A	Vial Water preserved split	Z10-87880811
NA2NEFOLK-8260(14)	18:81-8AM-71	IneadA	Y	7.2		ΑN	A	Vial Water preserved split	L1808873-01Y
NA2NEEOFK-8560(14)		IneadA	Y	7.2		∀N	A	Vial MeOH preserved split	X10-£7888811
BE-TI(180),AS-TI(180),BA-TI(180),PB- TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB- TI(180),HG-T(28),CD-TI(180)		tnəzdA	Y	7.2		ΑN	A	beviese ignu zoS\Jm08 sssi9-yinO alateM	E1888813-01B
NASUFFOLK-8260(14),TS(7)		Absent	Y	7.2		ΑN	A	Vial Large Septa unpreserved (40z)	A10-8788081J
(*)zizylanA	Frozen Date/Time	Seal	Pres	qməT Ə gəb	lsni7 Hq	Initial Hq	Cooler	rmation Container Type	Container Info

A Absent Cooler Custody Seal

Cooler Information

Were project specific reporting limits specified? **KES** 

Sample Receipt and Container Information

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Project Name: **Fab Number:** L1808873 GYRODYNE-CATERING

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L1808873 Page G-272 **Project Name: GYRODYNE-CATERING** Lab Number:

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#### **GLOSSARY**

#### Acronyms

MS

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EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis

of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of

analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any

adjustments from dilutions, concentrations or moisture content, where applicable.

- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for

which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's

reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL

includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the

values; although the RPD value will be provided in the report.

- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the

associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound TIC

list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

# Footnotes

SRM

- The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

# Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Waterpreserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'. Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

# Data Qualifiers

A Spectra identified as "Aldol Condensation Product".

R - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



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#### Data Qualifiers

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projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C · Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should G be considered estimated.
- н - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I - The lower value for the two columns has been reported due to obvious interference.
- M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ  $- Presumptive \ evidence \ of \ compound. \ This \ represents \ an \ estimated \ concentration \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ the \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified \ Compounds \ (TICs), \ where \ representation \ for \ Tentatively \ Identified$ the identification is based on a mass spectral library search.
- P - The RPD between the results for the two columns exceeds the method-specified criteria.
- The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- Analytical results are from sample re-analysis.
- RE - Analytical results are from sample re-extraction.
- S - Analytical results are from modified screening analysis.
- J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

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# **REFERENCES**

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

# **LIMITATION OF LIABILITIES**

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



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Department: Quality Assurance Title: Certificate/Approval Program Summary

# Certification Information

#### The following analytes are not included in our Primary NELAP Scope of Accreditation:

# Westborough Facility

EPA 624: m/p-xylene, o-xylene

Alpha Analytical, Inc.

Facility: Company-wide

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: lodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-

Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide EPA 6860: SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.

# **Mansfield Facility**

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

# The following analytes are included in our Massachusetts DEP Scope of Accreditation

# Westborough Facility:

#### Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; EPA 353.2: Nitrate-N, Nitrite-N; SM4500NO3-F: Nitrate-N, Nitrite-N; SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B EPA 332: Perchlorate; EPA 524.2: THMs and VOCs; EPA 504.1: EDB, DBCP.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, EPA 350.1: Ammonia-N, LACHAT 10-107-06-1-B: Ammonia-N, EPA 351.1, SM4500NO3-F, EPA 353.2: Nitrate-N, EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D. EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan II, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), EPA 600/4-81-045: PCB-Oil. Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, SM9222D.

# Mansfield Facility:

# Drinking Water

EPA 200.7: Al, Ba, Be, Cd, Cr, Cu, Mn, Ni, Na, Ag, Ca, Zn. EPA 200.8: Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. EPA 245.1 Hg. EPA 522.

# Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Document Type: Form

NYSCEF DOC. NO. 51

INDEX NO. 608051/2022

RECEIVED NYSCEF: 06/14/2022

OZIGTHO.GW>D	0		ם פ	Old	m	120	₽	_ ≥	0	Š.		
Preservative Code: Aniona B = HCi C = HNO; D = H;30; F = NaOH F = NaOH F = MaOH F = MaOH F = MaOH F = Aniona H = Na;50; KE = 2n Ac/NaOH O = Other	1026138	ALPHA Lab ID (Lati Use Only)	Please specify Metals or TAL	These samples have been previously analyzed by Alpha Other project specific requirements/comments:	Email: Homesme		Phone: (631) 55	N	Client: PWGC	Clert Information	Westborough, MA 91581 8 Walkup Dr. TEL: 508-886-9220 EAX -508-808-0101	Дияна
Constainer Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteris Cup C = Cube Q = Other E = Endoss D = 80D Bottle	EP-CP	Sa	or TAL	en previously analyze requirements/comm	o ussorande		89.6353	SohnsonAve Sie f		. T	Mansfeld, MA.02048 320 Forber Blvd TEL 508-822-9300 FAX 508-822-9308	CHAIN OF
Westboro: Certification No: MA935 Mansfield: Certification No: MA015	3/15/18	Sample ID Co		ents:	DWG/CS \$41, con Rush (only if pre approved)	Standard	Turn-Around Time	Project Manager: 10m Me	me as Project #)	Project Location: St. Sar Project # Co CA 1705	Project Information Project Name: (-)	SerVice Centers Mathwith, NJ 97430: 35 Whitney Rd, Sulte 5 Alberry, NY 12265: 14 Weller Way Tonawaoda, NY 14150: 275 Cooper Ave, Suite 105
Conta   Conta   Pn	B 1245 5	Collection Sample Mairtix			# of Days:	Due Date:		lia		mes, MY	ne Catering-	Page ( of
Container Type A A  Preservative A A  Received By:	XXX		IS VQ Smet	Cs is	ANA) YSIS		NY Restricted Use	AWO Standards	Regulatory Requirement	Sother Ac	Deliverables ASP-A	ab ac
Date/Time  Date/Time  Als/14/23					Discrisige	Usa	Other	NY OP-61	1	its only	ASP-B	03-16-2018
Please print clearly, legibly and completely. Samples can not be logged in and turnaround time indox will not start until any ambiguities are resolved. By EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMIS & CONDITIONS.		(Please Specify below)	tor order	Done	Sample Filtration	Z	Disposal Facility:	explicable disposal facilities.	Disposal Site Information	T d	Same as Client Info	ALPHA Job# 11808873

Serial\_No:03211818:42

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# APPENDIX C WASTE MANIFESTS

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Ticket: 1140948 Date: 3/6/2018

Time: 14:10:24 - 14:47:48

Gross: 72240 lb In Scale 1 Tare: 50380 lb Out Scale 1

Net: 21860 15

Truck: 7011 Customer: Clearbrook License: RB03361

Comment:

Hearbrook TEI Company

Deer Park, NY 11729

972 NICOLLS RD

DEER PARK, NY 11729-3806

972 Nicodls Road

Manifest: 22804

Origin

Materials & Services Quantity Unit

7/SUFFOLK

4DISPCS/Disposal of Contamina 10.93 Ton

Driver:

Deputy Weighmaster:

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Waste Manifest Number

22804

972 Nicolls Road Deer Park, NY 11729 Office: 631.586.0002 Fax: 631.586.0530

New York State DEC Licensed Transfer Facility BIC # 1272

# **Non Hazardous Waste Manifest**

PERMIT # 1-4720-00317/00001

		(1) 04/2 47 011							
Generator of Waste Material	verdine		0++39643C						
1. Customer Name: a Tering	HAIL 2. Phone Nur	mber:							
3. Street Address: FIO WERFIE	4. City/State/	zip: Sain	T JAMES, WY 11780						
	SUBJECT TO THE TERM IN THE NYS DEC OPERA								
The undersigned, being duly authorized source and type of waste identified and			owledge the accuracy of the TOR SIGNATURE REQUIRED						
5. Signature of Generator or Agent: Print	Name: Nicholas Ian	nto Gyn	Date: 3/6/18						
Wastestream Identification: Circ			1						
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE						
NOW HAZ DEBYIES	Cubic Yards Gallons Tons	10	217-263						
	d d								
Others and special handling instructions, if	any:								
Transporter of Waste	NOTE	: TRANSPOR	TER SIGNATURE REQUIRED						
1. Company Name: Leu Brook		ZNICON	s Rd Deer Pavic Ny						
3. Phone (631) \$86 - 000	4. Pump Out	Date: 3/	6/18						
5. Vehicle License No: 21498 N									
I certify that to the best of my knowledge at 972 Nicolls Road, Deer Park, NY 1172	e the waste that is being delivered 9 contains no hazardous waste	/							
Print Name: OSCAR MARQUIT	na Signature.	Ma	Date: 3/6//8						
Acceptance by ClearBrook									
The above transporter delivered the description	cribed waste to the Transfer Fac	ility and if was	s accepted.						
Transfer Date: 3-6-18	Time:	Sam	ple ID#						
Signature of Authorized Agent:	Signature of Authorized Agent: Print Name Print Name								
WHITE: TRANSFER FACILITY	YELLOW: TRANSPORTER PINK: GI	ENERATOR G	OLD: ACCOUNTING						

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Ticket: 1140950 Date: 3/6/2018

Time: 14:17:01 - 14:51:18

Gross: 67260 lb In Scale 1 Tare: 46140 lb Out Scale 1

Net: 21120 lb

Clearbrook TEI Company 972 Nicolls Road Deer Park, NY 11729

Truck: 7007 Customer: Clearbrook 972 NICOLLS RD DEER PARK, NY 11729-3806

Comment:

Manifest: 27192

Origin

Materials & Services Quantity Unit

7/SUFFOLK

4DISPCS/Disposal of Contamina 10.56 Ton

License: 25107MD

Driver:

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ClearBrook

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Waste Manifest Number

27192

972 Nicolls Road

Office: 631.586.0002  Non Hazardous Waste Manifest
Fax: 631.586.0530  New York State DEC Licensed Transfer Facility  TRUCK 7-007
New York State DEC Licensed Transfer Facility BIC # 1272    TRUCK 7-007
CATTALLIS HOLL WORK 396437
Generator of Waste Material Gyndene
1. Customer Name: ATERTN & HALL 2. Phone Number:
3. Street Address: FINDERFIELD 4. City/State/Zip: SAINT_TAMES, NY
ALL WASTES ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE NYS DEC OPERATING PERMIT
The undersigned, being duly authorized, does hereby certify to the best of their knowledge the accuracy of the source and type of waste identified and subject to this manifest.  NOTE: GENERATOR SIGNATURE REQUIRED
5. Signature of Generator or Agent: Agent of Engrodge Date: 3/6/18
Print Name: Nicholas I annucci
Wastestream Identification: Circle/Fill Out All Boxes
DESCRIPTION OF WASTE OUNIT (Circle One) QUANTITY NYS DEC N-CODE
Non Hazardous Cubic Yards Gallons Tons 15 Yard 2A-263
Others and special handling instructions, if any:
Transporter of Waste NOTE: TRANSPORTER SIGNATURE REQUIRED
1. Company Name: Clear BYBOK 2. Address: 7/2 PICOIIS NO
3. Phone: 631 586-0002 4. Pump Out Date: 3/6/18
5. Vehicle License No: 25 107 m 5 6. NYS DEC Permit No: 2A-263
I certify that to the best of my knowledge the waste that is being delivered into ClearBrook transfer facility located at 972 Nicolls Road, Deer Park, NY 11729 contains no hazardous waste.
Print Name: Tose Gomez Signature: Tose Gomez Date: 3/6/18
Acceptance by ClearBrook
The above transporter delivered the described waste to the Transfer Facility and if was accepted.
Transfer Date: Sample ID#
Signature of Authorized Agent: Print Name Wellow Liver
WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GENERATOR GOLD: ACCOUNTING
FORM 130 REV 2/12

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RECEIVED NYSCEF: 06/14/2022

Page G-282 Ticket: 1141439

Date: 3/14/2018 Time: 12:26:10 - 13:02:20

Gross: 63460 lb In Scale i Tare: 44800 1b Out Scale 1

Net: 18660 1b

License: RA92750

Carrier: Clearbrook Comment:

Clearbrook TEI Company

Truck: 7010 Customer: Clearbrook 972 NICOLLS RD DEER PARK, NY 11729-3806

972 Nicolls Road

Deer Park, NY 11729

Manifest: 28078

Materials & Services Quantity Unit

7/SUFFOLK

SANTYGRIT/Sanitary Grit 9.33 Ton

Driver:

Deputy Weighmaster:

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RECEIVED NYSCEF: 06/14/2022

FORM 130 REV 2/12



Waste Manifest Number

28078

972 Nicolls Road Deer Park, NY 11729 Office: 631.586.0002 Fax: 631.586.0530

# **Non Hazardous Waste Manifest**

New York State DEC Licensed Transfer Facility BIC # 1272

PERMIT # 1-4720-00317/00001

Truck# 7010

WD# 396918						
Generator of Waste Material						
1. Customer Name: Color wa Hall 2. Phone Nur	nber:					
3. Street Address: 4 Flowor Cold 4. City/State/	Zip: Saint	Jamos 11780				
ALL WASTES ARE SUBJECT TO THE TERM CONTAINED IN THE NYS DEC OPERA	IS AND CO	NDITIONS				
The undersigned, being duly authorized, does hereby certify to the be source and type of waste identified and subject to this manifest.	est of their kn	owledge the accuracy of the				
5/Signature of Generator or Agent: Agento Print Name: Nicholas Iannucia	f Gyerody	Date: 3/14/18				
Wastestream Identification: Circle/Fill Out All Boxes						
DESCRIPTION OF WASTE UNIT (Circle One)	QUANTITY	NYS DEC N-CODE				
ron hor solid material Cubic Yards Gallons Tons	15					
Others and special handling instructions, if any:						
Transporter of Waste NOTE: 1	RANSPORT	ER SIGNATURE REQUIRED				
1. Company Name: Cloc Scot 2. Address: C	400/4 CT	s ld Door lax				
3. Phone: (63) 586-0002 4. Pump Out	Date:3\	14/12				
5. Vehicle License No: 2497-46 6. NYS DEC Permit No: 24-263						
I certify that to the best of my knowledge the waste that is being delivered into ClearBrook transfer facility located at 972 Nicolls Road, Deer Park, NY 11729 contains no hazardous waste.						
Print Name: Androng Williams Signature: Authory In	Want	Date:				
Acceptance by ClearBrook						
The above transporter delivered the described waste to the Transfer Facility and if was accepted.						
Transfer Date: 3-14-18 Time:	Samı	ple ID#				
Signature of Authorized Agent: Print  WHITE: TRANSFER FACILITY YELLOW: TRANSPORTER PINK: GE						

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Clearbrook TEI Company 972 Nigolls Road Dger Park, NY 11729

Truck: 7010. Customer: Clearbrook 972 NICOLLS RD DEER PARK, NY 11729-3806

License: RA92750

Ticket: 1141445 Date: 3/14/2018

Time: 16:40:27 - 17:13:54

Gross: 60960 lb In Scale 1 Tare: 48400 lb Out Scale 1

Net: 12560 lb

Carrier: Clearbrook

Comment:

Manifest: 28079

Origin

Materials & Services Quantity Unit

7/SUFFOLK

SANTYGRIT/Sanitary Grit 6.28 Ton

Drivers

Deputy Weighmaster:

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RECEIVED NYSCEF: 06/14/2022



Waste Manifest Stanber

28079

972 Nicolls Road Deer Park, NY 11729 Office: 631.586.0002 Fax: 631.586.0530

# **Non Hazardous Waste Manifest**

Fax: 631.586.0530  New York State DEC Licensed Transfer  BIC # 1272	Facility Truck #7	O PERI	WIT # 1-4720-00317/00001		
	WOT 397216				
<b>Generator of Waste Material</b>					
1. Customer Name: Catering 1	2. Phone Nur	mber: ———			
3. Street Address: 1 Flower Cold	4. City/State/	Zip: Saint	Jamos 24 11780		
	SUBJECT TO THE TERM IN THE NYS DEC OPER				
The undersigned, being duly authorized source and type of waste identified and					
5. Signature of Generator or Agent:	Lami Agento	of Gyrdyn	e Date: 3/14/18		
Print	Name: Nicholas Tannucci				
Wastestream Identification: C		L			
DESCRIPTION OF WASTE	UNIT (Circle One)	QUANTITY	NYS DEC N-CODE		
landen bilos sal non	Cubic Yards Gallons Tons	10			
Others and special handling instructions, if	any:				
	170				
Transporter of Waste	(		ER SIGNATURE REQUIRED		
1. Company Name: Clar Brook			15 RG DOOR PORK		
3. Phone 63 586-0002	4. Pump Out	Date: _3\1	4/18		
5. Vehicle License No: 21497	6. NYS DEC	Permit No:	21-263		
I certify that to the best of my knowledge the waste that is being delivered into ClearBrook transfer facility located at 972 Nicolls Road, Deer Park, NY 11729 contains no hazardous waste.					
Print Name: Anthony William	Signature: Outhery	J. Clan	_ Date: 3/14/18		
Acceptance by ClearBrook					
The above transporter delivered the description	cribed waste to the Transfer Fac	cility and if was	s accepted.		
Transfer Date: 31418	Time:	Sam	ple ID#		
Signature of Authorized Agent:	ey Was Print	Name —	anay ungle		
WHITE: TRANSFER FACILITY	YELLOW: TRANSPORTER PINK: GI	ENERATOR G	OLD: ACCOUNTING		
			FORM 130 REV 2/12		

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CLEAR FLO TECHNOLOGIES, INC: 1110 Rte. 109
N. Lindenhurst, N.Y. 11757
Tel: (631) 956-7600
Fax: (631) 956-7020

•	MANIFEST NUM	BER Page G-286
Part 1	Part 2	Part 3
3-14-18	7:10	204925
Date of Pick-Up	Time of Pick-Up	Chronological Number /Also Used as Sample #
(Use 2 Digit Numbers) Example 040103	(Military Time)	(Assigned at Clear Flo- Receiving Station)

# LIQUID WASTE DISCHARGE MANIFEST

A. Volume: Gallons: 8. 000	Wt. In:		Wt. Out:	
B. Type: Condensate Water	Decant Grease	☑ Grease	☐ Industrial Rinse	Leachate
Leachate Pool	Pharmaceutical	Septic/Septage	Sludge	Storm Water
STP Effluent	Transfer Leachate	Other:		
C. Source Home/Apt.	Office/Commercial	Municipal	Industrial	Other
Description of Other and special handli	hg instructions, if any			
GENERATOR OF WASTEWATER (	(Sections 2A, 2B, & 2C mu	st be completed by ge	nerator or hauler)	
Complete Name (print or type)	FERIN Hall	B.	Tel. No:	
. Complete Pickup Address: 1 FU	OWERFIELD	Saint J	и <i>Е</i> 5	·
ALL WA	STEWATERS ARESUI FIONS CONTAINED IN	BJECT TO THE TE	RMS AND	, 7 <del>1</del>
The undersigned, being duly authorized nd type of wastewater identified and subsequent EQUIRED  Signature of Generator or Agent	ibject to this manifest. SI	ECTION D GENER	ATOR SIGNATURE	,
HAULER OF LIQUID WASTE (S	ections 3A, 3B, 3C, 3D and	l 3E must be complet	ed by hauler)	
A. Company name (print or typ B. SCDPW Permit No. 2003 E. NYS DEC Permit No. 2003	e): CLEARDYOC S 3C. Vehicle License No. 263	F14101 D. Pump	Out Date: 3-14-	18
The shows decay 1 - 21' - 11	te was picked up and haule	egoing is true and cor	rect.	w and was
discharged. I certify under pena	K CAMO	in many	INEZ-	
	t and title Lamo	n mark	inez.	
discharged. I certify under pena F. Signature of authorized agen	at and title & amo	n mark		
discharged. I certify under pena	TECHNOLOGIES, INC	(must be completed	by disposer)	

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TEMPOLO D			
A ZIN VINO	• • •	MANIFEST NUMB	ER
( CHAY SILL	Part 1	Part 2	Part 3
CLEAR FLO TECHNOLOGIES, INC.	ail line		*.
11TO Rte: 109	03/06(18	10:30	7011106
N. Lindenburst, N.Y. 11757 Tel: (631) 956-7600		Am	209900
Fax: (631) 956-7020	Date of Pick-Up	Time of Pick-Up	Chronological Number . /Also Used as Sample #
	(Usc 2 Digit Numbers)	(Military Time)	(Assigned at Clear Flo-
T TOYTON THE GOVE INTO ANY A DIOTO BE A BUTTLE OFFI	Example 040103		Receiving Station)
LIQUID WASTE DISCHARGE MANIFEST		·	•
			,
1. WASTEWATER STREAM IDENTIFICATION	(Sections 1A, 1B, & 1C m	ust be completed by	generator or hauler)
A. Volume: Gallons: -, Wt. In:		Wt. Out:	
B. Type: Condensate Water Decant	Grease Crease		trial Rinse Leachate
	aceutical Septio	Septage.   Sludg	e Storm Water
	er Leachate Other:		
C. Saurce Home/Apt. Office/	Commercial Munic	ipai   Indus	trial Other
Description of Other and special handling instruct	ions, if any	· · · · · · · · · · · · · · · · · · ·	<u></u>
			<u> </u>
2. GENERATOR OF WASTEWATER (Sections 2.	A 28 & 20 must be compl	atad ha vanagatar ar	haulan
	M. 20 mast begoing	eted by generator of	naulei)
A. Complete Name (print or type) cheving	Hill- Spragge	B. Tel. No:	
r'el			
C. Complete Pickup Address:	7 9 4,0 Za	Jan Y	· · · · · · · · · · · · · · · · · · ·
ALL WASTEWAT	ers are subject to	THE TERMS AN	'n.
CONDITIONS CO	NTAINED IN THE DIS	CHARGE PERMI	r
A. C. C. C. C. C. C. C. C. C. C. C. C. C.		, ,	•
The undersigned, being duly authorized, does here	by certify to the best of th	eir knowledge to the	e accuracy of the source
and type of wastewater identified and subjects the REQUIRED	is manifest   SECTION L	GENERATOR SI	GNATURE
D. Signature of Generator or Agent:	Un 7 950	19Km/	Date: 3 (5/1/)
		. , , , ,	, , , , , , , , , , , , , , , , , , , ,
3. HAULER OF LIQUID WASTE (Sections 3A	, 3B, 3C, 3D and 3E must b	e completed by haul	er)
A Co	vest Duinga		
A. Company name (print or type).  B. SCDPW Permit No. 2 5 - C. Vehi		D. Pump Out Date:	
E. NYS DEC Permit No: 1 A- LOS	cie picense no D-PS		Stoti
***************************************			
The above described liquid waste was pick	ed up and hauled by me to	the disposal facility	named below and was
discharged. I certify, under penalty of perju	iry that the foregoing is tr	ue and correct.	
F. Signature of authorized agent and title:	The same of the sa	il.	( フサ・・・・
/			
4. ACCEPTANCE BY CLEAR FLO TECHNO	LOGIES, INC. (must be d	completed by dispose	(r):
The above hauler delivered the described	wastewater to the disposal	facility and it was a	contad
107	/)	ال يد يستسم	and the second
Disposal Date:	Sample ID No.:	100	406
	$\cdot 1 / L$		• ;
Signature of authorized agent and title:	1/12/		
PINK-GENERATOR YELLOW-TRANS	POPTED WHITE	DIEDOS AY PACE	T TON
PINK-GENERATOR YELLOW-TRANS	CORIEK WHITE	DISPOSAL FACI	LITY GOLD-FILE
		•	

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Page G-288 MANIFEST NUMBER Part 3 Part 1 Part 2 CLEAR FLO TECHNOLOGIES 1110 Rtc. 109 N. Lindenhurst, N.Y. 11757 Tel: (631) 956-7600 Date of Pick-Up Time of Pick-Up Chronological Number Fax: (631) 956-7020 /Also Used as Sample #... (Use 2 Digit Numbers) Example 040103 (Assigned at Clear Flo-Receiving Station) (Military Time) LIQUID WASTE DISCHARGE MANIFEST 1. WASTEWATER STREAM IDENTIFICATION (Sections 1A, 1B, & 1C must be completed by generator or hauler) Wt. In: Wt. Out: Gallons: Decant Grease Grease Industrial Rinse Condensate Water B. Type: Leachate Pool Pharmaceutical Septic/Septage Storm Water Sludge STP Effluent Transfer Leachate Other: Other C. Source Home/Apt. Office/Commercial ☐ Municipal Industrial Description of Other and special handling instructions, if any GENERATOR OF WASTEWATER (Sections ZA, 2B, & 2C must be completed by generator or hauler) A. Complete Name (print or type C. Complete Pickup Address ALL WASTEWATERS ARE SUBJECT TO THE TERMS AND CONDITIONS CONTAINED IN THE DISCHARGE PERMIT The undersigned, being duly authorized, does hereby certify to the best of their knowledge to the accuracy of the source and type of wastewater identified and subject to this manifest. SECTION D GENERATOR SIGNATURE REQUIRED D. Signature of Generator or Agent: 3. HAULER OF LIQUID WASTE (Sections 3A, 3B, 3C, 6D and 3E must be completed by hauler) A. Company name (print or type): C. Verricle License No RC 6857 B. SCDPW Permit No. D. Pump Out Date: E. NYS DEC Permit No.:14 The above described liquid waste was picked up and hauled by me to the disposal facility named below and was discharged. I certify under penalty of perjury that the foregoing is true and correct. F. Signature of authorized agent and title: 4. ACCEPTANCE BY CLEAR FLO TECHNOLOGIES, INC. (must be completed by disposer) The above hauler delivered the described wastewater to the disposal facility and it was accepted. Disposal Date: Samp Signature of authorized agent and title: YELLOW-TRANSPORTER WHITE\_DISPOSAL FACILITY GOLD-FILE PINK-GENERATOR

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MANIFEST NUMBER

Part 2

N. Lindenhurst, N.Y. 11757 Tel: (631) 956-7600 Fax: (631) 956-7020 LIQUID WASTE DISCHARGE MANIFEST		Date of Pick-Up		Time of Pick-Up	Chronological Number	
		•	(Use 2 Digit Numbers)		(Military Time)	/Also Used as Sample # (Assigned at Clear Flo-
		Example 040103		1	Receiving Station)	
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SC POLLUTION CONTROL

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# **COUNTY OF SUFFOLK**



DEPARTMENT OF HEALTH SERVICES

JAMES L. TOMARKEN, MD MSW, MPH, MBA, FRCPC, FACP Commissioner

August 22, 2011

Mr. Clint Borkstrom Gyrodyne Corporation 1 Flowerfield Road St. James, NY 11780

Re: Gyrodyne

1 Flowerfield Road, St. James, NY

SC FR# 07444

Dear Mr. Borkstrom,

This office has reviewed the closure documentation submitted by PW Grosser on your behalf regarding the remediation work performed at the above-referenced location.

Based on the information provided, this office will be requiring no further action in regard to the on-site sanitary system or storm water leaching pools at this time. All endpoint analyses and waste disposal manifests have been deemed acceptable and the matter is closed.

If you have any questions regarding this matter, please feel free to contact me at 631-854-2534.

Best regards,

Edward Rose

Edward Roe, Project Manager

Public Health Sanitarian

latet M. Gremli

Associate Public Health Sanitarian

Bureau of Environmental Investigation and Remediation

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# GYRODYNE PROPERTY SAINT JAMES, NEW YORK

# UNDERGROUND INJECTION CONTROL STRUCTURE REMEDIATION REPORT

# **Submitted To:**



Suffolk County Department of Health Services Office of Pollution Control 15 Horseblock Place Farmingville, New York 11738

# On Behalf Of:



Gyrodyne Company of America, Inc. 1 Flowerfield Road Saint James, New York 11780

# Prepared By:



P.W. Grosser Consulting, Inc. 630 Johnson Avenue, Suite 7 Bohemia, New York 11716 Phone: 631-589-6353 Fax: 631-589-8705

Frank P. Castellano, PG, Vice-President/COO Thomas Melia, Project Manager

PWGC Project Number: GCA1101

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# 1.0 INTRODUCTION

This Underground Injection Control (UIC) Structure Remediation Report has been prepared by P.W. Grosser Consulting Inc. (PWGC), on behalf of the Gyrodyne Corporation of America (GCA), for the Gyrodyne Property located in Saint James, New York. This report documents the results of remedial activities performed at the above referenced site. The scope of work was based upon PWGC's UIC Remediation Work Plan for the site dated May 2011, and the requirements of the Suffolk County Department of Health Services (SCDHS) for the subject site.

# 1.1 Site Background

The subject property consists of an approximate 62.4 acre parcel owned by Gyrodyne. The property historically included approximately 250 additional acres which were recently acquired by Stony Brook University (SUNY-SB).

Historically, from 1951 to 1972 the Gyrodyne property was used for the final assembly of helicopter drones for the United States Navy. Final assembly of the drones took place in the industrial buildings located in the southern portion of the property. Assembly of the component parts was conducted at an offsite location. Portions of the subject property, outside the subject 62.4 subject site, were utilized for flight testing of finished drones.

Currently the subject property is largely vacant with the exception of four industrial buildings located at the southern portion of the property. These buildings are currently occupied by various medical, commercial and light industrial tenants. These buildings are serviced by nine onsite sanitary systems. Based upon the current redevelopment plans, the former industrial area will largely be occupied by the sewage treatment plant.

Based upon PWGC's evaluation of the property, the area of concern for the subject property consists of the four commercial industrial buildings (Site Buildings 1, 2, 7, and 8) located in the southern portion of the property. No industrial uses were documented for the remainder of the subject 62.4 acres.

# 1.2 Site Environmental History

PWGC reviewed available environmental documents for the Gyrodyne Property and prepared the following summary:

# 1.2.1 Phase I Environmental Site Assessment, December 2003

A Phase I Environmental Site Assessment (ESA) was prepared for the site by KTR-Newmark Consultants, LLC on behalf of SUNY-SB and was an environmental assessment of the entire 314 acre Gyrodyne Parcel. The relevant findings of the Phase I with respect to the subject 62.4-acre parcel were as follows:

- Based upon the former and current industrial uses at the time, a Phase II sampling investigation was recommended for the site.
- Onsite sanitary systems were identified at buildings 1,2,7, and 8. Sampling of these sanitary systems was recommended.
- Several mounds were identified in the former Fairgrounds area (within the 62.4 acres). There was no
  evidence that the mounds were related to former dumping, however, that potential could not be ruled
  out. Excavation of test pits within the mounds was recommended. Investigation of the mounds on the

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fairgrounds was never discussed during any subsequent environmental reports. During PWGC's 2006 / 2007 inspections of the property, no evidence of such mounds were identified.

- Underground Storage Tanks (USTs) were identified at the site. These included two-2,000 gallon tanks west
  of building 7 which contained #2 fuel oil and a documented gasoline UST at building 8. No evidence of
  the gasoline tanks was noted during the inspection. The Phase I recommended tightness testing of the
  fuel oil tanks and investigation of the gasoline tank area.
- Historic USTs were documented as having been present at the site. These included the following:
  - Two 2,000 gallon #2 fuel oil tanks located in the vicinity of building 2. These tanks were removed in 1996
  - Two 550 gallon #2 fuel oil USTs located in the vicinity of building 2. These tanks were removed in 1997 and replaced with aboveground storage tanks (ASTs).
  - o A 2,000 gallon gasoline UST located outside building 2. This tank was removed in 1987.
  - Two 5,000 gallon #2 fuel oil USTs located in the vicinity of Building 7. These tanks were removed in
     1987

The Phase I recommended the collection of subsurface samples at each of the former tank areas.

Numerous fuel oil ASTs were present at the subject property. Evidence of staining was present on asphalt
in the vicinity of two of the tanks located at Building 2. Cleaning of the staining was recommended as
well as subsurface sampling if evidence of subsurface impacts was present.

# 1.2.2 Phase II Environmental Assessment, May 2004

A Phase II ESA was prepared for the site by Jade Environmental, Inc. to address the findings of the Phase I ESA detailed above. A summary of the relevant findings is as follows:

- A magnetometer survey was conducted in the vicinity of buildings 1, 2, 7 and 8. The magnetometer survey revealed two anomalies in the vicinity of building 2. One was located 100 feet south of the northwest corner of the building. According to building employees, this was the location of the two former gasoline tanks noted above in the Phase I findings. The second anomaly was located on the west side of building 2. Soil borings and hand excavation of both anomalies did not reveal the presence of any tanks, however, the soils were indicative of being backfill material. Based upon these findings it was determined that the anomalies represent former tank areas, and additional magnetometer surveys were not required.
- Sampling of accessible sanitary system leaching structures as well as select storm drain structures was conducted at buildings 1,2,7, and 8. The data was compared to the Suffolk County Department of Health (SCDHS) action levels contained within SOP 9-95. These action levels are used to determine which structures would require remediation. Based upon the SCDHS action levels, storm drains 8ASD and 2CSD would require remediation due to elevated levels of SVOCs. In addition, sanitary leaching pool 1A would require remediation due to elevated levels of cadmium.
- In order to address former tank areas, soil borings were conducted in the vicinity of buildings 2, 7, and 8. Soil samples at each of these locations were analyzed for VOCs and SVOCs since petroleum products were the primary contaminates of concern. The findings by building were as follows:

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- o Building 2 Nine borings were conducted in the vicinity of this building. From these borings, six samples were submitted for analysis. At least three of the samples were collected in the former tank areas identified above. The remaining borings were conducted at the suspected former fuel oil tank areas. Analytical results from the six samples revealed low levels of impact, with only one compound detected above their respective RSCOs. The detected compound, Benzo(a)pyrene was detected at 83ug/kg which slightly exceeded its RSCO of 61ug/kg. The levels of impact detected are not indicative a significant release which would require further assessment or remediation.
- Building 7 Four borings were collected in this area. Each of the borings were conducted in the vicinity of the active fuel oil tanks located in this area. Analytical results from the four samples revealed low levels of VOC and SVOC impacts from the borings. The detected compounds were at levels well below their respective RSCOs. Based upon these finding, there was no indication that the tanks had leaked.
- Building 8 Four borings were conducted in the western side of the building, in suspected former tank locations. Analytical results for each of the four borings were non-detect, so no additional investigation of building 8 was recommended.
- Groundwater at the Gyrodyne site is estimated to be approximately 100' to 120' below grade. Due to the significant groundwater depth, it was determined that installation of new monitoring wells would not be warranted unless there was an obvious source of impact which would reach the subsurface. Existing groundwater supply wells were sampled at the site. This sampling included a well on the catering hall portion of the property which supplies the pond during periods of low rainfall. This well is located in a downgradient direction, based upon regional groundwater data, to Buildings 1, 2, 7, and 8. The well was sampled for VOCs, pesticides, PCBs and metals. Analytical results from the wells revealed that each of the VOC, pesticide, and PCB compounds were non detect. Analytical results for metals only detected concentrations of copper and zinc at background levels. Based upon this data, there was no indication that the former and current uses of the buildings 1, 2, 7, and 8 impacted the groundwater beneath the site at that time.

At the conclusion of this Phase II ESA, signs of impact were noted with regards to the onsite sanitary systems and the storm drains located in the vicinity of Buildings 1, 2, and 8. As a result, remediation of structures 1A, 8ASD and 2CSD would be warranted. The Phase II ESA also identified low levels of petroleum impact in the former tank areas. The detected concentrations were sufficiently low that PWGC believes that further assessment would not be required.

# 1.2.3 UIC Closure Letter From SCDHS, June 2005

No historic documents with regards remedial activities related to the impacted storm drains and sanitary leaching pools were available for PWGC to review. However, PWGC was provided a copy of a letter from the SCDHS, which indicated that the remediation of storm drains 8ASD and 2CSD, as well as leaching pool 1A and its respective septic tank, were effective, and that further remediation was not required.

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# 1.2.4 Initial UIC Characterization, April 2008

In April 2008, PWGC performed characterization of the on-site sanitary systems used by current site occupants in a effort to rule out potential impacts subsequent to the 2004 Phase I & II ESAs performed at the site. PWGC assessed the sanitary systems associated with occupied buildings 1, 2, 7, and 8 to determine the primary leaching structure associated with each sanitary system, and collected a soil/sediment sample from each primary structure. Ten separate sanitary systems were identified and sampled (see Figure 1 for sanitary system locations and configurations). Sanitary system IDs were assigned arbitrarily and do not correspond to associated building numbers.

A total of ten soil/sediment samples were collected from onsite sanitary systems. Soil/sediment samples collected from each primary structure were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals, in accordance with Suffolk County Department of Health Services (SCDHS) procedures. Sample results were compared to the Action Levels specified in SCDHS SOP 9-95, Pumpout and Soil Cleanup Criteria.

Initial characterization identified impact exceeding SCDHS Action Levels in the primary cesspools associated with sanitary systems 7, 8, 9, 10, and 12. Initial characterization data are included in **Table 1B**, and **Table 1C**.

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# 2.0 UIC REMEDIATION

Based on the findings of the 2008 UIC structure characterization, PWGC performed remedial activities at the site in June 2011. The scope of work for remediation consisted of supplemental sampling to characterize secondary cesspools and storm drains not sampled during initial characterization in 2008. Remedial activities were performed by AARCO Environmental of Deer Park, New York under the oversight of PWGC personnel.

# 2.1 Supplemental Characterization

During initial UIC characterization in 2008, PWGC collected samples only from primary cesspools at the site. Based on 2008 analytical data, additional characterization of secondary cesspools in sanitary systems 7, 8, 9, and 10 was necessary. Based on SCDHS requirements, characterization of the onsite storm water drainage system was necessary as well. Additional characterization sampling was performed in accordance with PWGC's UIC Structure Remediation Work Plan (dated May 2011) and was observed by Mr. Ed Roe of SCDHS.

Supplemental characterization samples were collected from the base of each structure using a properly decontaminated stainless steel hand auger. Samples were collected in pre-cleaned laboratory supplied glassware and stored in a cooler packed with ice for shipment to the analytical laboratory. Samples were delivered under proper chain-of-custody procedures via lab courier to Environmental Quality Services, Inc. of Farmingdale, New York, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory (ELAP ID: 10969).

# 2.1.1 Secondary Cesspool Characterization

Based on the results of initial characterization sampling performed in 2008, soil/sediment samples were collected from secondary cesspools within each impacted sanitary system (systems 7, 8, 9, 10). Samples were collected from a total of six secondary cesspools (8SLPA, 9SLPA, 9SLPB, 9SLPC, 10SLPA, 10SLPB).

# 2.1.2 Storm Water Drainage System Characterization

Soil/sediment samples were collected from selected storm water drainage structures. Selected structures were biased toward those deemed most likely to have been impacted by site operations. Samples were collected from a total of 13 storm water drainage structures (CB-9, CB-18, SD-1, SD-7, SD-8, SD-10, SD-11, SD-13, SD-14, SD-15, SD-19, MH-2, TD-1). Storm water drainage structures to be characterized were selected by the SCDHS representative onsite.

# 2.1.3 Supplemental Characterization Results

Soil/sediment samples collected during supplemental characterization were analyzed for SVOCs, and metals, in accordance with SCDHS directives. Sample results were compared to the Action Levels specified in SCDHS SOP 9-95, Pumpout and Soil Cleanup Criteria. Analytical data are summarized in **Table 1A**, **Table 1B**, and **Table 1C**; laboratory analytical reports are included in **Appendix A**.

Supplemental characterization sampling identified impact exceeding SCDHS Action Levels in three additional structures (secondary cesspool 9SLPB and storm drains SD10 & SD13).

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#### 2.2 UIC Structure Remediation Scope of Work

Based upon the findings of initial and supplemental characterization sampling, SCDHS required the remediation of two storm water drywells (SD-10 and SD-13), five cesspools (7PLP, 8PLP, 9PLP, SLP9B, and 10PLP) and four septic tanks (ST-7, ST-8, ST-9, and ST-10) due to the presence of SVOCs and/or metals in excess of SCDHS Action Levels. Remediation was performed in accordance with PWGC's UIC Structure Remediation Plan for the site dated May 2011.

#### 2.2.1 Liquid Removal

A vacuum powered pump truck was used to remove liquids from structures requiring remediation (where present). PWGC obtained Suffolk County Department of Public Works (SCDPW) approval to dispose of the liquids at their waste water treatment facility (see **Appendix B**). SCDPW was present during liquid removal from sanitary cesspools and septic tanks. Liquids were disposed of at the Bergen Point waste water treatment facility. A total of 14,000 gallons of liquid waste was generated and disposed of. Waste manifests are included in **Appendix C**.

#### 2.2.2 Soil/Sediment Removal

Following removal of liquids (where present), a Guzzler was used to remove impacted sediments from each cesspool and storm drain requiring remediation until visually clean/non-stained, native soils were encountered. SCDHS personnel were onsite to inspect each structure following remediation.

Following removal of sediments from remediated UIC Structures, confirmatory endpoint soil samples were collected from the base of each structure to document the effectiveness of the cleanout. Endpoint samples were collected using a properly decontaminated hand auger, placed in laboratory supplied glassware, and stored in a cooler on ice for transport to the laboratory.

Septic tanks were remediated by removal of liquids and sludge from within each tank. Remediated septic tanks were visually inspected by PWGC and SCDHS to confirm the integrity of the concrete vault. Based upon visual inspection, no visible cracks or penetrations in the vaults providing a pathway to the subsurface were identified in the remediated septic tanks.

#### 2.3 Laboratory Analysis

Samples were collected in pre-cleaned laboratory supplied glassware and stored in a cooler packed with ice for shipment to the analytical laboratory. Samples were delivered under proper chain-of-custody procedures to Environmental Quality Services, Inc. of Farmingdale, New York, a NYSDOH ELAP certified laboratory (ELAP ID: 10969). Endpoint samples were analyzed for:

- SVOCs by USEPA Method 8270 (SCDHS List)
- Metals by USEPA Method 6010/7471 (SCDHS List).

#### 2.4 Waste Disposal

Wastes generated during UIC remediation were disposed of at properly permitted facilities. Copies of waste manifests and disposal recipes are included as **Appendix C**.

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#### 2.4.1 Soil Disposal

A total of 68.18 tons of non-hazardous soils were generated during remediation. Nonhazardous soils were transported to Earthcare's permitted Part 375 transfer facility in Deer Park. The soils were later transported with similar soils for final disposal.

#### 2.4.2 Liquid Disposal

An estimated of 14,000 gallons of non-hazardous liquids were generated during remediation. Liquid wastes were removed and transported by Earth Care of Deer Park, New York and disposed of at SCDPW's Bergen Point Sewage treatment facility.

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#### 3.0 ANALYTICAL RESULTS

Based on the findings of UIC characterization sampling, a total of eleven storm drains, septic tanks and cesspools required remediation. Of the eleven remediated structures, confirmatory endpoint samples were collected from six. No endpoint samples were collected from solid bottomed structures (e.g., septic tanks, distribution boxes).

Endpoint samples were analyzed for SCDHS analyte list SVOCs by USEPA Method 8270C and metals by USEPA Method 6010/7471. Endpoint sample analytical data are summarized in **Table 2**.

#### 3.1 Storm Drain Analytical Data

Endpoint soil samples were collected from each remediated storm drain (SD-10 and SD-13). SVOCs and metals were not detected at concentrations exceeding SCDHS Cleanup Objectives in endpoint samples collected storm drains SD-10 and SD-13.

#### 3.2 Sanitary System Analytical Data

Endpoint soil samples were collected from each remediated cesspool (7PLP, 9PLP, 9SLPB, 8PLP). No endpoint sample was collected from structure 10PLP, as during remediation this structure was determined to be a solid bottom distribution box, not a leaching structure as initially thought. SVOCs and metals were not detected at concentrations exceeding SCDHS Cleanup Objectives in samples collected from cesspools 7PLP, 9PLP, 9SLPB, and 8PLP.

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5.0 CONCLUSIONS AND RECOMMENDATIONS

PWGC implemented a remediation program for UIC structures at the Gyrodyne Property in Saint James, New York. The scope of work was based upon PWGC's UIC Remediation Work Plan for the site dated May 2011 and the requirements of SCDHS for the subject site.

The scope of work for remediation consisted of supplemental characterization sampling, and remediation of impacted storm water drywells and sanitary systems. Remedial activities were performed by AARCO Environmental of Deer Park, New York under the oversight of PWGC personnel.

5.1 Supplemental Characterization

During initial UIC characterization in 2008, PWGC collected samples only from primary cesspools at the site. Based on 2008 analytical data, additional characterization of secondary cesspools in sanitary systems 7, 8, 9, and 10 was necessary. Based on SCDHS requirements, characterization of the onsite storm water drainage system was necessary as well.

A total of 19 supplemental characterization samples were collected in May of 2011 from cesspools and storm drains at the site. In addition to the structures identified in 2008, supplemental characterization identified three structures that required remediation (SLP9B, SD-10, SD-13).

5.2 UIC Structure Remediation

Based upon the findings of initial and supplemental characterization sampling, SCDHS required the remediation of two storm water drywells (SD-10 and SD-13), five cesspools (7PLP, 8PLP, 9PLP, SLP9B, and 10PLP) and four septic tanks (ST-7, ST-8, ST-9, and ST-10).

A vacuum powered pump truck was used to remove liquids from structures requiring remediation (where present). Following removal of liquids (where present), a Guzzler was used to remove impacted sediments from each structure requiring remediation until visually clean/non-stained, native soils were encountered. SCDHS personnel were onsite to inspect each structure following remediation. Following removal of sediment from remediated UIC structures, confirmatory endpoint soil samples were collected from the base of each structure to document the effectiveness of the cleanout (excluding solid bottomed structures).

Remediated septic tanks were inspected to confirm the integrity of the concrete vaults. Based upon visual inspection, no visible cracks or penetrations in the vaults providing a pathway to the subsurface were identified in the remediated catch basins / septic tanks.

A total of 66.18 tons of non-hazardous soils were generated during remediation. Nonhazardous soils were transported to Earth Care's permitted Part 375 transfer facility in Deer Park. The soils were later transported with similar soils for final disposal.

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An estimated of 14,000 gallons of non-hazardous liquids were generated during remediation. Liquid wastes were removed and transported by Earth Care of Deer Park, New York and disposed of at SCDPW's Bergen Point Sewage treatment facility.

#### 5.3 Endpoint Sample Data

Endpoint soil samples were collected from each remediated structure (excluding solid bottom structures). Endpoint samples were analyzed for SVOCs and metals. For each structure remediated, contaminant concentrations in endpoint samples were below SCDHS Cleanup Objectives.

#### 5.4 Recommendations

Based on endpoint sample results, it appears that the remedial effort was successful, and PWGC recommends that a No Further Action letter be issued for the site.

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## **FIGURES**

APPROVED BY: TM
DATE: 6/8/2011
SCALE: AS SHOWN

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**TABLES** 

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Table 1A Characterization Sample Analytical Data - Volatile Organic Compounds Gyrodyne Property - St. James, NY

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Client Sample ID:	SCDHS	6-PLP	7-PLP	8-PLP	9-PLP	10-PLP	11-PLP	12-PLP	13-PLP	14-PLP	BLDG-2-SW
Laboratory Sample ID:	Action Level <sup>1</sup>	0805165-2	0805165-1	0804503-6	0804503-1	0804503-2	0804503-5	0804503-3	0804503-4	0804503-8	0804503-7
Sampling Date:		5/8/2008	5/8/2008	4/24/2008	4/24/2008	4/24/2008	4/24/2008	4/22/2008	4/20/2008	4/24/2008	4/20/2008
Analyte:											
1,1,1,2-Tetrachloroethane	600	1.06	3.99	301 U		3.12 U	3.21 U	2.59 U	0.59 U	2.91 U	0.54 U
1,1,1-Trichloroethane	1,400	1.20	4.51	332 U		3.53 U		2.92 U	0.67 U	3.29 U	0.61 U
1,1,2,2-Tetrachloroethane	800	1.38	5.21	262 U		4.07 U		3.37 U	0.77 U	3.80 U	0.71 U
1,1,2-Trichloroethane 1,1,2-Trichloro-1,2,2-Trifluoroethane	200 12,000	1.45	5.47 4.51	315 U 308 U		4.27 U 3.53 U		3.54 U 2.92 U	0.81 U 0.67 U	3.99 U 3.29 U	0.74 U 0.61 U
1,1-Dichloroethane	600	1.31	4.95	354 U		3.86 U		3.20 U	0.87 U	3.29 U	0.67 U
1,1-Dichloroethane	600	0.85	3.21	326 U		2.51 U		2.08 U	0.48 U	2.34 U	0.44 U
1,1-Dichloropropene	200	1.22	4.60	280 U	164 U	3.59 U		2.98 U	0.68 U	3.35 U	0.63 U
1,2,3-Trichlorobenzene	17,000	1.10	4.17	217 U	127 U	3.25 U		2.70 U	0.62 U	3.04 U	0.57 U
1,2,3-Trichloropropane	100	1.63	6.16	273 U		4.81 U		3.99 U	0.92 U	4.49 U	0.84 U
1,2,4,5-Tetramethylbenzene	18,000	0.92	8.13	3,490	348	6.74	2.79 U	187	0.52 U	2.53 U	0.47 U
1,2,4-Trichlorobenzene	17,000	0.78	2.95	234 U	137 U	2.31 U	2.37 U	14.4	0.44 U	2.15 U	0.40 U
1,2,4-Trimethylbenzene	7,200	7.30	89.80	1,450	363	29.5	2.58 U	817	0.48 U	2.34 U	0.44 U
1,2-Dibromo-3-chloropropane	100	1.06	3.99	262 U	154 U	3.12 U	3.21 U	2.59 U	0.59 U	2.91 U	0.54 U
1,2-Dibromoethane	600	1.36	5.12	273 U		4.00 U		3.32 U	0.76 U	3.73 U	0.70 U
1,2-Dichlorobenzene	2,200	1.08	4.08	280 U		3.19 U		539	0.61 U	6.86	0.55 U
1,2-Dichloroethane	100	1.33	5.03 5.12	340 U 312 U	199 U 182 U	3.93 U 4.00 U		3.26 U 3.32 U	0.75 U	3.67 U	0.68 U 0.70 U
1,2-Dichloropropane 1,3,5-Trimethylbenzene	100 16,800	1.36 2.62	32.80	626	182 U	4.00 U 20.7	4.11 U	3.32 U 297	0.76 U 0.57 U	3.73 U 2.79 U	0.70 U 0.52 U
1,3-b-irimetnyibenzene 1,3-Dichlorobenzene	4,800	1.22	4.60	626 270 U	168 U	3,59 U	3.69 U	66.1	0.57 U	3.35 U	0.52 U
1,3-Dichloropropane	600	1.20	4.51	270 U		3.53 U		2,92 U	0.67 U	3.29 U	0.63 U
1,4-Dichlorobenzene	3,600	1.75	17.80	1,640	739	41.6	3.35 U	1.470	0.62 U	9.82	0.57 U
2,2-Dichloropropane	600	1.36	5.12	304 U		4.00 U		3.32 U	0.76 U	3.73 U	0.70 U
2-Butanone	400	93.60	19.30	266 U		15.1 U	15.5 U	89.6	2.86 U	14.1 U	2.62 U
o-Chlorotoluene	5,200	1.22	4.60	290 U	170 U	3.59 U	3.69 U	2.98 U	0.68 U	3.35 U	0.63 U
p-Chlorotoluene	5,200	1.15	4.34	273 U	160 U	3.39 U		2.81 U	0.64 U	3.16 U	0.59 U
4-Methyl-2-pentanone	1,400	4.95	18.70	301 U	176 U	14.6 U	15.0 U	12.1 U	2.77 U	13.6 U	2.54 U
Acetone	**	201	126	406 U				605	57.5	16.5 U	
Benzene	120	1.22	4.60	308 U	180 U	3.59 U		19.7	0.68 U	3.35 U	0.63 U
Bromobenzene	2,800	1.17	4.43	280 U		3.46 U		2.87 U	0.66 U	3.23 U	0.60 U
Bromochloromethane	400	1.33	5.03	318 U		3.93 U		3.26 U	0.75 U	3.67 U	0.68 U
Bromodichloromethane	4,600	1.08	4.08 4.17	312 U 284 U	182 U 166 U	3.19 U 3.25 U		2.64 U 2.70 U	0.61 U	2.98 U 3.04 U	0.55 U 0.57 U
Bromoform  Carbon tetrachloride	13,000 1,600	1.10	4.17	284 U 315 U	166 U 184 U	3.25 U 3.80 U		2.70 U 3.15 U	0.62 U 0.72 U	3.04 U 3.54 U	0.57 U 0.66 U
Chlorobenzene	2,200	1.40	5.29	434	176 U	4.14 U		1,690	0.72 U	3.86 U	0.86 U
Chloroethane	400	1.61	6.08	504 U		4.75 U	1.20	3.93 U	0.90 U	4.43 U	0.83 U
Chloroform	800	3.18	6,94	340 U		4.00 U		3.32 U	0.76 U	3.73 U	0.70 U
cis-1,2-Dichloroethene	500	1.03	3.91	312 U	182 U	3.05 U	3.14 U	2.53 U	0.58 U	2.85 U	0.53 U
cis-1,3-Dichloropropene	100	1.17	4.43	304 U	178 U	3.46 U	3.55 U	2.87 U	0.66 U	3.23 U	0.60 U
Dibromochloromethane	6,200	1.06	3.99	290 U	170 U	3.12 U	3.21 U	2.59 U	0.59 U	2.91 U	0.54 U
Dibromomethane	400	1.82	6.86	318 U		5.36 U	5.51 U	4.44 U	1.02 U	5.00 U	0.93 U
Dichlorodifluoromethane	600	0.85	3.21	280 U		2.51 U		2.08 U	0.48 U	2.34 U	0.44 U
Ethylbenzene	2,000	1.20	26.60	312 U	182 U	3.53 U		38.6	0.67 U	3.29 U	0.61 U
Hexachlorobutadiene	54,000	1.10	4.17	276 U		3.25 U		2.70 U	0.62 U	3.04 U	0.57 U
Isopropylbenzene p/m-Xylene	9,400 3,200	1.01 2.07	3.82 136	301 U 609 U		4.49 13.4	3.07 U 6.27 U	37.4 147	0.57 U 1.16 U	2.79 U 5.70 U	0.52 U 1.06 U
Methyl tert butyl ether	200	1.20	4.51	308 U	180 U	3.53 U	3.62 U	2,92 U	0.67 U	3.29 U	0.61 U
Methylene chloride	100	2.16	8.16	378 U		8.26	8.02	5.28 U	1.21 U	10.1	1.11 U
n-Butylbenzene	12,000	1.82	4.17	1,390	183	3.25 U		197	0.62 U	3.04 U	0.57 U
n-Propylbenzene	8,000	1.06	12.50	536	166 U	8.8	3.21 U	134	0.59 U	2.91 U	0.54 U
Naphthalene	24,000	1.03	3.91	350	149	5.92	3.14 U	198	0.58 U	2.85 U	0.53 U
o-Xylene	3,200	0.09	54.50	298 U	174 U	2.64 U	2.72 U	57.6	0.50 U	2.47 U	0.46 U
1,4-Diethylbenzene	52,000	1.06	3.99	270 U		3.12 U		2.59 U	0.59 U	2.91 U	0.54 U
4-Ethyltoluene	9,000	4.45	72.80	537	166 U	25.3	2.93 U	466	0.54 U	2.66 U	0.50 U
p-Isopropyltoluene	22,000	10.20	10.20	711	166 U	5.49	3.28 U	338	0.61 U	10.1	0.55 U
sec-Butylbenzene	12,000	1.03	3.91	442	160 U	3.05 U	3.14 U	107	0.58 U	2.85 U	0.53 U
Styrene	9,200	0.99	3.73	284 U	166 U	2.92 U		2.42 U	0.55 U	2.72 U	0.51 U
tert-Butylbenzene	12,000	1.22	4.60	298 U	174 U	3.59 U		2.98 U	0.68 U	3.35 U	0.63 U
Tetrachloroethene Toluene	2,600	1.03	10.30 558	294 U 378 U		3.05 U 3.25 U	3.14 U 3.35 U	2.53 U 71	0.58 U	2.85 U 15.1	0.53 U 0.57 U
	3,000	1.06	10.30	3/8 U 332 U	3,320 195 U	3.25 U 3.12 U		2.59 U	0.59 U	15.1 2.91 U	0.5/ U 0.54 U
trans-1,2-Dichloroethene trans-1,3-Dichloropropene	400 100	0.97	3.65	276 U				2.36 U	0.54 U	2.91 U	0.54 U
Trichloroethylene	1,000	1.13	4.25	329 U		3.32 U		2.75 U	0.63 U	3.10 U	0.58 U
Trichlorofluoromethane	1,600	1.29	4.86	350 U	205 U	3.80 U		3.15 U	0.72 U	3.54 U	0.66 U
Vinyl chloride	100	1.56	5.90	287 U		4.61 U		3.82 U	0.88 U		0.80 U

All concentrations are ug/kg (ppb)

Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, July 2010.

\*\* Standard is determined on a case by case basis

Highlighted text denotes concentrations exceeding SCDHS Action Levels.

B - Indicates the analyte was detected in the method blank U - Indicates that the analyte was not detected above the laboratory MDL

J - Indicates an estimated value

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range. NS - Not Specified

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 Table 1B

 Characterization Sample Analytical Data - Semi-Volatile Organic Compounds

 Gyrodyne Property - St. James, NY

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Client Sample ID:	SCDHS	6-PLP	7-PLP	8-PLP	9-PLP	10-PLP	11-PLP	12-PLP	13-PLP	14-PLP	BLDG-2-SW	SD-1	SD-7
Laboratory Sample ID:	Action Level <sup>1</sup>	0805165-2	0805165-1	0804503-6	0804503-1	0804503-2	0804503-5	0804503-3	0804503-4	0804503-8	0804503-7	1105181-8	1105204-4
Sampling Date:	7 13 11 23 1 31	5/8/2008	5/8/2008	4/24/2008	4/24/2008	4/24/2008	4/24/2008	4/22/2008	4/20/2008	4/24/2008	4/20/2008	5/12/2011	5/13/2011
Analyte:													
Acenaphthene	200,000	48.4	73.1	138	137	118	58.7 U	218	54.3 U	53.3 U	49.6 U	301 U	536 U
Anthracene	200,000	51.2	77.3	125 U	73.1 U	105	62.1 U	199	57.3 U	56.3 U	52.4 U	318 U	567 U
Benzo(a)anthracene	2,000	48.7	73.4	232	69.5 U	223	144	295	54.5 U	53.5 U	49.8 U	302 U	539 U
Benzo(a)pyrene	44,000	60	90.5	166	85.6 U	153	143	210	67.1 U	65.9 U	61.4 U	372 U	664 U
Benzo(b)fluoranthene	3,400	47.8	72	153	68.1 U	139	94.7	240	53.5 U	52.5 U	48.9 U	368	529 U
Benzo(g,h,i)perylene	200,000	87.9	133	214 U	125 U	104 U	107 U	215 U	98.5 U	96.7 U	90.0 U	546 U	973 U
Benzo(k)fluoranthene	3,400	87.6	132	213 U	125 U	164	106 U	230	98.1 U	96.3 U	89.6 U	544 U	969 U
Chrysene	2,000	60.9	91.8	294	86.9 U	223	143	367	68.2 U	67.0 U	62.3 U	378 U	674 U
Dibenzo(a,h)anthracene	200,000	64.2	96.9	156 U	91.6 U	75.7 U	77.8 U	157 U	71.9 U	70.6 U	65.7 U	399 U	711 U
Fluoranthene	200,000	63.4	95.7	515	117	382	192	800	71.0 U	69.7 U	64.9 U	431	702 U
Fluorene	200,000	46.3	69.8	113 U	117	144	77.5	113 U	51.8 U	50.9 U	47.3 U	287 U	512 U
Indeno(1,2,3-cd)pyrene	16,000	53.2	80.2	129 U	75.9 U	62.7 U	64.4 U	130 U	59.5 U	58.5 U	54.4 U	330 U	589 U
Phenanthrene	200,000	52.4	79	1,400	372	518	258	1,140	87	57.6 U	57.1 U	325 U	580 U
Pyrene	200,000	42.6	64.2	531	150	320	164	760	49.1	46.8 U	43.6 U	396	471 U
Client Sample ID:	SCDHS	SD-8	SD-10	SD-11	SD-13	SD-14	SD-15	SD-19	MH-2	TD-1	CB-9	CB-18	
Laboratory Sample ID:	Action Level <sup>1</sup>	1105181-9	1105181-10	1105204-5	1105181-11	1105181-12	1105181-13	1105181-14	1105181-5	1105181-4	1105181-6	1105181-7	
Sampling Date:		5/12/2011	5/12/2011	5/13/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	
Analyte:													
Acenaphthene	200,000	583 U	399	722 U	342 U	110 U	118 U	449 U	591 U	285 U	122 U	123 U	
Anthracene	200,000	616 U	1,180	763 U	362 U	116 U	125 U	474 U	625 U	301 U	129 U	130 U	
Benzo(a)anthracene	2,000	586 U	3,510	726 U	2,020	932	946	451 U	594 U	286 U	122 U	124 U	
Benzo(a)pyrene	44,000	722 U	3,500	894 U	2,430	1,310	1,400	555 U	732 U	353 U	151 U	153 U	
Benzo(b)fluoranthene	3,400	575 U	4,200	712 U	4,030	2,610	2,450	442 U	583 U	281 U	217	122 U	
Benzo(g,h,i)perylene	200,000	1,060 U	617	1,310 U	1,080	316	478	814 U	1,070 U	517 U	221 U	224 U	
Benzo(k)fluoranthene	3,400	1,050 U	3,970	1,310 U	2,740	1,870	1,590	811 U	1,070 U	515 U	220 U	223 U	
Chrysene	2,000	733 U	4,110	907 U	3,660	1,740	1,750	564 U	743 U	358 U	153 U	155 U	
Dibenzo(a,h)anthracene	200,000	773 U	412 U	957 U	454 U	146 U	157 U	595 U	784 U	378 U	161 U	164 U	
Fluoranthene	200,000	763 U	9,900	945 U	6,240	3,080	3,080	587 U	774 U	438	415	162 U	
Fluorene	200,000	557 U	500	690 U	327 U	105 U	113 U	429 U	565 U	272 U	116 U	118 U	
Indeno(1,2,3-cd)pyrene	16,000	640 U	649	792 U	1,080	333	509	493 U	649 U	313 U	134 U	135 U	
Phenanthrene	200,000	630 U	6,410	780 U	1,980	892	912	485 U	639 U	308 U	364	133 U	
Pyrene	200,000	512 U	8,620	635 U	4,620	2,610	2,390	491	520 U	359	366	121	

#### Notes:

All concentrations are ug/kg (ppb)

Highlighted text denotes concentrations exceeding SCDHS Action Levels.

- B Indicates the analyte was detected in the method blank
- U Indicates that the analyte was not detected above the laboratory MDL
- J Indicates an estimated value
- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- NS Not Specified

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<sup>&</sup>lt;sup>1</sup> Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, July 2010.

<sup>\*\*</sup> Standard is determined on a case by case basis

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## **Table 1 C**Characterization Sample Analytical Data - Metals Gyrodyne Property - St. James, NY

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Client Sample ID:	SCDHS	6-PLP	7-PLP	8-PLP	8-SLPA	9-PLP	9-SLPA	9-SLPB	9-SLPC	10-PLP	10-SLPA	10-SLPB	11-PLP	12-PLP	13-PLP	14-PLP
Laboratory Sample ID:	Action Level <sup>1</sup>	0805165-2	0805165-1	0804503-6	1105181-1	0804503-1	1105204-1	1105181-3	1105181-2	0804503-2	1105204-2	1105204-3	0804503-5	0804503-3	0804503-4	0804503-8
Sampling Date:		5/8/2008	5/8/2008	4/24/2008	5/12/2011	4/24/2008	5/12/2011	5/12/2011	5/12/2011	4/24/2008	5/13/2011	5/12/2011	4/24/2008	4/22/2008	4/20/2008	4/24/2008
Analyte:																
Mercury	3.7	0.089	9.55	5.08	0.085	1.01	0.11	4.17	0.13	54.1	0.022	0.64	0.45	3.14	0.019	0.03
Arsenic	30	1.08 U	1.64 U	2.67 U	0.95 U	1.55 U	0.92 U	2.34 U	1.05 U	1.32 U	5.58	1.11 U	1.32 U	2.75 U	1.25 U	1.24
Barium	4,000	-	-	-	50.8	-	4.42	49	16.7	-	19.7	21.4	-	-	-	-
Beryllium	240	0.022 U	0.034 U	0.055 U	0.24 U	0.032 U	0.23 U	0.58 U	0.26 U	0.027 U	0.22 U	0.27 U	0.027 U	0.057 U	0.026 U	0.025
Cadmium	40	0.078 U	8.34	17	0.33 U	30.9	0.87	29.4	0.36 U	5.04	0.30 U	25.9	0.095 U	5.96	0.090 U	0.089
Chromium	100	5.82	113	162	7.85	7.95	3.76	108	9.31	47.7	9.11	16.9	6.5	77.1	2.69	4.86
Copper	8,500	10.7	267	305	18.2	203	50.7	279	25.5	505	13	293	81	811	42.9	15.6
Lead	2,000	13.6	92.5	335	10.3	94.9	5.87	69.8	4.55	304	2.46	72.9	199	170	2.7	5.48
Nickel	650	4.08	14.9	25.8	3.51	0.27 U	2.66	18.7	6.45	20.5	5.82	5.23	0.23 U	0.48 U	0.22 U	0.22
Silver	50	4.05	162	0.083 U	0.37 U	145	0.35 U	71.6	0.40 U	0.041 U	0.34 U	4.76	0.041 U	0.085 U	0.039 U	0.038
Zinc	NS	25.7	487	1,350	-	113	-	-	-	441	-	-	157	827	23.4	26.8
Client Sample ID:	SCDHS	BLDG-2-SW	SD-1	SD-7	SD-8	SD-10	SD-11	SD-13	SD-14	SD-15	SD-19	MH-2	TD-1	CB-9	CB-18	
Laboratory Sample ID:	Action Level <sup>1</sup>	0804503-7	1105181-8	1105204-4	1105181-9	1105181-10	1105204-5	1105181-11	1105181-12	1105181-13	1105181-14	1105181-5	1105181-4	1105181-6	1105181-7	
Sampling Date:		4/20/2008	5/12/2011	5/13/2011	5/12/2011	5/12/2011	5/13/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	5/12/2011	
Analyte:																
Mercury	3.7	0.03	0.058	0.031	0.039	0.04	0.03	0.19	0.031	0.058	0.029 U	0.05	0.18	0.092	0.055	
Arsenic	30	1.15 U	1.05 U	0.91 U	1.02 U	1.07 U	1.26 U	1.19 U	0.95 U	1.06 U	17.2	1.03 U	1.00 U	1.08 U	1.05 U	1
Barium	4,000	=	15.3	5.05	12.5	11.2	34.7	8.29	9.07	6.82	42.1	9.91	162	74.3	25.1	
Beryllium	240	0.024 U	0.26 U	0.22 U	0.25 U	0.26 U	0.31 U	0.29 U	0.23 U	0.26 U	0.39 U	0.25 U	0.25 U	0.27 U	0.26 U	1
Cadmium	40	0.083 U	0.36 U	0.31 U	0.35 U	0.78	0.43 U	0.67	0.33 U	0.36 U	0.54 U	0.35 U	2.69	1.36	1.78	1
Chromium	100	13.7	12.2	3.35	10.5	8.94	3.61	8.06	6.26	28.7	12.6	6.87	18.1	15.9	25.5	1
Copper	8,500	10.3	22.7	5.83	35.1	29.2	76.4	41	35.3	11.9	79	16.1	56.5	190	68.5	1
Lead	2,000	15.4	24.8	3.81	17.2	22.1	71.6	21.6	17.2	16.4	18.3	30.3	124	177	71	1
Nickel	650	0.20 U	5.6	1.73	5.66	6.23	2.86	6.99	3.34	4.16	6.85	3.24	11.1	24.3	9.15	1
Silver	50	0.036 U	0.40 U	0.35 U	0.39 U	0.41 U	0.48 U	0.46 U	0.37 U	0.40 U	0.61 U	0.39 U	0.38 U	0.41 U	0.40 U	
Zinc	NS	76.2	-	-	_	_	_	-	-	_	-	-	_	-	_	1

#### Notes:

All concentrations are mg/kg (ppm)

 $\label{thm:lighted} \mbox{Highlighted text denotes concentrations exceeding $CDH$\ Action Levels.}$ 

<sup>&</sup>lt;sup>1</sup> Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, July 2010.

<sup>\*\*</sup> Standard is determined on a case by case basis

B - Indicates the analyte was detected in the method blank

 $<sup>\</sup>mbox{\ensuremath{\mathsf{U}}}\mbox{-}\mbox{\ensuremath{\mathsf{I}}}\mbox{noticates that the analyte was not detected above the laboratory MDL}$ 

J - Indicates an estimated value

D - The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.

NS - Not Specified

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**Table 2A**Endpoint Sample Analytical Data - Semi-Volatile Organic Compounds
Gyrodyne Property - St. James, NY

Client Sample ID:	SCDHS	7 PLP	9 PLP	9 SLPB	8 PLP	SD10	SD13
Laboratory Sample ID:	Cleanup	1106444-1	1106444-2	1106444-3	1106444-4	1106444-5	1106444-6
Sampling Date:	Objective <sup>1</sup>	6/27/2011	6/27/2011	6/27/2011	6/27/2011	6/27/2011	6/27/2011
Analyte							
Acenaphthene	98,000	48.8 U	49.4 U	47.6 U	51.1 U	43.7 U	50.6 U
Anthracene	100,000	51.6 U	52.2 U	50.3 U	54 U	46.2 U	53.5 U
Benzo[a]anthracene	1,000	49.1 U	49.6 U	47.8 U	51.3 U	43.9 U	50.8 U
Benzo[a]pyrene	22,000	60.4 U	61.1 U	58.9 U	63.2 U	54 U	62.6 U
Benzo[b]fluoranthene	1,700	48.1 U	48.7 U	46.9 U	50.4 U	43 U	49.9 U
Benzo[g,h,i]perylene	100,000	88.6 U	89.6 U	86.3 U	92.7 U	79.3 U	91.8 U
Benzo[k]fluoranthene	1,700	88.3 U	89.2 U	86 U	92.4 U	78.9 U	91.5 U
Chrysene	1,000	61.4 U	62 U	59.8 U	64.2 U	54.9 U	63.6 U
Dibenz[a,h]anthracene	100,000	64.7 U	65.4 U	63.1 U	67.7 U	57.9 U	67.1 U
Fluoranthene	100,000	63.9 U	64.6 U	62.3 U	66.9 U	57.2 U	66.2 U
Fluorene	100,000	46.6 U	47.1 U	45.4 U	48.8 U	41.7 U	48.3 U
Indeno(1,2,3-cd)pyrene	8,000	53.6 U	54.2 U	52.2 U	56.1 U	47.9 U	55.5 U
Phenanthrene	100,000	52.8 U	53.3 U	51.4 U	55.2 U	47.2 U	54.7 U
Pyrene	100,000	42.9 U	43.4 U	41.8 U	44.9 U	38.4 U	44.5 U

#### Notes:

All concentrations are mg/kg (ppm)

Highlighted text denotes concentrations exceeding SCDHS Action Levels.

- B Indicates the analyte was detected in the method blank
- U Indicates that the analyte was not detected above the laboratory MDL
- J Indicates an estimated value
- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- NS Not Specified

Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, July 2010.

<sup>\*\*</sup> Standard is determined on a case by case basis

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**Table 2B**Endpoint Sample Analytical Data - Metals
Gyrodyne Property - St. James, NY

Client Sample ID:	SCDHS	7 PLP	9 PLP	9 SLPB	8 PLP	SD10	SD13
Laboratory Sample ID:	Cleanup	1106444-1	1106444-2	1106444-3	1106444-4	1106444-5	1106444-6
Sampling Date:	Objective <sup>1</sup>	6/27/2011	6/27/2011	6/27/2011	6/27/2011	6/27/2011	6/27/2011
Analyte							
Arsenic	6	0.83 U	0.85 U	0.82 U	0.91 U	3.39	0.85 U
Barium	820	16.4	12.7	9.06	18.3	2.62	34.2
Beryllium	47	0.2 U	0.21 U	0.2 U	0.23 U	0.19 U	0.21 U
Cadmium	7.5	0.62	0.29 U	0.34	0.31 U	0.26 U	0.29 U
Chromium	20	10.5	2.79	5.1	4.1	1.48	9.04
Copper	1,700	13.4	9.41	9.88	13.4	4.92	14.2
Lead	450	3.45	0.43 U	2.09	5.94	0.49	3.71
Mercury	0.7	0.023	0.018	0.016	0.078	0.014 U	0.019
Nickel	130	8.63	1.2 U	4.81	1.4	1.07 U	8.74
Silver	10	0.32 U	0.33 U	0.32 U	0.35 U	0.29 U	0.33 U

#### Notes:

All concentrations are mg/kg (ppm)

Highlighted text denotes concentrations exceeding SCDHS Action Levels.

- B Indicates the analyte was detected in the method blank
- U Indicates that the analyte was not detected above the laboratory MDL
- J Indicates an estimated value
- D The reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
- NS Not Specified

Action Levels & Cleanup Objectives, SCDHS Article 12 - SOP 9-95, July 2010.

<sup>\*\*</sup> Standard is determined on a case by case basis

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# APPENDIX A LABORATORY ANALYTICAL REPORTS

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Environmental Quality Services, Inc. 208 Route 109 Suite 101, Farmingdale NY 11735 Page G-312

Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

Laboratory Identifier: 1105204

Received: 5/13/2011 15:49 Sampled by: Derek Ersbak

Client: PW Grosser Consulting Engineers PC

630 Johnson Avenue - Suite 7 Bohemia, NY 11716-2618

Project: GCA1101

1 Flowerfield #24 St James, NY

Manager: Thomas Melia

Respectfully submitted,

Juan R.Cuba - Technical Director

NYS Lab ID # 10969 NJ Cert. # 73812 CT Cert. # PH0645 PA Cert. #002

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**Environmental Quality Services, Inc.** Page G-313

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

## **SCDOH Semivolatile Compounds**

Sample: 1105204-4

Collected: 5/13/2011 14:10 Client Sample ID: SD-7

Type: Grab Matrix: Soil % Solid: 78.5%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/18/2011 Preparation Date(s): 5/17/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2651-1028	536	ND	ug/Kg	U
120-12-7	Anthracene	C2651-1028	567	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2651-1028	539	ND	ug/Kg	U
50-32-8	Benzo[a]pyrene	C2651-1028	664	ND	ug/Kg	U
205-99-2	Benzo[b]fluoranthene	C2651-1028	529	ND	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	C2651-1028	973	ND	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	C2651-1028	969	ND	ug/Kg	U
218-01-9	Chrysene	C2651-1028	674	ND	ug/Kg	U
53-70-3	Dibenz[a,h]anthracene	C2651-1028	711	ND	ug/Kg	U
206-44-0	Fluoranthene	C2651-1028	702	ND	ug/Kg	U
86-73-7	Fluorene	C2651-1028	512	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2651-1028	589	ND	ug/Kg	U
85-01-8	Phenanthrene	C2651-1028	580	ND	ug/Kg	U
129-00-0	Pyrene	C2651-1028	471	ND	ug/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

#### **Surrogate Results**

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2651-1028	15.6 %	( 19 - 122)	D
321-60-8	2-FLUOROBIPHENYL	C2651-1028	38.5 %	( 30 - 115)	
367-12-4	2-FLUOROPHENOL	C2651-1028	42.4 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2651-1028	39.8 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2651-1028	49.2 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2651-1028	43.0 %	( 18 - 137)	

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#### **Environmental Quality Services, Inc.** Page G-314

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### **SCDOH Semivolatile Compounds**

Sample: 1105204-5

Collected: 5/13/2011 14:15 Client Sample ID: SD-11

Type: Grab Matrix: Soil % Solid: 58.3%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/18/2011 Preparation Date(s): 5/17/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2651-1029	722	ND	ug/Kg	U
120-12-7	Anthracene	C2651-1029	763	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2651-1029	726	ND	ug/Kg	U
50-32-8	Benzo[a]pyrene	C2651-1029	894	ND	ug/Kg	U
205-99-2	Benzo[b]fluoranthene	C2651-1029	712	ND	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	C2651-1029	1310	ND	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	C2651-1029	1310	ND	ug/Kg	U
218-01-9	Chrysene	C2651-1029	907	ND	ug/Kg	U
53-70-3	Dibenz[a,h]anthracene	C2651-1029	957	ND	ug/Kg	U
206-44-0	Fluoranthene	C2651-1029	945	ND	ug/Kg	U
86-73-7	Fluorene	C2651-1029	690	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2651-1029	792	ND	ug/Kg	U
85-01-8	Phenanthrene	C2651-1029	780	ND	ug/Kg	U
129-00-0	Pyrene	C2651-1029	635	ND	ug/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2651-1029	20.8 %	( 19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2651-1029	23.0 %	( 30 - 115)	D
367-12-4	2-FLUOROPHENOL	C2651-1029	30.1 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2651-1029	23.0 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2651-1029	29.1 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2651-1029	24.7 %	( 18 - 137)	

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## Environmental Quality Services, Inc. Page G-315

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

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## Mercury by SW846 7470/7471/EPA 245.1

Sample: 1105204-1

Client Sample ID: 9SLPA Collected: 5/13/2011 14:29

Matrix: Soil Type: Grab % Solid: 79.2%

Remarks:

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.017	0.11	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105204-2

Client Sample ID: 9SLPB Collected: 5/13/2011 14:20

Matrix: Soil Type: Grab % Solid: 31.1%

Remarks: Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.084	4.17	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105204-3

Client Sample ID: 10SLPA Collected: 5/13/2011 14:30

Matrix: Soil Type: Grab % Solid: 82.7%

Remarks: Analyzed Date: 5/17/2011

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

Cas No	Analyte	MDL	Result*	Units	Q	
7439-97-6	Mercury	0.017	0.022	mg/Kg		1

<sup>\*</sup> Results are reported on a dry weight basis

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## Environmental Quality Services, Inc. Page G-316

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

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## Mercury by SW846 7470/7471/EPA 245.1

Sample: 1105204-4

Client Sample ID: SD-7 Collected: 5/13/2011 14:10

Matrix: Soil Type: Grab % Solid: 78.5%

Remarks:

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.017	0.031	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105204-5

Client Sample ID: SD-11 Collected: 5/13/2011 14:15

Matrix: Soil Type: Grab % Solid: 58.3%

Remarks: Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.023	0.030	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

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#### **Environmental Quality Services, Inc.** Page G-317

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### SCDOH Metals SW846 6010/EPA 200.7

Sample: 1105204-1

Client Sample ID: 9SLPA Collected: 5/13/2011 14:29

Matrix: Soil Type: Grab % Solid: 79.2%

Remarks:

Analyzed Date: 5/19/2011 Preparation Date(s): 5/18/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	0.92	ND	mg/Kg	U
7440-39-3	Barium	0.39	4.42	mg/Kg	
7440-41-7	Beryllium	0.23	ND	mg/Kg	U
7440-43-9	Cadmium	0.32	0.87	mg/Kg	
7440-47-3	Chromium	0.24	3.76	mg/Kg	
7440-50-8	Copper	1.02	50.7	mg/Kg	
7439-92-1	Lead	0.47	5.87	mg/Kg	
7440-02-0	Nickel	1.30	2.66	mg/Kg	
7440-22-4	Silver	0.35	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105204-2

Collected: 5/13/2011 14:20 Client Sample ID: 9SLPB

Matrix: Soil Type: Grab % Solid: 31.1%

Remarks:

Analyzed Date: 5/19/2011 Preparation Date(s): 5/18/2011

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	2.34	ND	mg/Kg	U
7440-39-3	Barium	0.99	49.0	mg/Kg	
7440-41-7	Beryllium	0.58	ND	mg/Kg	U
7440-43-9	Cadmium	0.80	29.4	mg/Kg	
7440-47-3	Chromium	0.61	108	mg/Kg	
7440-50-8	Copper	2.59	279	mg/Kg	
7439-92-1	Lead	1.19	69.8	mg/Kg	
7440-02-0	Nickel	3.30	18.7	mg/Kg	
7440-22-4	Silver	0.90	71.6	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis



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#### **Environmental Quality Services, Inc.** Page G-318

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### SCDOH Metals SW846 6010/EPA 200.7

Sample: 1105204-3

Client Sample ID: 10SLPA Collected: 5/13/2011 14:30

Matrix: Soil Type: Grab % Solid: 82.7%

Remarks:

Analyzed Date: 5/19/2011 Preparation Date(s): 5/18/2011

## **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	0.89	5.58	mg/Kg	
7440-39-3	Barium	0.38	19.7	mg/Kg	
7440-41-7	Beryllium	0.22	ND	mg/Kg	U
7440-43-9	Cadmium	0.30	ND	mg/Kg	U
7440-47-3	Chromium	0.23	9.11	mg/Kg	
7440-50-8	Copper	0.98	13.0	mg/Kg	
7439-92-1	Lead	0.45	2.46	mg/Kg	
7440-02-0	Nickel	1.25	5.82	mg/Kg	
7440-22-4	Silver	0.34	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105204-4

Client Sample ID: SD-7 Collected: 5/13/2011 14:10

Matrix: Soil Type: Grab % Solid: 78.5%

Remarks:

Analyzed Date: 5/19/2011 Preparation Date(s): 5/18/2011

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	0.91	ND	mg/Kg	U
7440-39-3	Barium	0.39	5.05	mg/Kg	
7440-41-7	Beryllium	0.22	ND	mg/Kg	U
7440-43-9	Cadmium	0.31	ND	mg/Kg	U
7440-47-3	Chromium	0.24	3.35	mg/Kg	
7440-50-8	Copper	1.01	5.83	mg/Kg	
7439-92-1	Lead	0.46	3.81	mg/Kg	
7440-02-0	Nickel	1.28	1.73	mg/Kg	
7440-22-4	Silver	0.35	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis



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#### **Environmental Quality Services, Inc.** Page G-319

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### SCDOH Metals SW846 6010/EPA 200.7

Sample: 1105204-5

Collected: 5/13/2011 14:15 Client Sample ID: SD-11

Type: Grab Matrix: Soil % Solid: 58.3%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/19/2011 Preparation Date(s): 5/18/2011

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.26	ND	mg/Kg	U
7440-39-3	Barium	0.53	34.7	mg/Kg	
7440-41-7	Beryllium	0.31	ND	mg/Kg	U
7440-43-9	Cadmium	0.43	ND	mg/Kg	U
7440-47-3	Chromium	0.33	3.61	mg/Kg	
7440-50-8	Copper	1.40	76.4	mg/Kg	
7439-92-1	Lead	0.64	71.6	mg/Kg	
7440-02-0	Nickel	1.78	2.86	mg/Kg	
7440-22-4	Silver	0.48	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

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## **Environmental Quality Services, Inc.**

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5/20/2011

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#### **ORGANIC METHOD QUALIFIERS**

- Q Qualifier specified entries and their meanings are as follows:
  - U The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.
  - J Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
  - B The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
  - E The concentration of the analyte exceeded the calibration range of the instrument.
  - D This flag indicates a system monitoring compound diluted out.

#### **INORGANIC METHOD QUALIFIERS**

- C (Concentration) qualifiers are as follows:
  - B Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).
  - U Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.
- Q Qualifier specific entries and their meanings are as follows:
  - E Reported value is estimated because of the presence of interferences.
- M (Method) qualifiers are as follows:
  - AS Semi-automated Spectrophotometric
  - AV Automated Cold Vapor AA
  - C Manual Spectrophotometric
  - P ICP
  - T Titrimetric

#### **OTHER QUALIFIERS**

ND - Not Detected



- 1105204 -

COUNTY CLERK 06/14/2022

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Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

**Laboratory Identifier: 1105181** 

Received: 5/12/2011 16:41

Sampled by: Derek Ersbak/Niccolas H

Client: PW Grosser Consulting Engineers PC

630 Johnson Avenue - Suite 7 Bohemia, NY 11716-2618

Project: GCA1101

1 Flowerfield #24 St James, NY

Manager: Thomas Melia

Respectfully submitted,

Juan R.Cuba - Technical Director

NYS Lab ID # 10969 NJ Cert. # 73812 CT Cert. # PH0645 PA Cert. #002

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#### **Environmental Quality Services, Inc.** Page G-322

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### **SCDOH Semivolatile Compounds**

Sample: 1105181-5

Client Sample ID: MH-2 Collected: 5/12/2011 12:31

Type: Grab Matrix: Soil % Solid: 71.2%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/18/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2651-1037	591	ND	ug/Kg	U
120-12-7	Anthracene	C2651-1037	625	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2651-1037	594	ND	ug/Kg	U
50-32-8	Benzo[a]pyrene	C2651-1037	732	ND	ug/Kg	U
205-99-2	Benzo[b]fluoranthene	C2651-1037	583	ND	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	C2651-1037	1070	ND	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	C2651-1037	1070	ND	ug/Kg	U
218-01-9	Chrysene	C2651-1037	743	ND	ug/Kg	U
53-70-3	Dibenz[a,h]anthracene	C2651-1037	784	ND	ug/Kg	U
206-44-0	Fluoranthene	C2651-1037	774	ND	ug/Kg	U
86-73-7	Fluorene	C2651-1037	565	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2651-1037	649	ND	ug/Kg	U
85-01-8	Phenanthrene	C2651-1037	639	ND	ug/Kg	U
129-00-0	Pyrene	C2651-1037	520	ND	ug/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2651-1037	.0 %	( 19 - 122)	D
321-60-8	2-FLUOROBIPHENYL	C2651-1037	34.4 %	( 30 - 115)	
367-12-4	2-FLUOROPHENOL	C2651-1037	7.7 %	( 25 - 121)	D
4165-60-0	NITROBENZENE-D5	C2651-1037	34.1 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2651-1037	24.8 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2651-1037	38.7 %	( 18 - 137)	

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**Environmental Quality Services, Inc.** Page G-323

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

## **SCDOH Semivolatile Compounds**

Sample: 1105181-6

Collected: 5/12/2011 12:35 Client Sample ID: CB-9

Type: Grab Matrix: Soil % Solid: 69.2%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/18/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2651-1038	122	ND	ug/Kg	U
120-12-7	Anthracene	C2651-1038	129	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2651-1038	122	ND	ug/Kg	U
50-32-8	Benzo[a]pyrene	C2651-1038	151	ND	ug/Kg	U
205-99-2	Benzo[b]fluoranthene	C2651-1038	120	217	ug/Kg	J
191-24-2	Benzo[g,h,i]perylene	C2651-1038	221	ND	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	C2651-1038	220	ND	ug/Kg	U
218-01-9	Chrysene	C2651-1038	153	ND	ug/Kg	U
53-70-3	Dibenz[a,h]anthracene	C2651-1038	161	ND	ug/Kg	U
206-44-0	Fluoranthene	C2651-1038	159	415	ug/Kg	J
86-73-7	Fluorene	C2651-1038	116	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2651-1038	134	ND	ug/Kg	U
85-01-8	Phenanthrene	C2651-1038	132	364	ug/Kg	J
129-00-0	Pyrene	C2651-1038	107	366	ug/Kg	J

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2651-1038	41.6 %	( 19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2651-1038	42.3 %	( 30 - 115)	
367-12-4	2-FLUOROPHENOL	C2651-1038	42.7 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2651-1038	44.2 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2651-1038	42.6 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2651-1038	48.9 %	( 18 - 137)	

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#### **Environmental Quality Services, Inc.** Page G-324

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### **SCDOH Semivolatile Compounds**

Sample: 1105181-7

Client Sample ID: CB-18 Collected: 5/12/2011 13:28

Type: Grab Matrix: Soil % Solid: 68.2%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/18/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2651-1039	123	ND	ug/Kg	U
120-12-7	Anthracene	C2651-1039	130	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2651-1039	124	ND	ug/Kg	U
50-32-8	Benzo[a]pyrene	C2651-1039	153	ND	ug/Kg	U
205-99-2	Benzo[b]fluoranthene	C2651-1039	122	ND	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	C2651-1039	224	ND	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	C2651-1039	223	ND	ug/Kg	U
218-01-9	Chrysene	C2651-1039	155	ND	ug/Kg	U
53-70-3	Dibenz[a,h]anthracene	C2651-1039	164	ND	ug/Kg	U
206-44-0	Fluoranthene	C2651-1039	162	ND	ug/Kg	U
86-73-7	Fluorene	C2651-1039	118	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2651-1039	135	ND	ug/Kg	U
85-01-8	Phenanthrene	C2651-1039	133	ND	ug/Kg	U
129-00-0	Pyrene	C2651-1039	109	121	ug/Kg	J

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2651-1039	47.0 %	( 19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2651-1039	43.8 %	( 30 - 115)	
367-12-4	2-FLUOROPHENOL	C2651-1039	43.9 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2651-1039	44.5 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2651-1039	43.4 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2651-1039	53.1 %	( 18 - 137)	

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### **SCDOH Semivolatile Compounds**

Sample: 1105181-8

Collected: 5/12/2011 12:48 Client Sample ID: SD-1

Type: Grab Matrix: Soil % Solid: 70%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/18/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2651-1040	301	ND	ug/Kg	U
120-12-7	Anthracene	C2651-1040	318	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2651-1040	302	ND	ug/Kg	U
50-32-8	Benzo[a]pyrene	C2651-1040	372	ND	ug/Kg	U
205-99-2	Benzo[b]fluoranthene	C2651-1040	296	368	ug/Kg	J
191-24-2	Benzo[g,h,i]perylene	C2651-1040	546	ND	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	C2651-1040	544	ND	ug/Kg	U
218-01-9	Chrysene	C2651-1040	378	ND	ug/Kg	U
53-70-3	Dibenz[a,h]anthracene	C2651-1040	399	ND	ug/Kg	U
206-44-0	Fluoranthene	C2651-1040	394	431	ug/Kg	J
86-73-7	Fluorene	C2651-1040	287	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2651-1040	330	ND	ug/Kg	U
85-01-8	Phenanthrene	C2651-1040	325	ND	ug/Kg	U
129-00-0	Pyrene	C2651-1040	264	396	ug/Kg	J

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2651-1040	36.5 %	( 19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2651-1040	39.4 %	( 30 - 115)	
367-12-4	2-FLUOROPHENOL	C2651-1040	41.1 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2651-1040	40.4 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2651-1040	40.3 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2651-1040	46.5 %	( 18 - 137)	

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5/20/2011

#### **SCDOH Semivolatile Compounds**

Sample: 1105181-9

Client Sample ID: SD-8 Collected: 5/12/2011 12:57

Type: Grab Matrix: Soil % Solid: 72.2%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/19/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2653-1060	583	ND	ug/Kg	U
120-12-7	Anthracene	C2653-1060	616	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2653-1060	586	ND	ug/Kg	U
50-32-8	Benzo[a]pyrene	C2653-1060	722	ND	ug/Kg	U
205-99-2	Benzo[b]fluoranthene	C2653-1060	575	ND	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	C2653-1060	1060	ND	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	C2653-1060	1050	ND	ug/Kg	U
218-01-9	Chrysene	C2653-1060	733	ND	ug/Kg	U
53-70-3	Dibenz[a,h]anthracene	C2653-1060	773	ND	ug/Kg	U
206-44-0	Fluoranthene	C2653-1060	763	ND	ug/Kg	U
86-73-7	Fluorene	C2653-1060	557	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2653-1060	640	ND	ug/Kg	U
85-01-8	Phenanthrene	C2653-1060	630	ND	ug/Kg	U
129-00-0	Pyrene	C2653-1060	512	ND	ug/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2653-1060	19.3 %	( 19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2653-1060	26.8 %	( 30 - 115)	D
367-12-4	2-FLUOROPHENOL	C2653-1060	28.4 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2653-1060	30.7 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2653-1060	29.7 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2653-1060	27.2 %	( 18 - 137)	

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

## **SCDOH Semivolatile Compounds**

Sample: 1105181-10

Collected: 5/12/2011 14:05 Client Sample ID: SD-10

Type: Grab Matrix: Soil % Solid: 67.8%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/18/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2651-1042	310	399	ug/Kg	J
120-12-7	Anthracene	C2651-1042	328	1180	ug/Kg	J
56-55-3	Benzo[a]anthracene	C2651-1042	312	3510	ug/Kg	J
50-32-8	Benzo[a]pyrene	C2651-1042	384	3500	ug/Kg	J
205-99-2	Benzo[b]fluoranthene	C2651-1042	306	4200	ug/Kg	
191-24-2	Benzo[g,h,i]perylene	C2651-1042	563	617	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2651-1042	561	3970	ug/Kg	
218-01-9	Chrysene	C2651-1042	390	4110	ug/Kg	
53-70-3	Dibenz[a,h]anthracene	C2651-1042	412	ND	ug/Kg	U
206-44-0	Fluoranthene	C2651-1042	406	9900	ug/Kg	
86-73-7	Fluorene	C2651-1042	296	500	ug/Kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	C2651-1042	341	649	ug/Kg	J
85-01-8	Phenanthrene	C2651-1042	336	6410	ug/Kg	
129-00-0	Pyrene	C2651-1042	273	8620	ug/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2651-1042	39.2 %	( 19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2651-1042	41.4 %	( 30 - 115)	
367-12-4	2-FLUOROPHENOL	C2651-1042	42.0 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2651-1042	42.4 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2651-1042	42.7 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2651-1042	48.5 %	( 18 - 137)	

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### **SCDOH Semivolatile Compounds**

Sample: 1105181-11

Collected: 5/12/2011 13:40 Client Sample ID: SD-13

Type: Grab Matrix: Soil % Solid: 61.5%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/19/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2653-1061	342	ND	ug/Kg	U
120-12-7	Anthracene	C2653-1061	362	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2653-1061	344	2020	ug/Kg	J
50-32-8	Benzo[a]pyrene	C2653-1061	424	2430	ug/Kg	J
205-99-2	Benzo[b]fluoranthene	C2653-1061	337	4030	ug/Kg	J
191-24-2	Benzo[g,h,i]perylene	C2653-1061	621	1080	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2653-1061	619	2740	ug/Kg	J
218-01-9	Chrysene	C2653-1061	430	3660	ug/Kg	J
53-70-3	Dibenz[a,h]anthracene	C2653-1061	454	ND	ug/Kg	U
206-44-0	Fluoranthene	C2653-1061	448	6240	ug/Kg	
86-73-7	Fluorene	C2653-1061	327	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2653-1061	376	1080	ug/Kg	J
85-01-8	Phenanthrene	C2653-1061	370	1980	ug/Kg	J
129-00-0	Pyrene	C2653-1061	301	4620	ug/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2653-1061	24.0 %	( 19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2653-1061	27.0 %	( 30 - 115)	D
367-12-4	2-FLUOROPHENOL	C2653-1061	29.8 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2653-1061	28.0 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2653-1061	28.0 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2653-1061	27.9 %	( 18 - 137)	

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208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### **SCDOH Semivolatile Compounds**

Sample: 1105181-12

Collected: 5/12/2011 13:51 Client Sample ID: SD-14

Type: Grab Matrix: Soil % Solid: 76.5%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/18/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2651-1044	110	ND	ug/Kg	U
120-12-7	Anthracene	C2651-1044	116	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2651-1044	111	932	ug/Kg	J
50-32-8	Benzo[a]pyrene	C2651-1044	136	1310	ug/Kg	
205-99-2	Benzo[b]fluoranthene	C2651-1044	108	2610	ug/Kg	
191-24-2	Benzo[g,h,i]perylene	C2651-1044	200	316	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2651-1044	199	1870	ug/Kg	
218-01-9	Chrysene	C2651-1044	138	1740	ug/Kg	
53-70-3	Dibenz[a,h]anthracene	C2651-1044	146	ND	ug/Kg	U
206-44-0	Fluoranthene	C2651-1044	144	3080	ug/Kg	
86-73-7	Fluorene	C2651-1044	105	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2651-1044	121	333	ug/Kg	J
85-01-8	Phenanthrene	C2651-1044	119	892	ug/Kg	J
129-00-0	Pyrene	C2651-1044	96.7	2610	ug/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2651-1044	37.3 %	( 19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2651-1044	36.4 %	( 30 - 115)	
367-12-4	2-FLUOROPHENOL	C2651-1044	39.8 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2651-1044	38.0 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2651-1044	38.9 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2651-1044	44.9 %	( 18 - 137)	

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**Environmental Quality Services, Inc.** Page G-330

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

## **SCDOH Semivolatile Compounds**

Sample: 1105181-13

Collected: 5/12/2011 13:56 Client Sample ID: SD-15

Type: Grab Matrix: Soil % Solid: 71.3%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/19/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2653-1063	118	ND	ug/Kg	U
120-12-7	Anthracene	C2653-1063	125	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2653-1063	119	946	ug/Kg	J
50-32-8	Benzo[a]pyrene	C2653-1063	146	1400	ug/Kg	J
205-99-2	Benzo[b]fluoranthene	C2653-1063	116	2450	ug/Kg	
191-24-2	Benzo[g,h,i]perylene	C2653-1063	214	478	ug/Kg	J
207-08-9	Benzo[k]fluoranthene	C2653-1063	213	1590	ug/Kg	
218-01-9	Chrysene	C2653-1063	148	1750	ug/Kg	
53-70-3	Dibenz[a,h]anthracene	C2653-1063	157	ND	ug/Kg	U
206-44-0	Fluoranthene	C2653-1063	155	3080	ug/Kg	
86-73-7	Fluorene	C2653-1063	113	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2653-1063	130	509	ug/Kg	J
85-01-8	Phenanthrene	C2653-1063	128	912	ug/Kg	J
129-00-0	Pyrene	C2653-1063	104	2390	ug/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2653-1063	78.4 %	( 19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2653-1063	71.5 %	( 30 - 115)	
367-12-4	2-FLUOROPHENOL	C2653-1063	70.7 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2653-1063	68.0 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2653-1063	70.4 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2653-1063	77.6 %	( 18 - 137)	

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**Environmental Quality Services, Inc.** Page G-331

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### **SCDOH Semivolatile Compounds**

Sample: 1105181-14

Collected: 5/12/2011 13:22 Client Sample ID: SD-19

Type: Grab Matrix: Soil % Solid: 46.9%

Remarks:

NYSCEF DOC. NO. 51

Analyzed Date: 5/19/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	File ID	MDL	Result*	Units	Q
83-32-9	Acenaphthene	C2653-1064	449	ND	ug/Kg	U
120-12-7	Anthracene	C2653-1064	474	ND	ug/Kg	U
56-55-3	Benzo[a]anthracene	C2653-1064	451	ND	ug/Kg	U
50-32-8	Benzo[a]pyrene	C2653-1064	555	ND	ug/Kg	U
205-99-2	Benzo[b]fluoranthene	C2653-1064	442	ND	ug/Kg	U
191-24-2	Benzo[g,h,i]perylene	C2653-1064	814	ND	ug/Kg	U
207-08-9	Benzo[k]fluoranthene	C2653-1064	811	ND	ug/Kg	U
218-01-9	Chrysene	C2653-1064	564	ND	ug/Kg	U
53-70-3	Dibenz[a,h]anthracene	C2653-1064	595	ND	ug/Kg	U
206-44-0	Fluoranthene	C2653-1064	587	ND	ug/Kg	U
86-73-7	Fluorene	C2653-1064	429	ND	ug/Kg	U
193-39-5	Indeno(1,2,3-cd)pyrene	C2653-1064	493	ND	ug/Kg	U
85-01-8	Phenanthrene	C2653-1064	485	ND	ug/Kg	U
129-00-0	Pyrene	C2653-1064	394	491	ug/Kg	J

<sup>\*</sup> Results are reported on a dry weight basis

Cas No	Analyte	File ID	% Recovery	QC Limits	Q
118-76-6	2,4,6-TRIBROMOPHENOL	C2653-1064	26.3 %	( 19 - 122)	
321-60-8	2-FLUOROBIPHENYL	C2653-1064	26.5 %	( 30 - 115)	D
367-12-4	2-FLUOROPHENOL	C2653-1064	28.5 %	( 25 - 121)	
4165-60-0	NITROBENZENE-D5	C2653-1064	28.1 %	( 23 - 120)	
13127-88-3	PHENOL-D6	C2653-1064	27.0 %	( 24 - 113)	
1718-51-0	TERPHENYL-D14	C2653-1064	28.8 %	( 18 - 137)	

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## Environmental Quality Services, Inc. Page G-332

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

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## Mercury by SW846 7470/7471/EPA 245.1

Sample: 1105181-1

Client Sample ID: 8SLPA Collected: 5/12/2011 12:17

Matrix: Soil Type: Grab % Solid: 76.6%

Remarks:

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.019	0.085	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-2

Client Sample ID: 9SLPC Collected: 5/12/2011 11:43

Matrix: Soil Type: Grab % Solid: 70.1%

Remarks: Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.019	0.13	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-3

Client Sample ID: 10SLPB Collected: 5/12/2011 11:55

Matrix: Soil Type: Grab % Solid: 67%

Remarks: Analyzed Date: 5/17/201

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.020	0.64	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

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## Environmental Quality Services, Inc. Page G-333

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5/20/2011

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## Mercury by SW846 7470/7471/EPA 245.1

Sample: 1105181-4

Client Sample ID: TD-1 Collected: 5/12/2011 13:02

Matrix: Soil Type: Grab % Solid: 73.9%

Remarks:

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.019	0.18	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-5

Client Sample ID: MH-2 Collected: 5/12/2011 12:31

Matrix: Soil Type: Grab % Solid: 71.2%

Remarks: Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

## **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.019	0.050	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-6

Client Sample ID: CB-9 Collected: 5/12/2011 12:35

Matrix: Soil Type: Grab % Solid: 69.2%

Remarks:

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.020	0.092	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

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# Environmental Quality Services, Inc. Page G-334

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

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### Mercury by SW846 7470/7471/EPA 245.1

Sample: 1105181-7

Client Sample ID: CB-18 Collected: 5/12/2011 13:28

Matrix: Soil Type: Grab % Solid: 68.2%

Remarks:

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.019	0.055	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-8

Client Sample ID: SD-1 Collected: 5/12/2011 12:48

Matrix: Soil Type: Grab % Solid: 70%

Remarks: Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

# **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.019	0.058	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-9

Client Sample ID: SD-8 Collected: 5/12/2011 12:57

Matrix: Soil Type: Grab % Solid: 72.2%

Remarks:

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.019	0.039	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

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# Environmental Quality Services, Inc. Page G-335

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### Mercury by SW846 7470/7471/EPA 245.1

Sample: 1105181-10

Client Sample ID: SD-10 Collected: 5/12/2011 14:05

Matrix: Soil Type: Grab % Solid: 67.8%

Remarks:

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.020	0.040	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-11

Client Sample ID: SD-13 Collected: 5/12/2011 13:40

Matrix: Soil Type: Grab % Solid: 61.5%

Remarks: Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

# **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.023	0.19	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-12

Client Sample ID: SD-14 Collected: 5/12/2011 13:51

Matrix: Soil Type: Grab % Solid: 76.5%

Remarks: Analyzed Date: 5/17

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.018	0.031	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

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#### **Environmental Quality Services, Inc.** Page G-336

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

# Mercury by SW846 7470/7471/EPA 245.1

Sample: 1105181-13

Client Sample ID: SD-15 Collected: 5/12/2011 13:56

Matrix: Soil Type: Grab % Solid: 71.3%

Remarks:

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7439-97-6	Mercury	0.019	0.058	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-14

Client Sample ID: SD-19 Collected: 5/12/2011 13:22

Matrix: Soil Type: Grab % Solid: 46.9%

Remarks:

Analyzed Date: 5/17/2011 Preparation Date(s): 5/13/2011

Cas No	Analyte	MDL	Result*	Units	Q	
7439-97-6	Mercury	0.029	ND	mg/Kg	U	

<sup>\*</sup> Results are reported on a dry weight basis

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# Environmental Quality Services, Inc. Page G-337

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### SCDOH Metals SW846 6010/EPA 200.7

Sample: 1105181-1

Client Sample ID: 8SLPA Collected: 5/12/2011 12:17

Matrix: Soil Type: Grab % Solid: 76.6%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	0.95	ND	mg/Kg	U
7440-39-3	Barium	0.41	50.8	mg/Kg	
7440-41-7	Beryllium	0.24	ND	mg/Kg	U
7440-43-9	Cadmium	0.33	ND	mg/Kg	U
7440-47-3	Chromium	0.25	7.85	mg/Kg	
7440-50-8	Copper	1.06	18.2	mg/Kg	
7439-92-1	Lead	0.48	10.3	mg/Kg	
7440-02-0	Nickel	1.35	3.51	mg/Kg	
7440-22-4	Silver	0.37	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-2

Client Sample ID: 9SLPC Collected: 5/12/2011 11:43

Matrix: Soil Type: Grab % Solid: 70.1%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.05	ND	mg/Kg	U
7440-39-3	Barium	0.45	16.7	mg/Kg	
7440-41-7	Beryllium	0.26	ND	mg/Kg	U
7440-43-9	Cadmium	0.36	ND	mg/Kg	U
7440-47-3	Chromium	0.27	9.31	mg/Kg	
7440-50-8	Copper	1.17	25.5	mg/Kg	
7439-92-1	Lead	0.53	4.55	mg/Kg	
7440-02-0	Nickel	1.49	6.45	mg/Kg	
7440-22-4	Silver	0.40	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis



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**Environmental Quality Services, Inc.** Page G-338

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### SCDOH Metals SW846 6010/EPA 200.7

Sample: 1105181-3

Client Sample ID: 10SLPB Collected: 5/12/2011 11:55

Matrix: Soil Type: Grab % Solid: 67%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.11	ND	mg/Kg	C
7440-39-3	Barium	0.47	21.4	mg/Kg	
7440-41-7	Beryllium	0.27	ND	mg/Kg	U
7440-43-9	Cadmium	0.38	25.9	mg/Kg	
7440-47-3	Chromium	0.29	16.9	mg/Kg	
7440-50-8	Copper	1.23	293	mg/Kg	
7439-92-1	Lead	0.56	72.9	mg/Kg	
7440-02-0	Nickel	1.56	5.23	mg/Kg	
7440-22-4	Silver	0.42	4.76	mg/Kg	

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-4

Client Sample ID: TD-1 Collected: 5/12/2011 13:02

Matrix: Soil Type: Grab % Solid: 73.9%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.00	ND	mg/Kg	U
7440-39-3	Barium	0.42	162	mg/Kg	
7440-41-7	Beryllium	0.25	ND	mg/Kg	U
7440-43-9	Cadmium	0.34	2.69	mg/Kg	
7440-47-3	Chromium	0.26	18.1	mg/Kg	
7440-50-8	Copper	1.10	56.5	mg/Kg	
7439-92-1	Lead	0.50	124	mg/Kg	
7440-02-0	Nickel	1.41	11.1	mg/Kg	
7440-22-4	Silver	0.38	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis



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#### **Environmental Quality Services, Inc.** Page G-339

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### SCDOH Metals SW846 6010/EPA 200.7

Sample: 1105181-5

Client Sample ID: MH-2 Collected: 5/12/2011 12:31

Matrix: Soil Type: Grab % Solid: 71.2%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.03	ND	mg/Kg	U
7440-39-3	Barium	0.44	9.91	mg/Kg	
7440-41-7	Beryllium	0.25	ND	mg/Kg	U
7440-43-9	Cadmium	0.35	ND	mg/Kg	U
7440-47-3	Chromium	0.27	6.87	mg/Kg	
7440-50-8	Copper	1.14	16.1	mg/Kg	
7439-92-1	Lead	0.52	30.3	mg/Kg	
7440-02-0	Nickel	1.45	3.24	mg/Kg	
7440-22-4	Silver	0.39	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-6

Collected: 5/12/2011 12:35 Client Sample ID: CB-9

Matrix: Soil Type: Grab % Solid: 69.2%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.08	ND	mg/Kg	U
7440-39-3	Barium	0.46	74.3	mg/Kg	
7440-41-7	Beryllium	0.27	ND	mg/Kg	U
7440-43-9	Cadmium	0.37	1.36	mg/Kg	
7440-47-3	Chromium	0.28	15.9	mg/Kg	
7440-50-8	Copper	1.19	190	mg/Kg	
7439-92-1	Lead	0.55	177	mg/Kg	
7440-02-0	Nickel	1.52	24.3	mg/Kg	
7440-22-4	Silver	0.41	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis



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#### **Environmental Quality Services, Inc.** Page G-340

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### SCDOH Metals SW846 6010/EPA 200.7

Sample: 1105181-7

Client Sample ID: CB-18 Collected: 5/12/2011 13:28

Matrix: Soil Type: Grab % Solid: 68.2%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.05	ND	mg/Kg	U
7440-39-3	Barium	0.45	25.1	mg/Kg	
7440-41-7	Beryllium	0.26	ND	mg/Kg	U
7440-43-9	Cadmium	0.36	1.78	mg/Kg	
7440-47-3	Chromium	0.27	25.5	mg/Kg	
7440-50-8	Copper	1.17	68.5	mg/Kg	
7439-92-1	Lead	0.53	71.0	mg/Kg	
7440-02-0	Nickel	1.49	9.15	mg/Kg	
7440-22-4	Silver	0.40	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-8

Collected: 5/12/2011 12:48 Client Sample ID: SD-1

Matrix: Soil Type: Grab % Solid: 70%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.05	ND	mg/Kg	U
7440-39-3	Barium	0.45	15.3	mg/Kg	
7440-41-7	Beryllium	0.26	ND	mg/Kg	U
7440-43-9	Cadmium	0.36	ND	mg/Kg	U
7440-47-3	Chromium	0.27	12.2	mg/Kg	
7440-50-8	Copper	1.17	22.7	mg/Kg	
7439-92-1	Lead	0.53	24.8	mg/Kg	
7440-02-0	Nickel	1.48	5.60	mg/Kg	
7440-22-4	Silver	0.40	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis



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#### **Environmental Quality Services, Inc.** Page G-341

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### SCDOH Metals SW846 6010/EPA 200.7

Sample: 1105181-9

Client Sample ID: SD-8 Collected: 5/12/2011 12:57

Matrix: Soil Type: Grab % Solid: 72.2%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.02	ND	mg/Kg	C
7440-39-3	Barium	0.43	12.5	mg/Kg	
7440-41-7	Beryllium	0.25	ND	mg/Kg	U
7440-43-9	Cadmium	0.35	ND	mg/Kg	U
7440-47-3	Chromium	0.26	10.5	mg/Kg	
7440-50-8	Copper	1.13	35.1	mg/Kg	
7439-92-1	Lead	0.52	17.2	mg/Kg	
7440-02-0	Nickel	1.44	5.66	mg/Kg	
7440-22-4	Silver	0.39	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-10

Collected: 5/12/2011 14:05 Client Sample ID: SD-10

Matrix: Soil Type: Grab % Solid: 67.8%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.07	ND	mg/Kg	U
7440-39-3	Barium	0.45	11.2	mg/Kg	
7440-41-7	Beryllium	0.26	ND	mg/Kg	U
7440-43-9	Cadmium	0.37	0.78	mg/Kg	
7440-47-3	Chromium	0.28	8.94	mg/Kg	
7440-50-8	Copper	1.19	29.2	mg/Kg	
7439-92-1	Lead	0.54	22.1	mg/Kg	
7440-02-0	Nickel	1.51	6.23	mg/Kg	
7440-22-4	Silver	0.41	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis



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**Environmental Quality Services, Inc.** Page G-342

208 Route 109 Suite 101, Farmingdale NY 11735 Phone - 631-249-1456 Fax - 631-249-8344

5/20/2011

#### SCDOH Metals SW846 6010/EPA 200.7

Sample: 1105181-11

Client Sample ID: SD-13 Collected: 5/12/2011 13:40

Matrix: Soil Type: Grab % Solid: 61.5%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

#### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.19	ND	mg/Kg	C
7440-39-3	Barium	0.51	8.29	mg/Kg	
7440-41-7	Beryllium	0.29	ND	mg/Kg	U
7440-43-9	Cadmium	0.41	0.67	mg/Kg	
7440-47-3	Chromium	0.31	8.06	mg/Kg	
7440-50-8	Copper	1.33	41.0	mg/Kg	
7439-92-1	Lead	0.61	21.6	mg/Kg	
7440-02-0	Nickel	1.68	6.99	mg/Kg	
7440-22-4	Silver	0.46	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-12

Collected: 5/12/2011 13:51 Client Sample ID: SD-14

Matrix: Soil Type: Grab % Solid: 76.5%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	0.95	ND	mg/Kg	U
7440-39-3	Barium	0.40	9.07	mg/Kg	
7440-41-7	Beryllium	0.23	ND	mg/Kg	U
7440-43-9	Cadmium	0.33	ND	mg/Kg	U
7440-47-3	Chromium	0.25	6.26	mg/Kg	
7440-50-8	Copper	1.06	35.3	mg/Kg	
7439-92-1	Lead	0.48	17.2	mg/Kg	
7440-02-0	Nickel	1.34	3.34	mg/Kg	
7440-22-4	Silver	0.37	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis



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5/20/2011

#### SCDOH Metals SW846 6010/EPA 200.7

Sample: 1105181-13

Client Sample ID: SD-15 Collected: 5/12/2011 13:56

Matrix: Soil Type: Grab % Solid: 71.3%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

# **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.06	ND	mg/Kg	U
7440-39-3	Barium	0.45	6.82	mg/Kg	
7440-41-7	Beryllium	0.26	ND	mg/Kg	U
7440-43-9	Cadmium	0.36	ND	mg/Kg	U
7440-47-3	Chromium	0.27	28.7	mg/Kg	
7440-50-8	Copper	1.17	11.9	mg/Kg	
7439-92-1	Lead	0.53	16.4	mg/Kg	
7440-02-0	Nickel	1.49	4.16	mg/Kg	
7440-22-4	Silver	0.40	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis

Sample: 1105181-14

Collected: 5/12/2011 13:22 Client Sample ID: SD-19

Matrix: Soil Type: Grab % Solid: 46.9%

Remarks:

Analyzed Date: 5/16/2011 Preparation Date(s): 5/13/2011

### **Analytical Results**

Cas No	Analyte	MDL	Result*	Units	Q
7440-38-2	Arsenic	1.59	17.2	mg/Kg	
7440-39-3	Barium	0.67	42.1	mg/Kg	
7440-41-7	Beryllium	0.39	ND	mg/Kg	U
7440-43-9	Cadmium	0.54	ND	mg/Kg	U
7440-47-3	Chromium	0.41	12.6	mg/Kg	
7440-50-8	Copper	1.76	79.0	mg/Kg	
7439-92-1	Lead	0.81	18.3	mg/Kg	
7440-02-0	Nickel	2.24	6.85	mg/Kg	
7440-22-4	Silver	0.61	ND	mg/Kg	U

<sup>\*</sup> Results are reported on a dry weight basis



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5/20/2011

#### **ORGANIC METHOD QUALIFIERS**

- Q Qualifier specified entries and their meanings are as follows:
  - U The analytical result is not detected above the Method Detection Limit (MDL). All MDL's are lower than the lowest calibration standard concentration.
  - J Indicates an estimated value. The concentration reported was between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
  - B The analyte was found in the associated method blank as well as the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action.
  - E The concentration of the analyte exceeded the calibration range of the instrument.
  - D This flag indicates a system monitoring compound diluted out.

#### **INORGANIC METHOD QUALIFIERS**

- C (Concentration) qualifiers are as follows:
  - B Entered if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Method Detection Limit (MDL).
  - U Entered when the analyte was analyzed for, but not detected above the Method Detection Limit (MDL) which is less than the lowest calibration standard concentration.
- Q Qualifier specific entries and their meanings are as follows:
  - E Reported value is estimated because of the presence of interferences.
- M (Method) qualifiers are as follows:
  - AS Semi-automated Spectrophotometric
  - AV Automated Cold Vapor AA
  - C Manual Spectrophotometric
  - P ICP
  - T Titrimetric

#### **OTHER QUALIFIERS**

ND - Not Detected



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7/5/2011

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Laboratory Identifier: 1106444

Received: 6/28/2011 16:50 Sampled by: Nicc Thomas

Client: PW Grosser Consulting Engineers PC

630 Johnson Avenue - Suite 7 Bohemia, NY 11716-2618

Project: GCA1101

1 Flowerfield #24 St James, NY

Manager: Thomas Melia

Respectfully submitted,

Juan R.Cuba - Technical Director

NYS Lab ID # 10969 NJ Cert. # 73812 CT Cert. # PH0645 PA Cert. #002

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